

**Professionals Trust
Pomona Performance**

**Test and Measurement • Telecom
Calibration • RF • Automotive
Audio/Video/Broadcast**

For over 60 years the name Pomona Electronics has been synonymous with reliability and outstanding value.

We are proud to have built our reputation for the delivery of quality products by using only the finest materials available and designing to match real world applications...where you live—everyday. Pomona Electronics is proud to be there, at your side.

Pomona's quality connectors and test accessories are the one answer you need when a reliable signal is demanded.

For Distributor Locations:

United States and International
www.pomonaelectronics.com

Europe

www.pomona.cc

Technical Support

U.S.

technicalsupport@pomonatest.com

Europe

+31(0) 40 2675 150

Rest of World

1-425-446-5500

RoHS

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For electronics engineers and technicians who need to get an electronic signal reliably from one device to another, Pomona provides a breadth of high-quality, accurate connectors, adapters, and cables. Pomona offers a broad array of precision products to meet the entire spectrum of electronics applications.

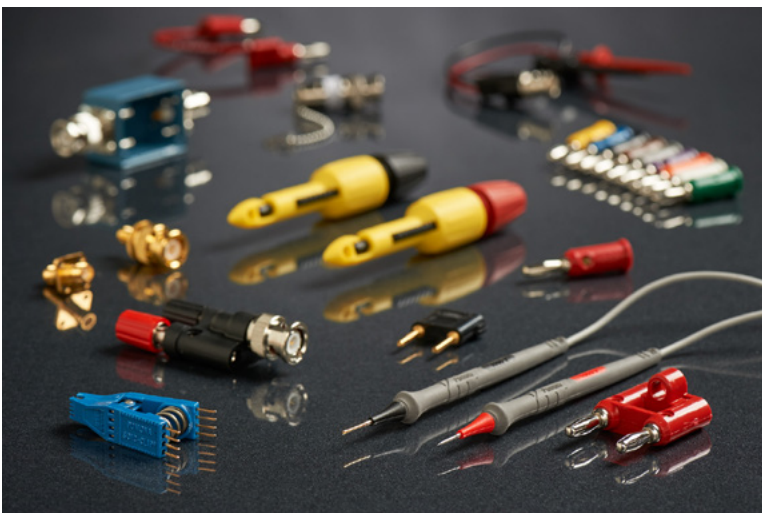
Pomona Electronics

The engineers' choice for cables, connectors, and adapters

Since 1951, Pomona Electronics has been the go-to supplier for bench engineers and technicians, field technicians, and product designers who need reliable cables, connectors, and adapters for everything from the latest electronics to legacy devices. The company's innovative design and high-quality manufacturing provide engineers and technicians with tools that keep pace with constantly changing technologies and comply with both CSA and IEC61010 safety standards.

Pomona has a broad line of connection and test accessories for applications ranging from engineering research to test labs, field service, and plant maintenance. Pomona test accessories includes banana plugs and jacks, coaxial cable assemblies, patch cords, oscilloscope probes, DMM test lead kits and accessories, IC test clips, aluminum boxes, RF connectors, XLR connectors, and RF cable assembly products.

From tiny probes to cutting-edge voice-activated automotive systems and micro grabber test clips to verify sound systems that support the biggest names in music, Pomona Electronics has connectors and cable assemblies for the entire spectrum of electronics application. That's why Pomona is the choice of engineers and technicians for reliable, state-of-the-art products that make their jobs easier.



New Products

Pomona is continually developing new products to meet the rapidly expanding needs of the market. New products introduced includes a new test lead set, a line of do-it-yourself banana plugs, top-loading binding posts, and alligator clips.

7519A TwistGuard™ Test Lead Set

Twist and Test for Measurement Versatility and Increased Safety

New

The Pomona Electronics 7519A TwistGuard™ Test Lead Set features an adjustable probe tip shroud for use in different measurement environments. The patented design offers the versatility and quality needed to instantly change the test leads from a CAT II rated probe to a CAT III/IV rated probe, allowing users to meet the latest electrical safety standards.

Shown on page 67



Introducing New Pomona Do-It-Yourself 4mm banana plugs

New

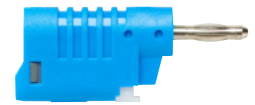
Designed for quick and convenient wire attachment. These banana plugs feature spring-loaded push-button tabs for easy cable assembly or test lead repair. They are great in low voltage applications where prototyping and quick wire attachments are important. Available in a variety of 4mm banana plug styles that include unshrouded, stackable, fixed shroud, and retractable shroud.

All shown on page 35

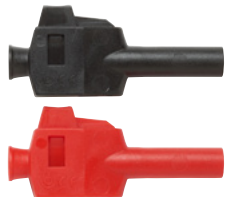
73090 DIY 4mm Banana Plug for Quick Wire Attachment



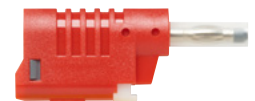
73091 DIY Sheathed 4mm Banana Plug for Quick Wire Attachment



73092 DIY Stackable 4mm Banana Plug for Quick Wire Attachment



73093 DIY Retractable Sheath 4mm Banana Plug for Quick Wire Attachment, Stackable



Also available are newly designed alligator clips that are fully insulated with flexible boots and are rated up to CAT II 1000V, 10A. These new alligator clips adapt to either 4mm sheathed banana plug test leads or most of Pomona's 2mm probe tips for test versatility.

5916B Medium Alligator Clip Set for DMM Test Leads

New



6264B Alligator Clip Adapter for 2mm Probe Tips



New

Shown on page 69

Shown on page 69

73094 Top Loading Binding Posts for Quick Wire Attachment

New

Secure wires quickly. Accepts up to 15 AWG wire gauge. Great for any applications where a standard 5-way or spring loaded binding post are used.

Shown on page 35



Binding Post with 4mm Safety Jack and Quick Wire Connection

Model 73095

(available in black and red)

- Insulated 4mm safety jack for sheathed plugs
- Spring-loaded for quick wire connection through the cross hole
- Ideal for panel mounting
- CAT II 600V, 32A



Right-Angle 4mm Mounting Safety Jack for PCB

Model 73099

(available in black and red)

- Right-angle configuration minimizes force required to plug in test leads
- Ideal for mounting on PCB
- Insulated 4mm safety jack for sheathed plugs
- CAT III 1000V/CAT IV 600V, 24A



4mm Mounting Safety Jack for Sheathed Banana Plugs

Model 73098

(available in black, red and blue)

- Insulated 4mm safety jack for sheathed plugs
- Ideal for panel mounting
- CAT II 1000V, 32A



4mm Safety Jack for PCB

Model 73096

(available in black and red)

- Ideal for mounting on vertical PCB
- Insulated 4mm safety jack for sheathed plugs
- CAT III 1000V/CAT IV 600V, 24A



Panel Mount Double 4mm Banana Jack

Model 73101-0

- Insulated 4mm Double Banana Jack
- Ideal for screw-mounting onto pre-drilled panels
- 30 Vac/60 Vdc, 25A



BNC (M) Breakout to Flying Leads

Model 73105

- Insulated BNC male connector
- 25cm length flying leads for custom configurations
- 30 Vac/60 Vdc, 3A



Right-Angle Magnetic Probe, 6.6mm dia.

Model 73106

(available in black, red and blue)

- Ideal for temporary connections to terminal blocks with metal screws
- Quick connect and disconnect with magnetic probe head
- Insulated 4mm safety jack for sheathed banana plugs
- CAT III 1000V/CAT IV 600V, 4A



Maxigrabber, Reinforced Insulation

Model 73103

(available in black and red)

- Designed for connections to high current conductors
- Reinforced insulated hook clip for increased safety
- 12mm opening
- CAT II/CAT III/CAT IV 1000V Rated, 20A



DIY Insulated BNC Connector, 50Ω

Model 73104

(available in black, red and blue)

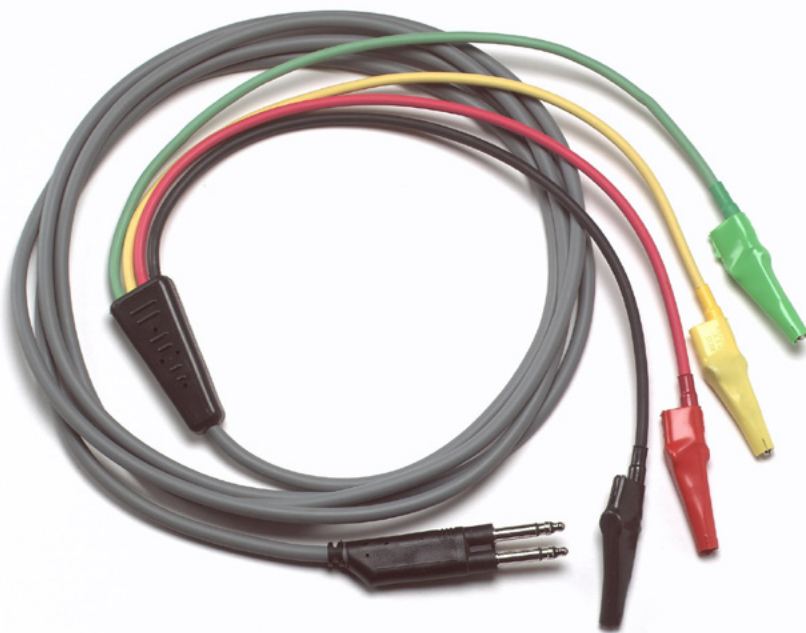
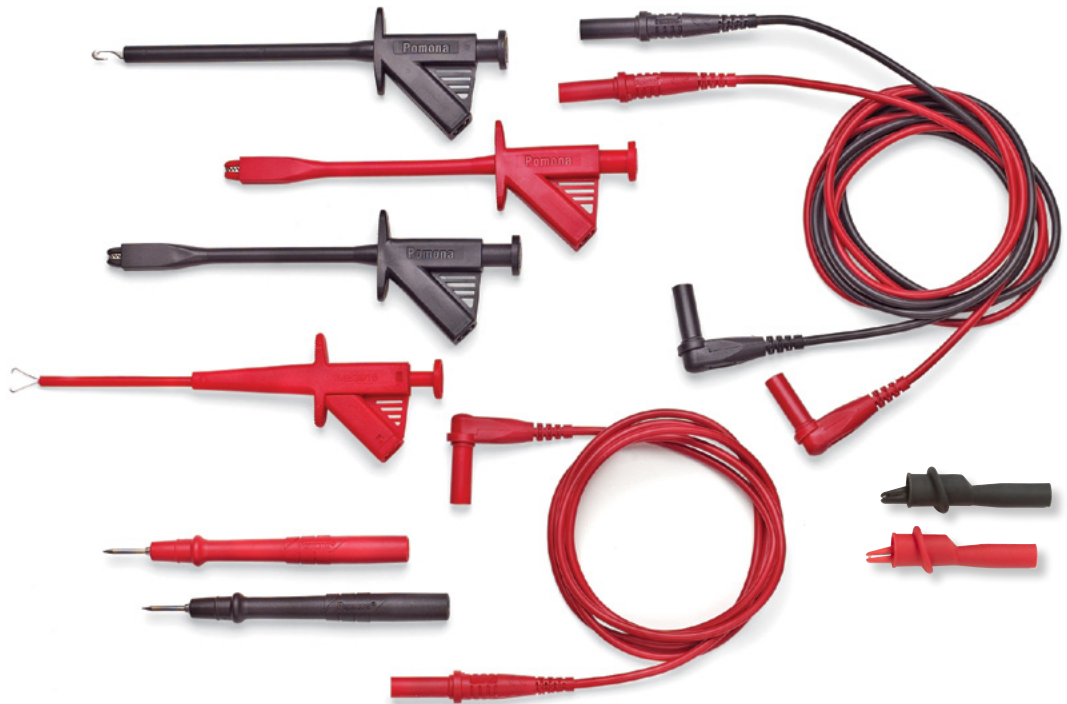
- Designed for increased electrical protection
- Rated to CAT II 1000V/ CAT III 600V
- 50Ω Impedance



Customized Products

Pomona responds to a wide range of special or custom requirements by providing accessories tailored to your needs. Whether we simply modify an existing catalog product or create a unique combination of products, we use only the finest materials to deliver top quality products.

Think of the possibilities!
You can now define your own custom product or kit made of many combinations of cables, wires, connectors, or probes in this catalog. Can't find the length or color you need? Pomona makes it easy. Want a unique combination of connectors and cables you just can't find anywhere? Just ask Pomona!



Combinations of coaxial connector/ adapter assemblies can include strain-relief sheathing, marking and lengths.

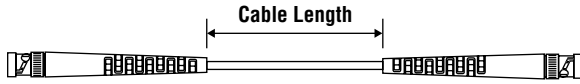
To order your Pomona Product, please select **[Custom Products]** and fill out the request form on our Pomona Electronics website.

Coaxial Cable Assemblies and Breakouts

Pomona is the professional's choice, whether in the lab, plant or in the field. Using high-quality materials such as beryllium copper, gold and nickel plating ensures the precision you rely on. With a huge selection of cables and breakouts offering almost every connector and clip combination, Pomona provides you the solution for any application.

How to Order

Example: A 48in (1.2m) coaxial cable assembly with matching BNC (m) ends, stress relief boots on RG58 C/U, 50 cable.



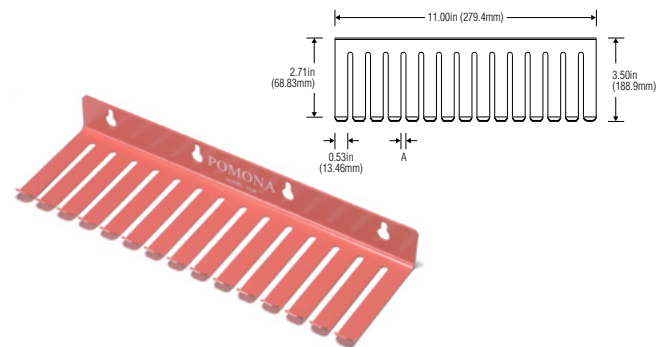
Typical Pomona Part Number: 2249-C-48

Cable Type _____
Cable Length in Inches (Measured Inside Connectors) _____

| Model# | Length |
|-----------|---------------|
| 2249-C-12 | 12.0in (0.3m) |
| 2249-C-24 | 24.0in (0.6m) |
| 2249-C-36 | 36.0in (0.9m) |
| 2249-C-48 | 48.0in (1.2m) |
| 2249-C-60 | 60.0in (1.5m) |

Cable Assembly Holders

| Model# | Color | "A" Max Cable Dia. | Number of Slots |
|--------|--------|--------------------|-----------------|
| 1508 | Orange | 0.210in (5.33mm) | 14 |
| 4408 | Black | 0.320in (8.13mm) | 10 |
| 2708 | Blue | 0.450in (11.43mm) | 9 |



Technical Specifications for Wire and Cable

| Cable Designation | Type | Impedance Ω | Capacitance per 1ft/ 0.304m | Insulation/Dielectric | AWG | Stranding Strands X AWG | Wire Type | Jacket Material | Cable O.D. | Shield | Temperature (w/o connectors) |
|-------------------|-----------------------------------|--------------------|-----------------------------|-----------------------|-----|-------------------------|-----------|-----------------|------------------|------------|------------------------------|
| A | twisted pair, 2 conductor | NA | 27.0 pf | PVC | 18 | 65X36 | TC | PVC | 0.25in (6.35mm) | NA | -4 to 221°F (-20 to +105°C) |
| C | Coax, RG58C/U | 50 | 32.2 pf | PE | 20 | 19X33 | TC | PVCNC | 0.195in (4.95mm) | TCB | -40 to 185°F (-40 to +85°C) |
| E | Coax, RG59B/U | 75 | 22.0 pf | PE | 23 | Solid | BCCS | PVCNC | 0.242in (6.15mm) | BCB | -40 to 140°F (-40 to +60°C) |
| J | Microphone, 2 conductor, shielded | 90 | 18 / 32 pf* | PE | 22 | 16X34 | TC | PVC | 0.231in (5.84mm) | TCB | -40 to 176°F (-40 to +80°C) |
| K | Coax, RG174/U | 50 | 30.8 pf | PE | 26 | 7X34 | BCCS | PVC | 0.110in (2.79mm) | TCB | -40 to 167°F (-40 to +75°C) |
| T | Coax, RG214/U | 50 | 30.8 pf | PE | 13 | 7X22 | SPC | PVCNC | 0.425in (10.8mm) | SCCB/SCCB | -40 to 176°F (-40 to +80°C) |
| X | Coax, RG142B/U | 50 | 29.0 pf | TFE | 18 | Solid | SPCCS | FEP | 0.195in (4.05mm) | SPC/SPC | -94 to 392°F (-70 to +200°C) |
| Y | Coax, RG223/U | 50 | 30.8 pf | PE | 19 | Solid | SPC | PVCNC | 0.212in (5.38mm) | SCB/SCB | -40 to 140°F (-40 to +60°C) |
| BB | Coax, RG316/U | 50 | 29.0 pf | TFE | 26 | 7X37 | SPCCS | FEP | 0.096in (2.44mm) | SPC | -94 to 392°F (-70 to +200°C) |
| SS | Coax, RG58/U, low noise | 50 | 37.0 pf | CPE/PE | 22 | 7X30 | TC | PVC | 0.195in (4.95mm) | BAF/TCB | -40 to 176°F (-40 to +80°C) |
| UU | Coax, RG178B/U | 50 | 29.0 pf | PTFE | 16 | 7X.1 | SPCCS | FEP | 0.071in (1.8mm) | SPC | -67 to 311°F (-55 to +155°C) |
| V | Coax, RG59/U | 75 | 20.4 pf | PE | 23 | Solid | BCCS | PVC | 0.242in (6.15mm) | BCB | -40 to 176°F (-40 to +80°C) |
| VV | Coax, RG179B/U | 75 | 19.5 pf | PTFE | 12 | 7X.1 | SPCCS | FEP | 0.100in (2.54mm) | SPC | -67 to 311°F (-55 to +155°C) |
| Triaxial | Coax, RG 58A/U, double shielded | 50 | 30.8 pf | PE/PE | 20 | 7X28 | TC | PVC | 0.240in (6.10mm) | TCB/TCB-40 | to 167°F (-40 to +75°C) |

* Capacitance between conductors / Capacitance between conductor and shield

AWG = American Wire Gauge
BAF = Bonded Aluminum Foil Polyester Tape
BCB = Bare Copper Braid
BCCS = Bare Copper Covered Steel
CPE = Conductive Polyethylene

FEP = Fluorinated Ethylene Propylene
OD = Outside Diameter
NA = Not Applicable
PE = Polyethylene
PVC = Polyvinyl Chloride

PVCNC = Polyvinyl Chloride Non Contaminating
SCB = Silver Coated Braid
SPC = Silver Plated Copper
SCCB = Silver Coated Copper Braid

SPCCS = Silver Plated Copper Covered Steel
SSPE = Semi-Solid Polyethylene
TC = Tinned Copper
TCB = Tinned Copper Braid
TFE = Tetrafluoroethylene

Ratings: The components in this section have a hands free rating for use in controlled voltage environments. However, for CE compliance these products are not intended for hand held use at voltages above 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

BNC Male Cable with Molded Strain Relief



| Length | 50Ω Cable O.D. .195in (4.95mm) RG58C/U | 50Ω Cable O.D. .206in (5.23mm) RG223 | 75Ω Cable O.D. .242in (6.15mm) RG59B/U | 50Ω Cable O.D. .100in (2.54mm) RG174/U | 50Ω Cable O.D. .195in (4.95mm) RG58C/U |
|--------------|--|--------------------------------------|--|--|--|
| .5ft (0.2m) | 2249-C-6 | – | 2249-E-6 | 2249-K-6 | – |
| 1ft (0.3m) | 2249-C-12 | 2249-Y-12 | 2249-E-12 | 2249-K-12 | – |
| 2ft (0.6m) | 2249-C-24 | 2249-Y-24 | 2249-E-24 | 2249-K-24 | – |
| 3ft (0.9m) | 2249-C-36 | 2249-Y-36 | 2249-E-36 | 2249-K-36 | – |
| 4ft (1.2m) | 2249-C-48 | 2249-Y-48 | 2249-E-48 | 2249-K-48 | – |
| 5ft (1.5m) | 2249-C-60 | 2249-Y-60 | 2249-E-60 | 2249-K-60 | 5266-C-60 |
| 6ft (1.8m) | 2249-C-72 | 2249-Y-72 | 2249-E-72 | 2249-K-72 | – |
| 8ft (2.4m) | 2249-C-96 | 2249-Y-96 | – | 2249-K-96 | – |
| 10ft (3.0m) | 2249-C-120 | 2249-Y-120 | 2249-E-120 | 2249-K-120 | – |
| 12ft (3.7m) | 2249-C-144 | 2249-Y-144 | 2249-E-144 | – | – |
| 15ft (4.6m) | 2249-C-180 | 2249-Y-180 | 2249-E-180 | 2249-K-180 | – |
| 20ft (6.1m) | 2249-C-240 | 2249-Y-240 | 2249-E-240 | 2249-K-240 | – |
| 25ft (7.6m) | 2249-C-300 | – | 2249-E-300 | 2249-K-300 | – |
| 30ft (9.1m) | 2249-C-360 | – | 2249-E-360 | – | – |
| 50ft (15.2m) | 2249-C-600 | – | 2249-E-600 | – | – |

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max., (“Y” Cable 176°F (+80°C).)

BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

Strain Relief: PVC molded directly to cable and connectors.
See chart on page 7 for additional wire and cable specifications.

Model 2249-C is Pomona Electronics’ most popular cable. The 50Ω RG58C/U cable makes it ideal for most test and measurement applications.

Model 2249-Y is a 50Ω RG223/U cable with double shield. Use when additional shielding is required.

Model 2249-E RG59B/U is a 75Ω cable, making it the right choice for use with TV, video and LAN applications.

Model 2249-K RG174/U offers superior flexibility in a 50Ω cable.

Model 5266-C is the same high quality construction as Model 2249-C with a connector on **(one end only)**.

BNC Male Low-Noise Cable



| Model# | Length |
|-------------|--------------|
| 4964-SS-12 | 12in (0.3m) |
| 4964-SS-24 | 24in (0.6m) |
| 4964-SS-36 | 36in (0.9m) |
| 4964-SS-48 | 48in (1.2m) |
| 4964-SS-60 | 60in (1.5m) |
| 4964-SS-72 | 72in (1.8m) |
| 4964-SS-120 | 120in (3.0m) |
| 4964-SS-240 | 240in (6.1m) |

Model 4964-SS uses a special low-triboelectric cable which has noise attenuating layers surrounding the center conductor. The cable is ideal for low power, low frequency measurements.

Recommended Frequency Range: DC to 10KHz.

BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

Strain Relief: PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

BNC Male True 75Ω High Flex Cable



| Model# | Length |
|-------------|-------------|
| 6510-V-12-0 | 12in (0.3m) |
| 6510-V-24-0 | 24in (0.6m) |
| 6510-V-36-0 | 36in (0.9m) |
| 6510-V-48-0 | 48in (1.2m) |
| 6510-V-60-0 | 60in (1.5m) |
| 6510-V-72-0 | 72in (1.8m) |

Model 6510-V uses a true 75Ω connector for superior VSWR and low return loss up to 3 GHz. The highly flexible RG59/U type cable has a gas injected foam polyethylene dielectric with PVC jacket for low loss and superior shield coverage. Highly flexible cable and molded strain relief prevent excessive bending or kinking. An ideal product for HDTV and digital video as well as test and measurement.

Rating: Maximum voltage for *hands free use*: 500 Vrms*.

BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

Strain Relief: PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

IEC Insulated BNC Male 50Ω Cable

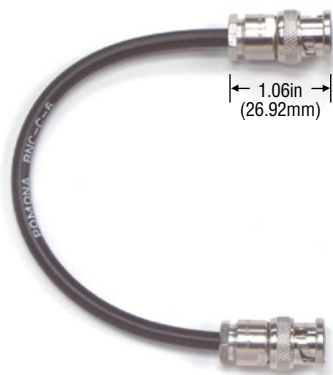


| Model# | Length |
|------------|--------------|
| 72926-C-40 | 40in (100cm) |
| 72926-C-80 | 80in (200cm) |

Rating: 500V CAT I, 150V CAT II, 3A.
Color: Black.

Coaxial Cable Assemblies and Breakouts

BNC Male 50Ω Cable: Field Servicable Connector



| Model# | Length |
|----------|-------------|
| BNC-C-18 | 18in (0.5m) |
| BNC-C-24 | 24in (0.6m) |
| BNC-C-36 | 36in (0.9m) |
| BNC-C-48 | 48in (1.2m) |
| BNC-C-60 | 60in (1.5m) |
| BNC-C-72 | 72in (1.8m) |

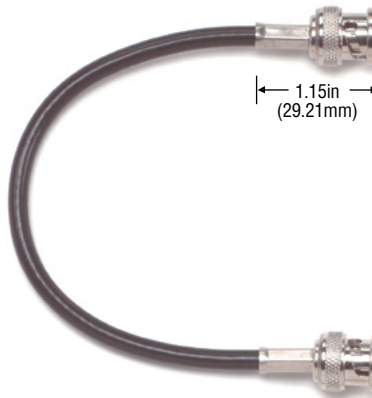
Clamp nut and silicone gasket seal out moisture. Gold-plated center contact and Teflon® insulation assure premium performance.

Rating: Maximum voltage for *hands free use*: 500 Vrms*.

BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass contact soldered to cable; *Dielectric*: PTFE.

See chart on page 7 for additional wire and cable specifications.

BNC Male 50Ω Cable



| Model# | Length |
|----------|--------------|
| 5697-6 | 6in (0.2m) |
| 5697-12 | 12in (0.3m) |
| 5697-24 | 24in (0.6m) |
| 5697-36 | 36in (0.9m) |
| 5697-48 | 48in (1.2m) |
| 5697-60 | 60in (1.5m) |
| 5697-72 | 72in (1.8m) |
| 5697-120 | 120in (3.0m) |
| 5697-180 | 180in (4.6m) |
| 5697-240 | 240in (6.1m) |

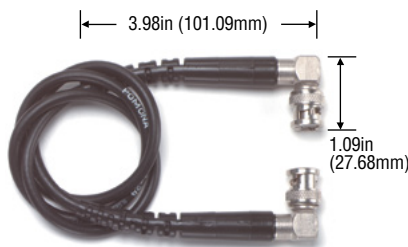
Rating: Maximum voltage for *hands free use*: 500 Vrms*.

Cable Type: 50Ω, RG58 type 0.19in (4.95mm) O.D.

BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass contact crimped to cable; *Dielectric*: PTFE.

See chart on page 7 for additional wire and cable specifications.

BNC Male Right Angle Connector Cable with Molded Strain Relief



| Model# | Length |
|-----------|-------------|
| 4276-C-12 | 12in (0.3m) |
| 4276-C-24 | 24in (0.6m) |
| 4276-C-36 | 36in (0.9m) |

Rating: Maximum voltage for *hands free use*: 500 Vrms*.

BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

Strain Relief: PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

SMA Male 50Ω Cable



| RG 316/U | Length |
|------------|-------------|
| 4846-BB-24 | 24in (0.6m) |
| 4846-BB-48 | 48in (1.2m) |
| 4846-BB-60 | 60in (1.5m) |

| RG 142B/U | Length |
|-----------|-------------|
| 4846-X-24 | 24in (0.6m) |
| 4846-X-48 | 48in (1.2m) |
| 4846-X-60 | 60in (1.5m) |

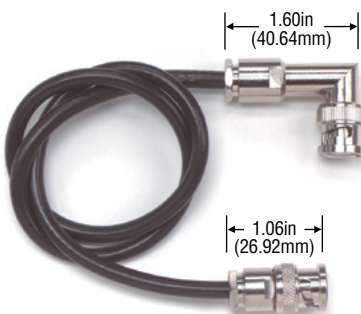
| RG 58C/U | Length |
|-----------|-------------|
| 4846-C-12 | 12in (0.3m) |
| 4846-C-24 | 24in (0.6m) |
| 4846-C-36 | 36in (0.9m) |
| 4846-C-48 | 48in (1.2m) |
| 4846-C-60 | 60in (1.5m) |

| RG 178B/U | Length |
|------------|-------------|
| 4846-UU-12 | 12in (0.3m) |
| 4846-UU-24 | 24in (0.6m) |
| 4846-UU-36 | 36in (0.9m) |
| 4846-UU-48 | 48in (1.2m) |
| 4846-UU-60 | 60in (1.5m) |

SMA: *Body/Fittings*: passivated stainless steel or gold-plated brass; *Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 7 for additional wire and cable specifications.

BNC Male to BNC Male Right Angle 50Ω Cable

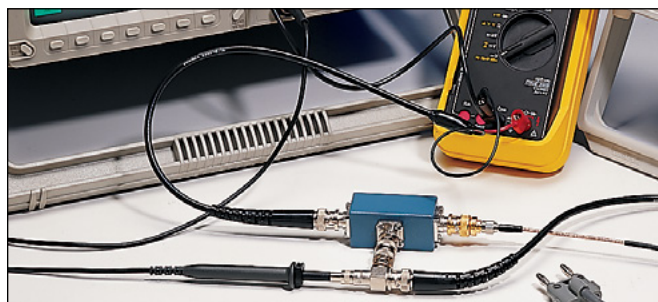
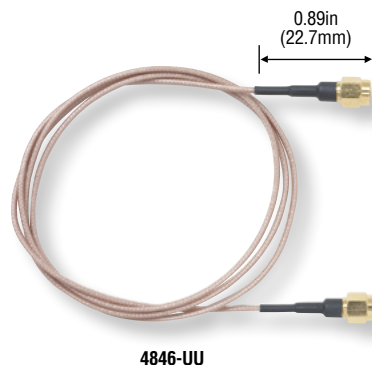


| Model# | Length |
|-----------|-------------|
| 1383-C-24 | 24in (0.6m) |
| 1383-C-60 | 60in (1.5m) |

Rating: Maximum voltage for *hands free use*: 500 Vrms*.

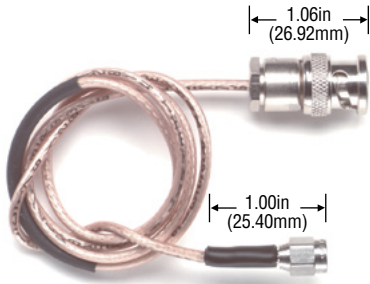
BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 7 for additional wire and cable specifications.



*see rating message at start of section.

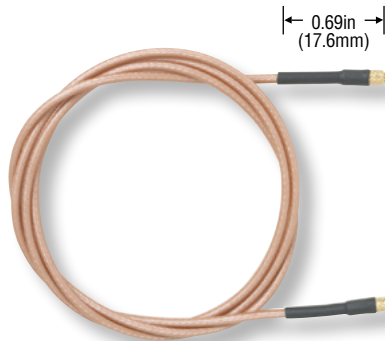
BNC Male to SMA Male 50Ω Teflon Insulated Cable



| RG 316/U | Length |
|------------|-------------|
| 4935-BB-24 | 24in (0.6m) |
| 4935-BB-48 | 48in (1.2m) |
| 4935-BB-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 335 Vrms*.
SMA: Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

MMCX Male 50Ω Cable



73063-BB

| RG 316/U | Length |
|-------------|-------------|
| 73063-BB-6 | 6in (0.15m) |
| 73063-BB-24 | 24in (0.6m) |
| 73063-BB-36 | 36in (0.9m) |
| RG 178B/U | Length |
| 73077-UU-12 | 12in (1.5m) |
| 73077-UU-24 | 24in (1.8m) |
| 73077-UU-36 | 36in (2.4m) |
| 73077-UU-48 | 48in (2.4m) |

Rating: Maximum voltage for hands free use: 500 V.
MMCX: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

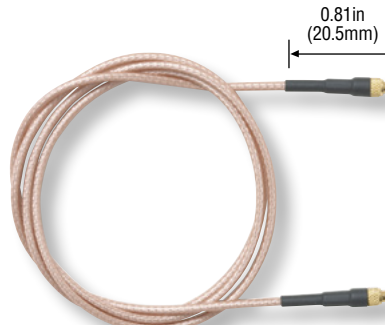
SMA Male to SMA Female



| RG 142B/U | Length |
|-----------|-------------|
| 4528-X-24 | 24in (0.6m) |
| 4528-X-48 | 48in (1.2m) |

SMA: Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.
SMA (F): gold-plated, beryllium copper center contact; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

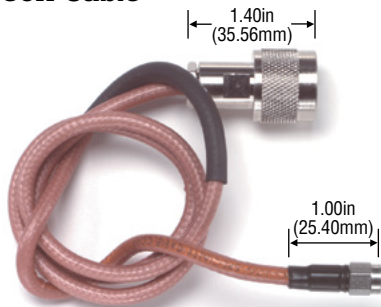
MCX Male 75Ω Cable



| RG 179B/U | Length |
|-------------|-------------|
| 73075-VV-12 | 12in (0.3m) |
| 73075-VV-24 | 24in (0.6m) |
| 73075-VV-36 | 36in (0.9m) |
| 73075-VV-48 | 48in (1.2m) |

Rating: Maximum voltage for hands free use: 750V.
MCX: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

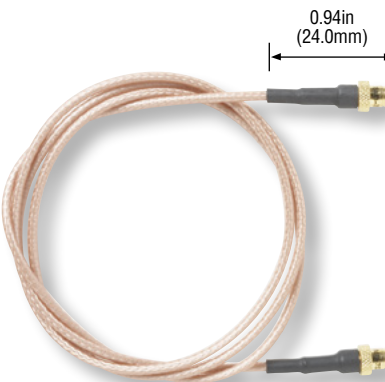
SMA Male to Type 'N' Male 50Ω Cable



| Model# | Length |
|-----------|-------------|
| 5058-X-36 | 36in (0.9m) |
| 5058-X-48 | 48in (1.2m) |
| 5058-X-60 | 60in (1.5m) |

SMA: Body/Fittings: passivated stainless steel; Contact: gold-plated brass; Dielectric: PTFE.
Type 'N': Body: white bronze-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

SMB Jack 75Ω Cable



| RG 179B/U | Length |
|-------------|-------------|
| 73072-VV-12 | 12in (0.3m) |
| 73072-VV-24 | 24in (0.6m) |
| 73072-VV-36 | 36in (0.9m) |
| 73072-VV-48 | 48in (1.2m) |
| 73072-VV-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 750V.
SMB: Body/Fittings: gold-plated brass; Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

Type 'N' Male 50Ω Cable

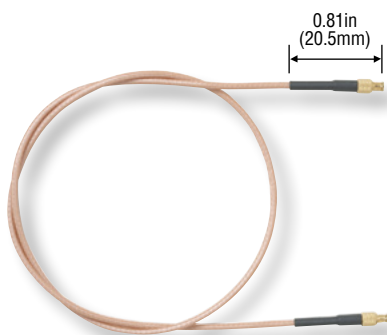


| Model# | Length |
|-----------|-------------|
| 1658-T-18 | 18in (0.5m) |
| 1658-T-24 | 24in (0.6m) |
| 1658-T-36 | 36in (0.9m) |
| 1658-T-48 | 48in (1.2m) |
| 1658-T-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 1,000 Vrms*.
Type 'N': Body: white bronze-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

Coaxial Cable Assemblies and Breakouts

MCX Male 50Ω Cable



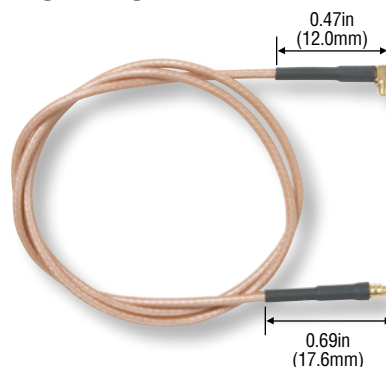
73067-BB

| RG 316/U | Length |
|-------------|-------------|
| 73067-BB-6 | 6in (0.15m) |
| 73067-BB-24 | 24in (0.6m) |
| 73067-BB-36 | 36in (0.9m) |

| RG 178B/U | Length |
|-------------|-------------|
| 73075-UU-12 | 12in (1.2m) |
| 73075-UU-24 | 24in (1.5m) |
| 73075-UU-36 | 36in (1.8m) |
| 73075-UU-48 | 48in (3.0m) |

Rating: Maximum voltage for hands free use: 750V.
MCX: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

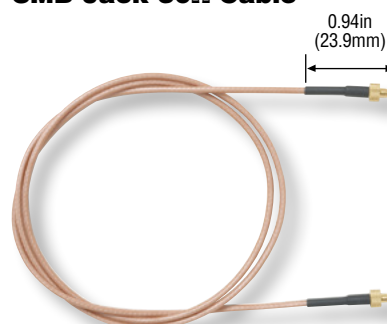
MMCX Male to MMCX Male Right Angle 50Ω Cable



| RG 316/U | Length |
|-------------|-------------|
| 73064-BB-6 | 6in (0.15m) |
| 73064-BB-12 | 12in (0.3m) |
| 73064-BB-24 | 24in (0.6m) |

Rating: Maximum voltage for hands free use: 500V*.
MMCX: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

SMB Jack 50Ω Cable



| RG 316/U | Length |
|-------------|-------------|
| 73072-BB-6 | 6in (0.15m) |
| 73072-BB-12 | 12in (0.3m) |
| 73072-BB-24 | 24in (0.6m) |
| 73072-BB-36 | 36in (0.9m) |
| 73072-BB-48 | 48in (1.2m) |

Rating: Maximum voltage for hands free use: 750V.
SMB: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

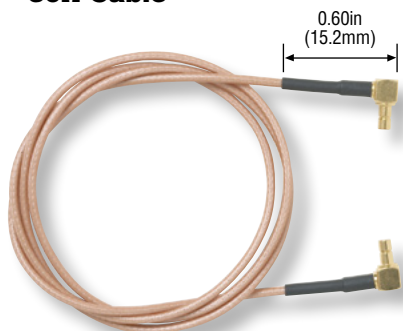
SMA Male to SMA Male Right Angle 50Ω Cable



| RG 316/U | Length |
|-------------|-------------|
| 73069-BB-12 | 12in (0.3m) |
| 73069-BB-24 | 24in (0.6m) |
| 73069-BB-36 | 36in (0.9m) |
| 73069-BB-48 | 48in (1.2m) |
| 73069-BB-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 750V*.
SMA: Body/Fittings: gold-plated brass; Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

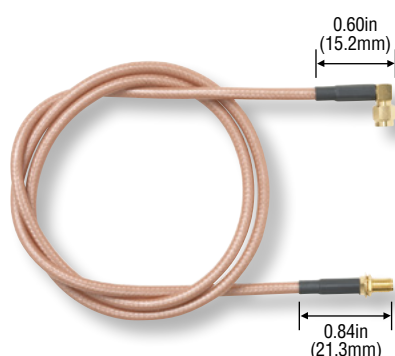
SMB Jack Right Angle 50Ω Cable



| RG 316/U | Length |
|-------------|-------------|
| 73073-BB-6 | 6in (1.5m) |
| 73073-BB-12 | 12in (0.3m) |
| 73073-BB-24 | 24in (0.6m) |
| 73073-BB-36 | 36in (0.9m) |
| 73073-BB-48 | 48in (1.2m) |

Rating: Maximum voltage for hands free use: 750V.
SMB: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

SMA Male Right Angle to SMA Female Bulkhead 50Ω Cable



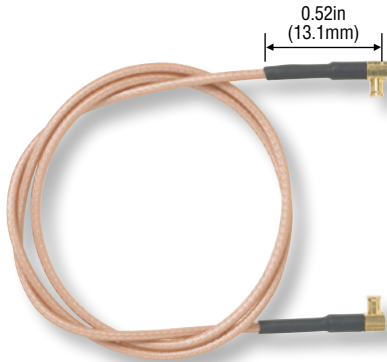
| RG 316/U | Length |
|-------------|-------------|
| 73071-BB-12 | 12in (0.3m) |
| 73071-BB-24 | 24in (0.6m) |
| 73071-BB-36 | 36in (0.9m) |
| 73071-BB-48 | 48in (1.2m) |
| 73071-BB-60 | 60in (1.5m) |

| RG 142B/U | Length |
|------------|-------------|
| 73071-X-12 | 12in (0.3m) |
| 73071-X-24 | 24in (0.6m) |
| 73071-X-36 | 36in (0.9m) |
| 73071-X-48 | 48in (1.2m) |
| 73071-X-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 750V.
SMA: Body/Fittings: gold-plated brass; Contact: beryllium copper and brass, gold-plated; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

*see rating message at start of section.

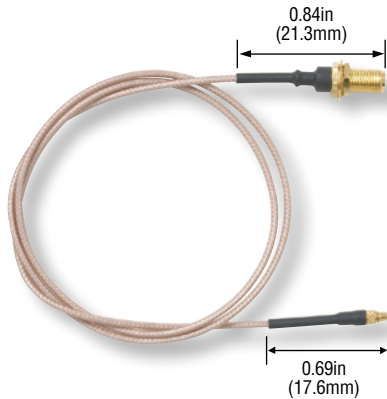
MCX Male Right Angle 50Ω



| RG 316/U | Length |
|-------------|-------------|
| 73068-BB-6 | 6in (0.15m) |
| 73068-BB-12 | 12in (0.3m) |
| 73068-BB-24 | 24in (0.6m) |
| 73068-BB-36 | 36in (0.9m) |

Rating: Maximum voltage for hands free use: 750V*.
SMA: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

MMCX Male to SMA Female Bulkhead 50Ω Cable

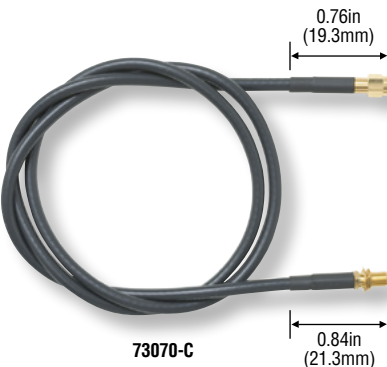


| RG 316/U | Length |
|-------------|-------------|
| 73065-BB-12 | 12in (0.3m) |
| 73065-BB-24 | 24in (0.6m) |
| 73065-BB-36 | 36in (0.9m) |
| 73065-BB-48 | 48in (1.2m) |

| RG 178B/U | Length |
|-------------|-------------|
| 73078-UU-12 | 12in (0.3m) |
| 73078-UU-24 | 24in (0.6m) |
| 73078-UU-36 | 36in (0.9m) |
| 73078-UU-48 | 48in (1.2m) |

Rating: Maximum voltage for hands free use: 500V.
MMCX: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
SMA: Body/Fittings: gold-plated brass; Contact: gold-plated beryllium copper; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

SMA Male to SMA Female Bulkhead 50Ω Cable

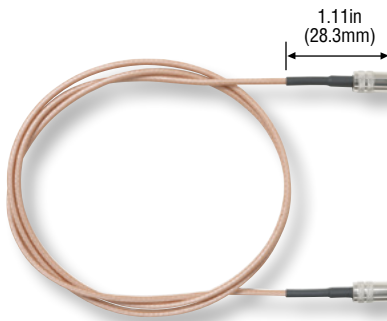


| RG 316/U | Length |
|-------------|-------------|
| 73070-BB-12 | 12in (0.3m) |
| 73070-BB-24 | 24in (0.6m) |
| 73070-BB-36 | 36in (0.9m) |
| 73070-BB-48 | 48in (1.2m) |
| 73070-BB-60 | 60in (1.5m) |

| RG 58C/U | Length |
|------------|-------------|
| 73070-C-12 | 24in (0.6m) |
| 73070-C-24 | 24in (0.6m) |
| 73070-C-36 | 36in (0.9m) |
| 73070-C-48 | 48in (1.2m) |
| 73070-C-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 750V.
SMA: Body/Fittings: gold-plated brass; Contact: beryllium copper and brass, gold-plated; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

SMA Male Quick-Connect 50Ω Cable

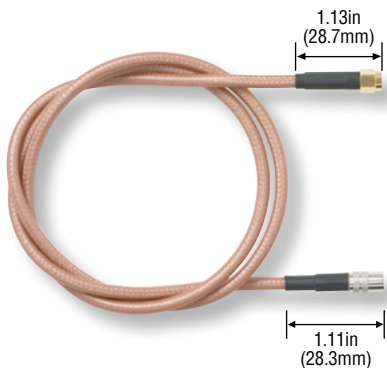


| RG 316/U | Length |
|-------------|-------------|
| 73083-BB-12 | 12in (0.3m) |
| 73083-BB-24 | 24in (0.6m) |
| 73083-BB-36 | 36in (0.9m) |
| 73083-BB-48 | 48in (1.2m) |
| 73083-BB-60 | 60in (1.2m) |

| RG 142B/U | Length |
|------------|-------------|
| 73083-X-12 | 12in (1.2m) |
| 73083-X-24 | 24in (1.5m) |
| 73083-X-36 | 36in (1.8m) |
| 73083-X-48 | 48in (3.0m) |
| 73083-X-60 | 60in (1.2m) |

Rating: Maximum voltage for hands free use: 750V.
SMA: Body/Fittings: nickel-plated brass; Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

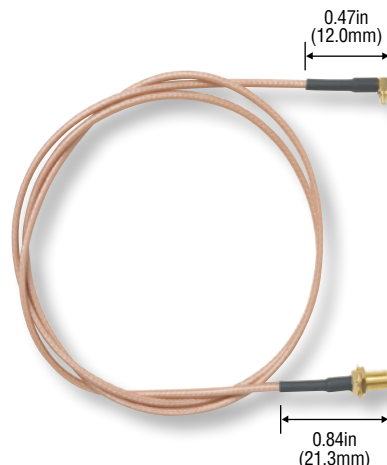
SMA Male to SMA Male Quick-Connect 50Ω Cable



| RG 142B/U | Length |
|------------|-------------|
| 73082-X-12 | 12in (0.3m) |
| 73082-X-24 | 24in (0.6m) |
| 73082-X-36 | 36in (0.9m) |
| 73082-X-48 | 48in (1.2m) |
| 73082-X-60 | 60in (1.2m) |

Rating: Maximum voltage for hands free use: 750V.
SMA: Body/Fittings: brass, gold-plated and nickel-plated; Contact: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

MMCX Male Right Angle to SMA Female Bulkhead 50Ω Cable



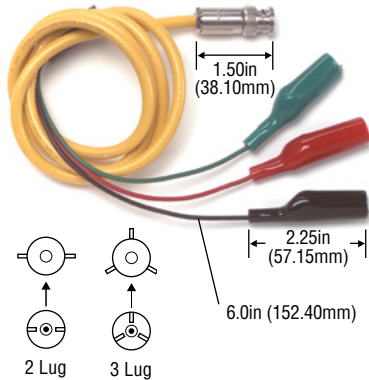
| RG 316/U | Length |
|-------------|-------------|
| 73066-BB-12 | 12in (0.3m) |
| 73066-BB-24 | 24in (0.6m) |
| 73066-BB-36 | 36in (0.9m) |
| 73066-BB-48 | 48in (1.2m) |

Rating: Maximum voltage for hands free use: 500V.
MMCX: Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.
SMA: Body/Fittings: gold-plated brass; Contact: gold-plated beryllium copper; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

Coaxial Cable Assemblies and Breakouts

Triaxial Male to Three Alligator Test Clips, Double Shielded

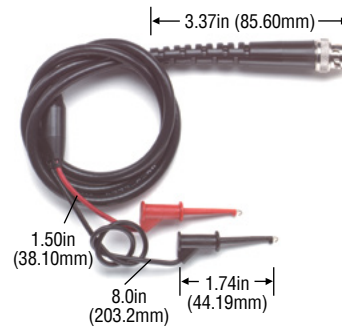
| Model# | Cable Type | Lugs | Length |
|--------|------------|------|-------------|
| 4725 | Triaxial | 2 | 36in (0.9m) |
| 5342 | Triaxial | 3 | 36in (0.9m) |



Rating: Maximum voltage for hands free use: 150 Vrms*.
Jaw Opening: 0.30in (7.62mm) max.
Triaxial: Body/Fittings: tarnish resistant nickel-plated brass; Intermediate and Center Contacts: gold-plated brass; Dielectric: PTFE.
 See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Micrograbber® Test Clips

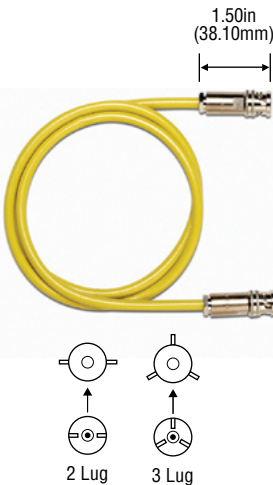
| Model# | Length |
|-----------|-------------|
| 4777-C-24 | 24in (0.6m) |
| 4777-C-36 | 36in (0.9m) |
| 4777-K-24 | 24in (0.6m) |
| 4777-K-36 | 36in (0.9m) |
| 4777-K-48 | 48in (1.2m) |



Rating: Maximum voltage for hands free use: 150 Vrms*.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
Strain Relief: PVC molded directly to cable and connectors.
Micrograbber: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.
Colors: One black and one red.
 See chart on page 7 for additional wire and cable specifications.

Triaxial Male Cables

| Model# | Cable Type | Lugs | Length |
|---------|------------|------|-------------|
| 5223-36 | Triaxial | 3 | 36in (0.9m) |
| 5223-60 | | | 60in (1.5m) |
| 5054-36 | Triaxial | 2 | 36in (0.9m) |
| 5054-60 | | | 60in (1.5m) |



Rating: Maximum voltage for hands free use: 500 Vrms*.
Triaxial: Body/Fittings: tarnish resistant nickel-plated brass; Intermediate and Center Contacts: gold-plated brass; Dielectric: PTFE.
Cable Type: Double Shielded, 50Ω, RG58A/U.
Colors: 5223: Yellow, 5054: Yellow.
 Triaxial to BNC Adapters on page 29.
 See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Alligator Test Clips

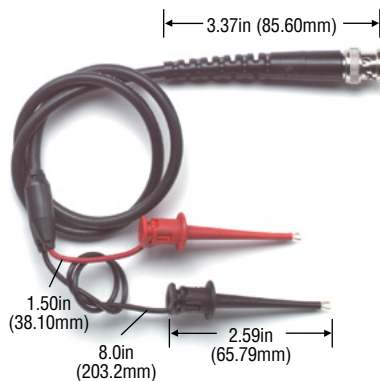
| Model# | Length |
|-----------|--------------|
| 4531-C-18 | 18in (0.5m) |
| 4531-C-24 | 24in (0.6m) |
| 4531-C-30 | 30in (0.76m) |
| 4531-C-36 | 36in (0.9m) |
| 4531-C-48 | 48in (1.2m) |
| 4531-C-60 | 60in (1.5m) |



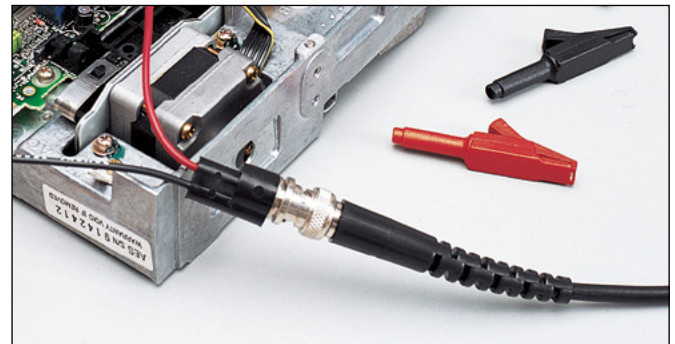
Rating: Maximum voltage for hands free use: 150 Vrms*.
Jaws Opening: 0.3in (7.62mm) max.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
Strain Relief: PVC molded directly to cable and connectors.
Alligator: Body: steel-plated nickel.
Colors: Vinyl boots: one black and one red.
 See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Minipincer® Test Clips

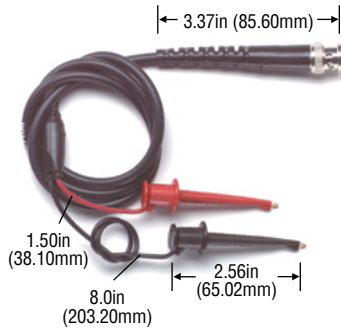
| Model# | Length |
|-----------|-------------|
| 5423-C-24 | 24in (0.6m) |
| 5423-C-36 | 36in (0.9m) |
| 5423-C-48 | 48in (1.2m) |



Rating: Maximum voltage for hands free use: 300 Vrms*.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
Strain Relief: PVC molded directly to cable and connectors.
Minipincer: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.
Colors: One black and one red.
 See chart on page 7 for additional wire and cable specifications.



BNC Male with Molded Strain Relief to Minigrabber® Test Clips



| Model# | Length |
|-----------|-------------|
| 5187-C-24 | 24in (0.6m) |
| 5187-C-36 | 36in (0.9m) |
| 5187-C-48 | 48in (1.2m) |
| 5187-C-60 | 60in (1.5m) |
| 5187-K-24 | 24in (0.6m) |
| 5187-K-36 | 36in (0.9m) |
| 5187-K-48 | 48in (1.2m) |
| 5187-K-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 300 Vrms*.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
Strain Relief: PVC molded directly to cable and connectors.
Minigrabber: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.
Colors: One black and one red.
 See chart on page 7 for additional wire and cable specifications.

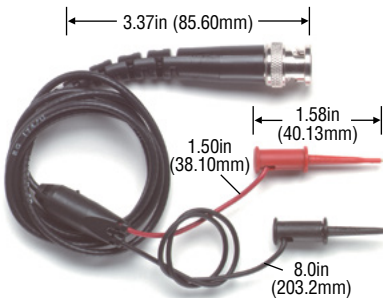
BNC Male with Molded Strain Relief to Minigator® Test Clips



| Model# | Length |
|-----------|-------------|
| 4532-C-24 | 24in (0.6m) |
| 4532-C-36 | 36in (0.9m) |
| 4532-C-48 | 48in (1.2m) |
| 4532-C-60 | 60in (1.5m) |

Rating: Maximum voltage for hands free use: 45 Vrms*.
Jaws Opening: to 0.18in (47.50mm) max.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
Strain Relief: PVC molded directly to cable and connectors.
Minigator: Body: steel-plated nickel
Colors: Vinyl boots: one black and one red.
Rating: +122°F (+50°C) max.
 See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to SMD Grabber® Test Clips



| Model# | Length |
|-----------|-------------|
| 5304-K-24 | 24in (0.6m) |
| 5304-K-36 | 36in (0.9m) |

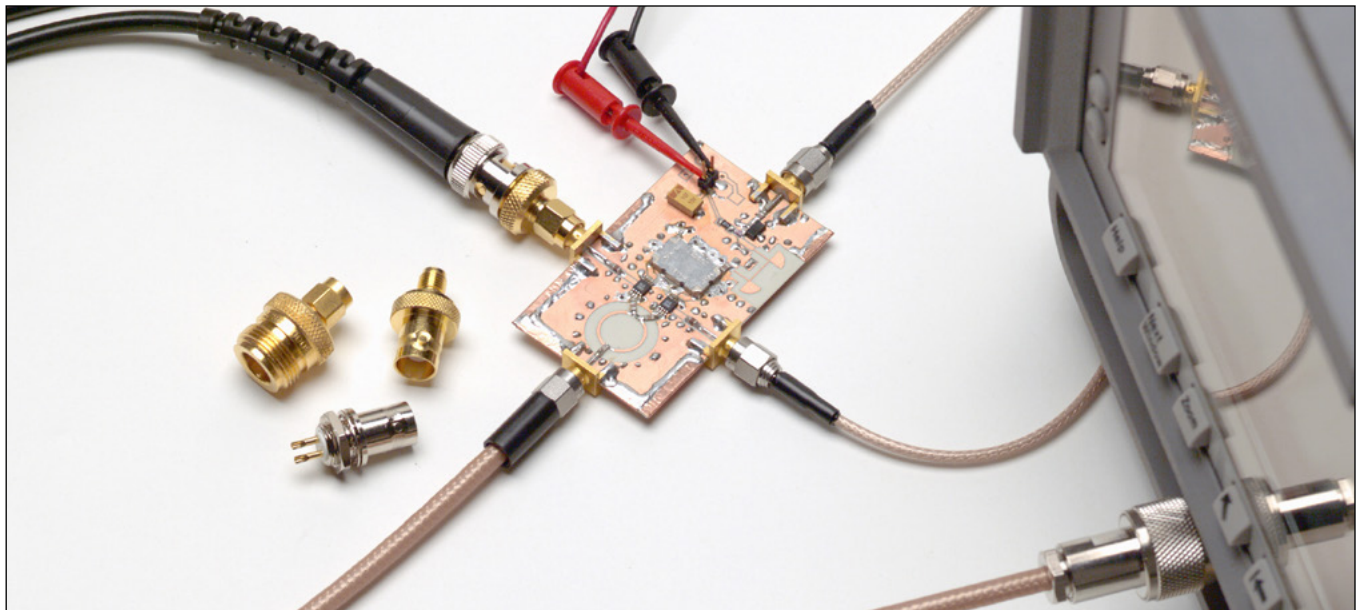
Rating: Maximum voltage for hands free use: 150 Vrms*.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.
Strain Relief: PVC molded directly to cable and connectors.
Grabber: Contacts: gold-plated stainless steel; Insulation: glass filled nylon.
Colors: One black and one red.
 See chart on page 7 for additional wire and cable specifications.

Strain Relief Boot

| Model# | Fits Cable Types | For Cable O.D. |
|--------|------------------|------------------------------------|
| 5155-* | RG 58, 141 | 0.185in - .200 (4.70mm - 5.08mm) |
| 5156-* | RG 59, 62, 210 | 0.237in - .247in (6.02mm - 6.27mm) |
| 5157-* | RG 174, 187, 188 | 0.090in - .110in (2.29mm - 2.79mm) |



Rating: +122°F (+50°C) max.
 Use with crimp type connectors.
 Sold in packages of 10.
***Std. Colors:** -0 Black, -2 Red



Coaxial Cable Assemblies and Breakouts

IEC Insulated BNC Male to Stackable/Retractable 4 mm plugs

| Model# | Length |
|--------|-------------|
| 72908 | 10in (25cm) |

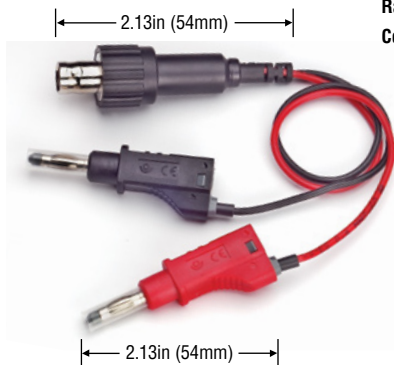
Impedance: 50Ω.
Rating: 33 Vrms/70 Vdc, 6A.
Color: Black.



IEC Insulated BNC Female to Stackable/Retractable 4 mm plugs

| Model# | Length |
|--------|-------------|
| 72909 | 10in (25cm) |

Impedance: 50Ω.
Rating: 33 Vrms/70 Vdc, 6A.
Color: Black.



Insulated BNC Male/4mm Shrouded Plugs

| Model# | Length |
|------------|--------------|
| 72927-C-40 | 40in (100cm) |
| 72927-C-80 | 80in (200cm) |

Impedance: 50Ω.
Rating: 500V CAT I, 150 V CAT II, 3A.
Color: Black.



BNC Male to ... the ends listed below



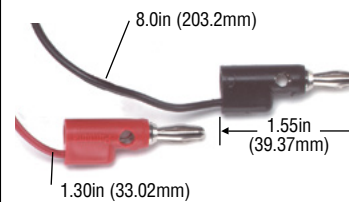
1st End: Crimp BNC Male with Molded Strain Relief.
Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Impedance: 50Ω, Boot, PVC; Color: black.
Cable Type C: RG58C/U

Rating: Maximum voltage for *hands free use*: 500 Vrms*.
BNC: Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass
Strain Relief: PVC molded directly to cable and connectors.

Match to any end shown below

BNC Male with Molded Strain Relief to Multi-Stacking Banana Plugs

| Model# | Length |
|-----------|-------------|
| 5268-C-24 | 24in (0.6m) |
| 5268-C-36 | 36in (0.9m) |
| 5268-C-48 | 48in (1.2m) |
| 5268-C-60 | 60in (1.5m) |



2nd End: Stacking Banana Plugs.
Body: nickel-plated brass beryllium copper spring; Insulation: polypropylene; Colors: one black and one red.
See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Multi-Stacking Double Banana

| Model# | Length |
|-----------|-------------|
| 4530-C-18 | 18in (0.5m) |
| 4530-C-24 | 24in (0.6m) |
| 4530-C-36 | 36in (0.9m) |
| 4530-C-48 | 48in (1.2m) |
| 4530-C-60 | 60in (1.5m) |

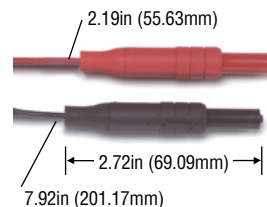


2nd End: Double Banana Plugs.
Body: nickel-plated brass beryllium copper spring; Insulation: polypropylene. Color: black.
See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Retractable Sheath Banana Plugs

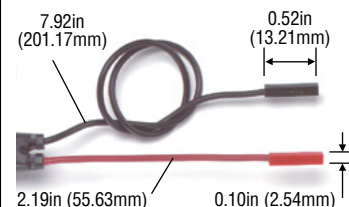
| Model# | Length |
|-----------|-------------|
| 5343-C-36 | 36in (0.9m) |
| 5343-C-60 | 60in (1.5m) |

Ideal for use with binding posts.
2nd End: Sheathed Banana Plugs.
Body: nickel-plated brass beryllium copper spring; Insulation: nylon.
See chart on page 7 for additional wire and cable specifications.



BNC Male with Molded Strain Relief to Square Pin Receptacles

| Model# | Length |
|-----------|-------------|
| 4945-K-18 | 18in (0.5m) |
| 4945-K-24 | 24in (0.6m) |
| 4945-K-36 | 36in (0.9m) |
| 4945-K-48 | 48in (1.2m) |
| 4945-K-60 | 60in (1.5m) |



2nd End: 0.025in (0.6mm) Square Pin Receptacles
Center Contact: gold-plated brass; Insulation: ABS; Colors: one black and one red.
See chart on page 7 for additional wire and cable specifications.

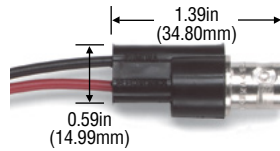
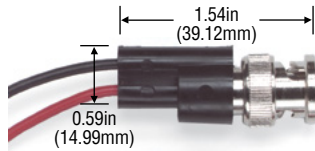
BNC Male or Female to ... the ends listed below

BNC Male (1st End):

Body: tarnish resistant nickel-plated brass;
Center Contact: gold-plated brass;
Insulation: polypropylene; Dielectric: PTFE.

Nominal impedance: 50Ω.

Colors: Black.



Overall length = BNC length + wire length + clip/plug length

Match to any end shown below

BNC Female (1st End):

Body: tarnish resistant nickel-plated brass;
Center Contact: beryllium gold-plated copper;
Insulation: polypropylene; Dielectric: PTFE.

Nominal impedance: 50Ω.

Colors: Black.

| Male Model# | Female Model# | Wire Length |
|-------------|---------------|-------------|
|-------------|---------------|-------------|

| | | |
|------|------|---------------|
| 3789 | 3788 | 5.5in (140mm) |
|------|------|---------------|

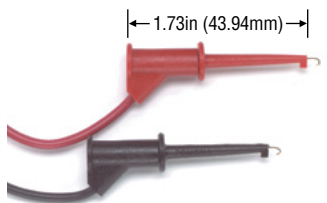
...Minigrabber® Test Clips (2nd End)



Minigrabber: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 300 Vrms*, +131°F (+55°C) max.

| | | |
|------|------|---------------|
| 5189 | 5188 | 5.4in (137mm) |
|------|------|---------------|

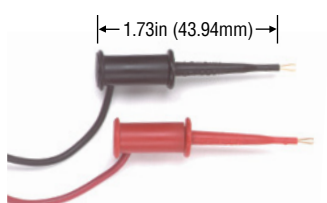
...Micrograbber® Test Clips (2nd End)



Micrograbber: Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 150 Vrms*, +131°F (+55°C) max.

| | | |
|---|------|---------------|
| — | 5305 | 5.5in (140mm) |
|---|------|---------------|

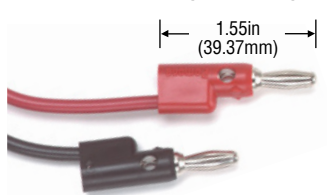
... SMD Grabber® Test Clips (2nd End)



Grabber: Contacts: gold-plated stainless steel; Insulation: glass filled nylon.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 150 Vrms*, +131°F (+55°C) max.

| | | |
|------|------|---------------|
| 3957 | 3073 | 5.4in (137mm) |
|------|------|---------------|

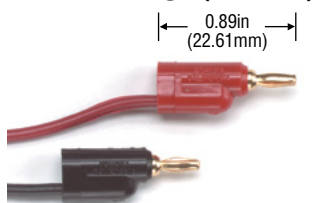
... Multi-Stacking Banana Plug (2nd End)



Banana Plug: Body: brass, Spring: beryllium copper; gold-plated. Insulation: polypropylene.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 500 Vrms*, +131°F (+55°C) max.

| | | |
|---|------|---------------|
| — | 3966 | 5.5in (140mm) |
|---|------|---------------|

... Stacking Miniature Banana Plugs (2nd End)

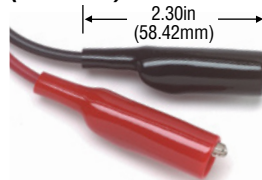


Banana Plug: Body: brass, Spring: beryllium copper; gold-plated. Insulation: polypropylene.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 500 Vrms*, +131°F (+55°C) max.

| Male Model# | Female Model# | Wire Length |
|-------------|---------------|-------------|
|-------------|---------------|-------------|

| | | |
|---|------|-------------|
| — | 2630 | 5in (127mm) |
|---|------|-------------|

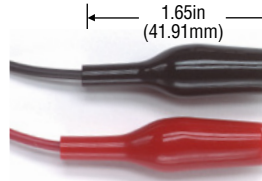
... Alligator Test Clips (2nd End)



Alligator: Body: steel-plated nickel.
Colors: Vinyl boots: one black and one red.
Rating: +122°F (+50°C) max.
Rating: Maximum voltage for hands free use: 150 Vrms*.
Jaw Opening: 0.30in (7.62mm).

| | | |
|------|------|---------------|
| 2886 | 2631 | 5.9in (149mm) |
|------|------|---------------|

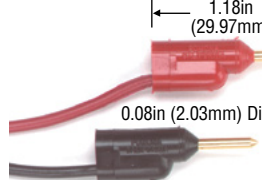
... Minigator Test Clips (2nd End)



Minigator: Body: steel-plated nickel.
Colors: Vinyl boots: one black and one red.
Rating: Maximum voltage for hands free use: 45 Vrms*, +122°F (+50°C) max.
Jaw Opening: 0.18in (47.50mm).

| | | |
|------|------|---------------|
| 3901 | 3221 | 5.5in (140mm) |
|------|------|---------------|

... Stacking Pin Tip Plugs (2nd End)



Pin Tip Plug: Body: gold-plated brass; Insulation: polypropylene.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 500 Vrms*, +131°F (+55°C) max.

| | | |
|------|------|---------------|
| 4970 | 4969 | 5.9in (149mm) |
|------|------|---------------|

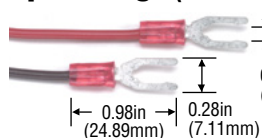
... 20 AWG Leads (2nd End)



Rating: Maximum voltage for hands free use: 500 Vrms*, +131°F (+55°C) max.
2nd End: None.

| | | |
|---|------|---------------|
| — | 5051 | 5.4in (136mm) |
|---|------|---------------|

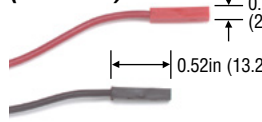
Female only ... to #8 Spade Lugs (2nd End)



Spade Lug: Body: Copper, tin-plated; Insulation: vinyl.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 500 Vrms*, +131°F (+55°C) max.

| | | |
|---|------|---------------|
| — | 5069 | 5.6in (143mm) |
|---|------|---------------|

Female only ... to .025 Square Pin Receptacles (2nd End)



Square Pin: Gold-plated phosphor bronze, ABS insulation.
Colors: One black and one red.
Rating: Maximum voltage for hands free use: 500 Vrms*, +131°F (+55°C) max.

RF Coaxial Connectors, Adapters and Kits

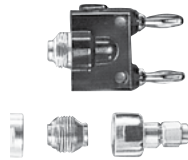
Pomona has everything from a single reliable RF adapter to versatile kits packaged in lightweight, foam padded cases containing all the connections and terminations you might need. Small MCX, MMCX, SMA and SMB connectors enable attachment in today's tight spacings. Pomona—connecting with quality.

Universal Adapter Kit

Model# 5698



Kit contains two each: BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), four intermediate couplers, one double Banana Plug, one double Banana Jack, and case.



Multi-RF Direct Adapter Kit

Model# 72934



A comprehensive kit including the most frequently used 50Ω RF adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not diecast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

Maxi Universal Adapter Kit

Model# 5748



Kit contains two each: BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), UHF (m), UHF (f), Mini UHF (m), Mini UHF (f), F (m), F (f), RCA (m), RCA (f), six intermediate couplers, one double Banana Plug, one double Banana Jack, one sampler, and case.

Kit contains:

| | |
|-------------------------|-------------------------------|
| 3535 BNC (m)/Type N (f) | 4295 SMA (f)/TNC (f) |
| 3288 BNC (f)/Type N (m) | 4296 SMA (m)/Type N (m) |
| 3844 TNC (m)/BNC (f) | 3283 BNC (f-f) |
| 4288 SMA(m)/BNC(M) | 3533 BNC (m-m) |
| 4290 SMA (m)/BNC (f) | 3285 BNC (f-m-f) TEE |
| 4289 SMA (f)/BNC (m) | 3284 BNC (f-f-f) TEE |
| 4291 SMA (f)/BNC (F) | 4940 TNC (f-f) Adapter |
| 4298 SMA (m)/Type N (f) | 3841 TYPE N (f-f) |
| 4297 SMA (f)/Type N (M) | 3842 TYPE N (m-m) |
| 4299 SMA (f)/Type N (f) | 4282 SMA (m-f) Rt Angle |
| 4292 SMA (m)/TNC (m) | 4283 SMA (m-m) |
| 4294 SMA (m)/TNC (f) | 4284 SMA (f-f) |
| 4293 SMA (f)/TNC (m) | 4286 SMA Termination, 50Ω (m) |

Adapter Kit Accessories

Individual adapters for the Universal Adapter Kits are also available.

| Coupling nut adapter to | Model# | 5698 | 5748 | Coupling nut adapter to | Model# | 5698 | 5748 |
|-------------------------|--------|------|------|-------------------------|--------|------|------|
| BNC (m) | 5735 | 2 | 2 | Mini UHF (m) | 5753 | - | 2 |
| BNC (f) | 5739 | 2 | 2 | Mini UHF (f) | 5757 | - | 2 |
| TNC (m) | 5736 | 2 | 2 | RCA (m) | 5754 | - | 2 |
| TNC (f) | 5740 | 2 | 2 | RCA (f) | 5758 | - | 2 |
| SMA (m) | 5737 | 2 | 2 | F (m) | 5759 | - | 2 |
| SMA (f) | 5741 | 2 | 2 | F (f) | 5755 | - | 2 |
| N (m) | 5734 | 2 | 2 | Coupler | 5742 | 4 | 6 |
| N (f) | 5738 | 2 | 2 | Dbi Banana Plug | 5743 | 1 | 1 |
| UHF (m) | 5752 | - | 2 | Dbi Banana Post | 5744 | 1 | 1 |
| UHF (f) | 5756 | - | 2 | Sampler | 5760 | - | 1 |

SMA Adapter Kit

Model# 72931



A consolidated kit including the most frequently used SMA adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not diecast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

Kit contains:

| | |
|---|-------------------------------|
| 4282 Right Angle SMA Female to SMA Male | 4292 SMA Male to TNC Male |
| 4283 Inline SMA Male to SMA Male | 4293 SMA Female to TNC Male |
| 4284 Inline SMA Female to SMA Female | 4294 SMA Male to TNC Female |
| 4286 SMA Male Terminator Plug | 4295 SMA Female to TNC Female |
| 4288 SMA Male to BNC Male | 4296 SMA Male to N Male |
| 4289 SMA Female to BNC Male | 4297 SMA Female to N Male |
| 4290 SMA Male to BNC Female | 4298 SMA Male to N Female |
| 4291 SMA Female to BNC Female | 4299 SMA Female to N Female |

Ratings: The components in this section have a hands free rating for use in controlled voltage environments. However, for CE compliance these products are not intended for hand held use at voltages above 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

N Adapter Kit



Model# 72932

A consolidated kit including the most frequently used Type N adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

Kit contains:

- 3288 N Male to 50Ω BNC Female
- 3535 N Female to 50Ω BNC Male
- 3841 Inline N Female to N Female
- 3842 Inline N Male to N Male
- 3843 Right Angle N Female to N Male
- 4286 N Male to SMA Male
- 4297 N Male to SMA Female
- 4298 N Female to SMA Male
- 4299 N Female to SMA Female
- 5089 T Style N Female to N Female to N Female
- 4240-50 50Ω N Terminator Plug
- 4240-75 75Ω N Terminator Plug

7/16 DIN Adapter Kit



Model# 6254

This kit will enable the field service technician to connect equipment that has 7/16 DIN connectors to other equipment that has Type N connectors. These connectors are not compatible, but both are commonly found on the same types of telephone equipment and test equipment.

The key feature of the 7/16 DIN connector is the extremely high resistance to inter-modulation interference. These connectors are used in cellular phone and PCS systems to reduce interference in crowded cell sites and also in radio, television and repeater sites.

An assortment of the most useful adapters for conversion between 7/16 DIN and Type N.

Kit contains one each:

- 6256 7/16 DIN Male to Type N Male Adapter
 - 6257 7/16 DIN Male to Type N Female Adapter
 - 6259 7/16 DIN Female to Type N Male Adapter
 - 6260 7/16 DIN Female to Type N Female Adapter
 - 7/16 DIN Male to 7/16 DIN Female Right Angle Adapter
 - 7/16 DIN Female to 7/16 DIN Female Splice
- All parts are protected by a custom zippered case with die cut foam padding.



BNC to Banana Plug and Binding Post Adapter Kit



Model# 5510

An assortment of many of Pomona's most popular BNC

Kit contains one each:

- BNC Female to Stacking Double Banana Plug
- BNC Male to Stacking Double Banana Plug
- BNC Male to Stackable Binding Posts
- BNC Female to Stackable Binding Posts
- BNC Female to Female
- BNC Male to Male adapters.

BNC Within Series Adapter Kit



Model# 5511

An assortment of Pomona's popular BNC within series adapters.

Kit contains one each:

- BNC Female to Female 3283
- BNC T (Female/Female/Female) 3284
- BNC T (Female/Male/Female) 3285
- BNC Male to Male 3533
- BNC Right Angle Male to Female 3534
- BNC T (Male /Female/Female) 4896

BNC 50Ω Attenuator Kit



Model# 5513

Kit contains five Model 4108 BNC 50Ω attenuators, one each of 3dB, 6dB, 10dB, 14dB and 20dB.

(Same as Model 4108).

Universal Adapter Cable



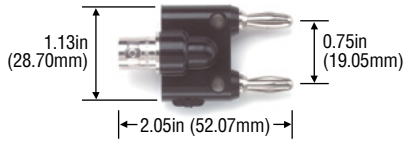
| Model# | Length |
|---------|-------------|
| 5749-24 | 24in (0.6m) |
| 5749-36 | 36in (0.9m) |
| 5749-48 | 48in (1.2m) |
| 5749-60 | 60in (1.5m) |
| 5749-72 | 72in (1.8m) |

Make cable assemblies with any of the adapters in the universal adapter kits.

50Ω RG 58C/U, 195" O.D.

RF Coaxial Connectors, Adapters and Kits

BNC Female to Double Stacking Banana Plug



Model# 1269

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

Material: *Banana Plug Jack*: brass; *Spring*: heat treated beryllium copper; *Finish*: nickel plating.

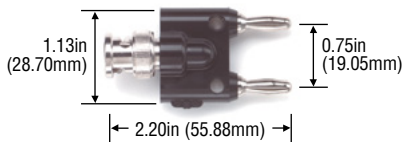
4mm Safety Banana Jack to 2mm Banana Plug Adapter



| Model# | Color |
|----------|--------------------|
| 72914-02 | Set, Black and Red |
| 72914-0 | 10 pack, Black |
| 72914-2 | 10 pack, Red |

Accepts 4mm safety-sheathed banana plugs.
Rating: 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum, 36A.

BNC Male to Double Stacking Banana Plug

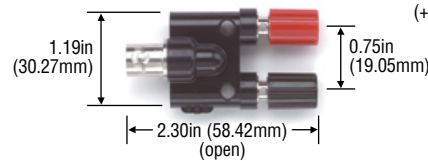


Model# 1270

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

Material: *Banana Plug Jack*: brass; *Spring*: heat treated beryllium copper; *Finish*: nickel plating.

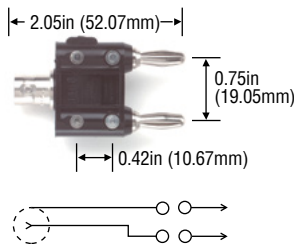
BNC Female to Stackable Binding Posts



Model# 1452

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

BNC Female to Double Banana Plug



Model# 1468

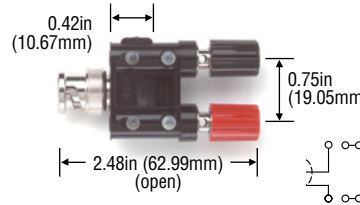
4 solder turrets provide access between BNC and isolated banana plugs.

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +131°F (+55°C) max.

BNC: isolated from Banana Plugs.

Material: *Banana Plug Jack*: brass; *Spring*: heat treated beryllium copper; *Finish*: nickel plating.

BNC Male to Stackable Isolated Binding Posts with 4 Terminals



Model# 1469

4 solder turrets for component attachments.
Use to make your own attenuator, balun, or filter.

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +131°F (+55°C) max.

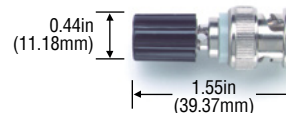
Insulated BNC Male to Dual 4 mm Banana Jacks



| Model# | Type |
|--------|-------|
| 72937 | Jacks |

Rating: 500V CAT I, 150V CAT II.

BNC Male with Binding Post



Model# 3430-*

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +239°F (+115°C) max.

*Std. Colors: -0 Black, -2 Red.

Insulated BNC Female to Dual 4 mm Banana Jacks



| Model# | Type |
|--------|-------|
| 72938 | Jacks |

Rating: 500V CAT I, 150V CAT II.

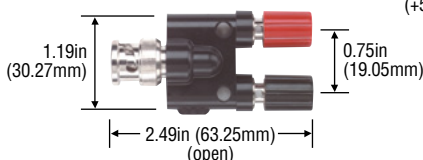
BNC Female to Single Banana Plug



Model# 1894

Rating: *Hands free testing* in controlled voltage environment: 500 Vrms*, +122°F (+50°C) max.

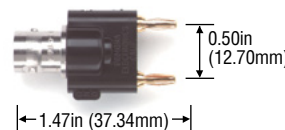
BNC Male to Stackable Binding Posts



Model# 1296

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

BNC Female to Miniature Double Banana Plug



Model# 3269

Allows a BNC male to be used with equipment having 0.50in (12.70mm) spaced miniature banana jacks.

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

BNC Male to Miniature Stackable Binding Posts



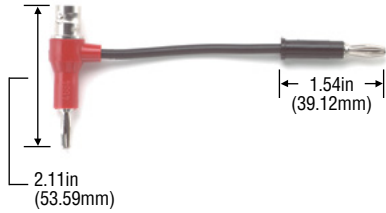
Model# 3296

Binding posts also accept miniature double banana plugs.

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

BNC Female to Single Banana Plug with Ground Lead

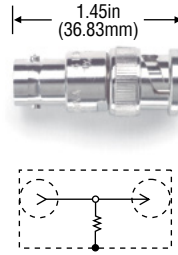
Model# 4684



Use with equipment having banana plugs or binding posts with non-standard spacing.
18 AWG Ground wire, 2.5in (63.50mm) long.
Rating: Maximum voltage for *hands free use*: 500 Vrms*, +131°F (+55°C) max.

BNC Feed-Thru Termination

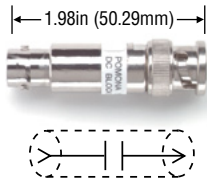
| Model# | Ω |
|----------|-----|
| 4119-50 | 50 |
| 4119-75 | 75 |
| 4119-600 | 600 |



Rating: 2W Carbon film resistor.
Accuracy: 2%.
Frequency Range: DC to 500 MHz, +216°F (+102°C) max.

BNC Male/Female with DC-Blocking Series Capacitor

Model# 5297



Use for sensitive RF measurements.
Rating: Maximum voltage for *hands free use*: 500 Vrms*, +216°F (+102°C) max.
Capacitor: 1000 pF, 600 Vdc.

BNC 50Ω Attenuator

| Model# | dB |
|-----------|------|
| 4108-3dB | 3dB |
| 4108-6dB | 6dB |
| 4108-10dB | 10dB |
| 4108-14dB | 14dB |
| 4108-20dB | 20dB |



Rating: 2W Avg. @ 77°F (25°C) max.
50Ω impedance. Metal film resistor attenuator.

Type N Male Terminator Plugs

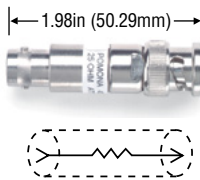
| Model# | Ω |
|---------|----|
| 4240-50 | 50 |



Rating: Frequency Range DC to 500 MHz, Power: 1W @ 158°F (70°C) max.
Accuracy: 1%.

BNC In-Series Resistor Attenuator

| Model# | Ω |
|---------|----|
| 4391-25 | 25 |
| 4391-50 | 50 |
| 4391-75 | 75 |



Rating: Frequency Range DC to 500 MHz, +216°F (+102°C) max.
Add series resistance to coaxial lines.
1%, 2W, non-inductive film resistor.

BNC Male Terminator Plugs

| Model# | Ω |
|---------|----|
| 3840-50 | 50 |
| 3840-75 | 75 |



Rating: Frequency range dc to 500MHz, power .5W @ 158°F (70°C) max.
Accuracy: 1%.

BNC Shorting Cap or Dust

| Model# | Type |
|--------|--------------|
| 5085 | Shorting cap |
| 3839 | Dust cap |



Shorting cap provides protection and supplies a short across an input.
Dust cap protects sensitive instrument inputs and is non-shorting.
Tarnish resistant plating.
3in (76.20mm) long chain.

RF Coaxial Connectors, Adapters and Kits

BNC Straight RF Plugs



Fig. 1: Compression Style



Fig. 3: Crimp Style*

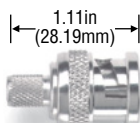


Fig. 2: Crimp Style

Rating: Maximum voltage for *hands free use*: 500 Vrms.

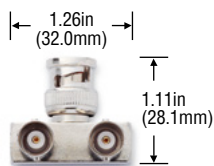
BNC: *Body*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

***Performance:** 4 GHz with VSWR of 1.3 maximum from 0 to 4GHz.

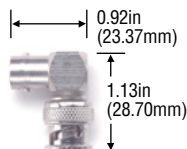
**see data sheet on website for ratings.

| Model# | Type | Fig. | Cable Group RG_/U BNC |
|----------------------------------|---------|------|---|
| 50Ω Impedance Compression | | | |
| 4488 | BNC (m) | 1 | 142, 142A, 142B, 223, 58, 58A, 58C, 5B, 5BA, 5BC, 8C, 141, 141A |
| 5307 | BNC (m) | 1 | 174, 174A, 179B, 187, 187A, 188, 188A, 316 |
| 50Ω Impedance Crimp | | | |
| 5285 | BNC (m) | 2 | RG58, 58A, 58C, 141, 141A |
| 7035* | BNC (m) | 2 | RG55A, 142, 142A, 223, 400 |
| 7040* | BNC (m) | 2 | RG179, 179B, 187, 187A, 174, 188, 188A, 316 |
| 73042** | BNC (m) | 3 | 174, 188, 316 |
| 73043** | BNC (m) | 2 | 8, 9, 11, 213, 214 |
| 73061 | BNC (m) | 3 | 58, 141 |
| 75Ω Impedance | | | |
| 5286 | BNC (m) | 2 | 59, 59A, 59B, 62, 62A, 62B, 62C, 210 |
| 6752A | BNC (m) | 2 | 59A, 59B, 62, 210, Belden 8241, 8263 |

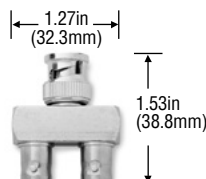
BNC within Series Adapters



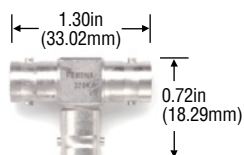
6701



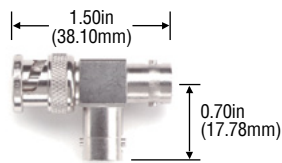
3534



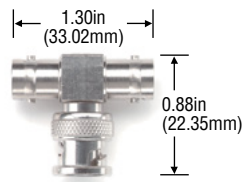
6700/6754



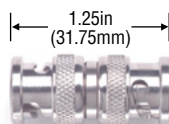
3284/6738



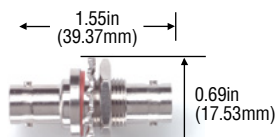
4896



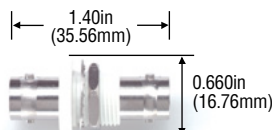
3285/6739



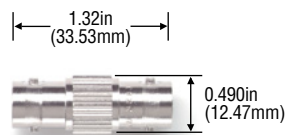
3533/6740



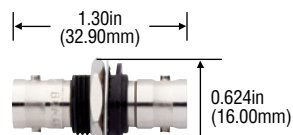
3847/6744
See Cutout



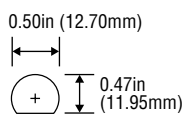
3846
See Cut-Out



3283/6737



6705



Panel Cut-Out for
3846/3847/6744

| Model# | Type | Special Features |
|----------------------|-------------|-------------------------|
| 50Ω Impedance | | |
| 3283 | BNC (f/f) | - |
| 3533 | BNC (m/m) | - |
| 3285 | BNC (f/m/f) | - |
| 3284 | BNC (f/f/f) | - |
| 4896 | BNC (m/f/f) | - |
| 3534 | BNC (f/m) | Right Angle |
| 3847 | BNC (f/f) | Hermetically Sealed (b) |
| 3846 | BNC (f/f) | Isolated Ground (a) |
| 6700 | BNC (f/m/f) | In-line |
| 6701 | BNC (f/m/f) | Right Angle |
| 75Ω Impedance | | |
| 6705 | BNC (f/f) | Isolated Ground (a) |
| 6737 | BNC (f/f) | - |
| 6738 | BNC (f/f/f) | - |
| 6739 | BNC (f/m/f) | - |
| 6740 | BNC (m/m) | - |
| 6744 | BNC (f/f) | Hermetically Sealed (b) |
| 6754 | BNC (f/m/f) | In-line |

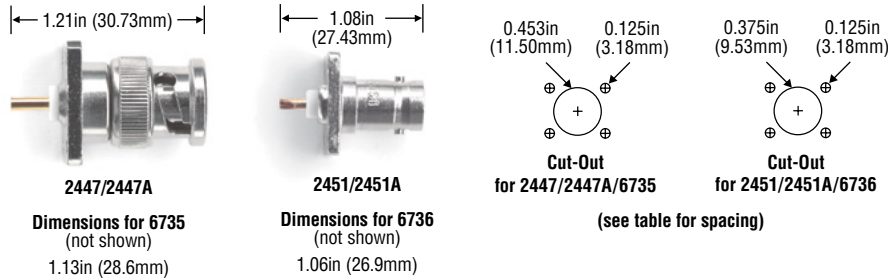
Notes: (a) Mounting hardware is isolated from outer conductor of BNC, (b) Leakage rate less than 10⁻⁷ cc/sec of tracer gas at one atmosphere.

Rating: Maximum voltage for *hands free use*: 500 Vrms*, -85°F to +329°F (-65°C to +165°C).

BNC: *Shell*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

Bandwidth: to 4 GHz.

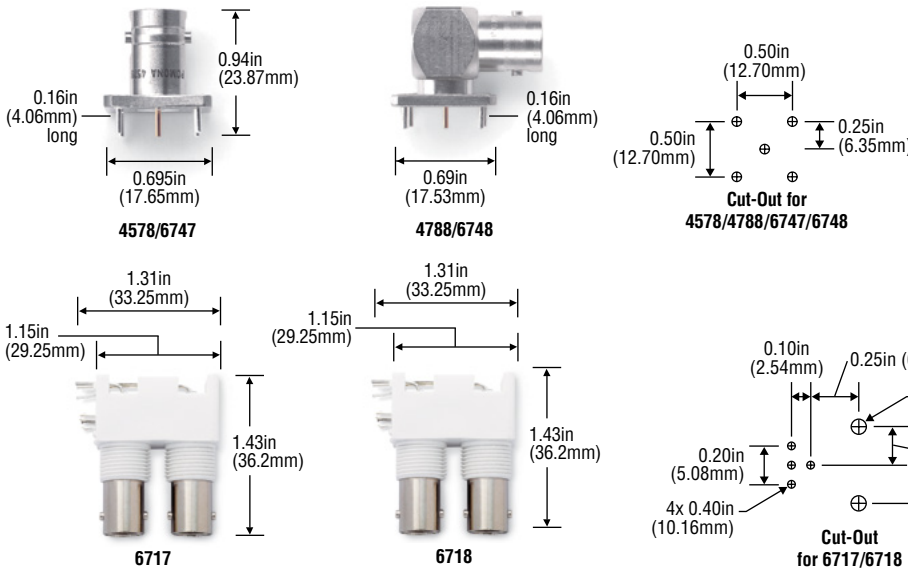
BNC Panel Receptacles



| Model# | Type | Spacing |
|----------------------|---------|---|
| 50Ω Impedance | | |
| 2447 | BNC (m) | 0.531in (13.46mm) hole spacing center to center |
| 2451 | BNC (f) | 0.531in (13.46mm) hole spacing center to center |
| 2447A | BNC (m) | 0.50in (12.70mm) hole spacing center to center |
| 2451A | BNC (f) | 0.50in (12.70mm) hole spacing center to center |
| 75Ω Impedance | | |
| 6735 | BNC (m) | 0.50in (12.70mm) hole spacing center to center |
| 6736 | BNC (f) | 0.50in (12.70mm) hole spacing center to center |

BNC: Shell: tarnish resistant nickel-plated brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

BNC Female PCB Mount

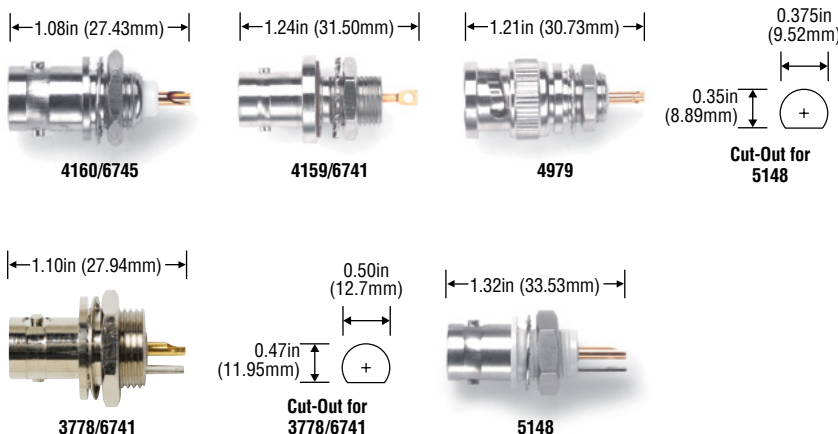


| Model# | Type | Material |
|----------------------|--------------|-------------|
| 50Ω Impedance | | |
| 4578 | Vertical BNC | - |
| 4788 | R/A BNC | Brass |
| 6717 | Dual R/A BNC | White Valox |
| 75Ω Impedance | | |
| 6718 | BNC (f) | White Valox |
| 6747 | BNC (f) | Vertical |
| 6748 | BNC (f) | Right Angle |

Rating: Maximum voltage for hands free use. 500 Vrms*, Impedance: 50Ω, -85 to +329°F (+165 to -65°C).

BNC: Body: tarnish resistant nickel-plated brass; Contact: gold-plated beryllium copper. Dielectric: PTFE.

BNC Bulkhead Receptacles



| Model# | Type | Special Features | Max. Panel Thickness |
|----------------------|---------|------------------------------------|----------------------|
| 50Ω Impedance | | | |
| 3778 | BNC (f) | Isolated Ground, Teflon Insulation | 0.18in (4.57mm) |
| 5148 | BNC (f) | Isolated Ground, Valox Insulation | 0.175in (4.45mm) |
| 4159 | BNC (f) | Hermetically Sealed* | 0.37in (9.40mm) |
| 4160 | | - | 0.10in (2.54mm) |
| 4979 | BNC (m) | - | 0.19in (4.83mm) |
| 75Ω Impedance | | | |
| 6741 | BNC (f) | Isolated Ground | - |
| 6745 | BNC (f) | - | - |

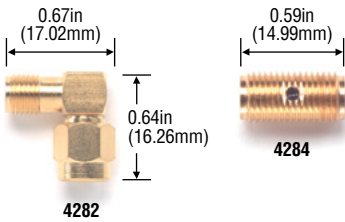
* Leakage rate less than 10⁻⁷ cc/sec of tracer gas at one atmosphere.

BNC: Body: tarnish resistant nickel-plated brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper (except as noted); Dielectric: PTFE.

Mounting hardware is isolated from outer conductor of BNC.

RF Coaxial Connectors, Adapters and Kits

SMA within Series Adapters

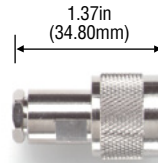


| Model# | Type |
|--------|-----------------------------|
| 4282 | SMA (f) to (m), Right Angle |
| 4284 | SMA (f) to (f) |

SMA: Shell: gold-plated brass; Center Contacts: gold-plated brass; Dielectric: PTFE.

Frequency Range: 4283, 4284: 12.4GHz; 4282: 12GHz.

Type N Male Connector



| Model# | Type |
|--------|------|
| 4787 | |

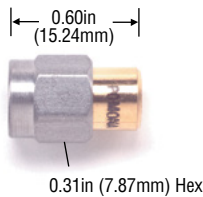
Fit Cable Types: RG58 and 142, 223, 141, 400.

N: Body: bronze-plated white brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

Impedance: 50Ω .

Rating: Maximum voltage for *hands free use*: 1,000 Vrms*.

SMA Male Terminator Plug



| Model# | Type |
|--------|------|
| 4286 | |

Rating: Maximum voltage for *hands free use*: 335 Vrms*.

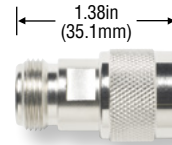
Impedance: 50Ω 1/2 W., 1%.

VSWR: 1.25 max. to 18GHz, 1/2 W, 85°F to +329°F (65°C to +165°C).

Resistor Terminator.

Gold-plated stainless steel with Teflon insulation.

Type N to UHF

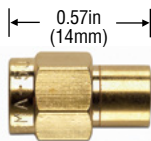


| Model# | Type |
|--------|---------------|
| 73047 | N (f)/UHF (m) |

N/UHF: Body: nickel-plated brass; Center Contact: gold-plated phosphor bronze; Insulators: PTFE.

Rating: Maximum voltage for *hands free use*: 750 V.

SMA Plug, 50Ω Termination



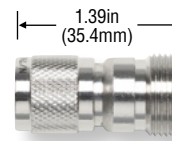
| Model# | Type |
|--------|------|
| 72975 | |

Bandwidth: 0-12.4 GHz on flexible cable.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

Body: machined brass, gold-plated finish; **Center Contacts:** plug: gold-plated brass; jack: gold-plated beryllium copper.

Type N to TNC



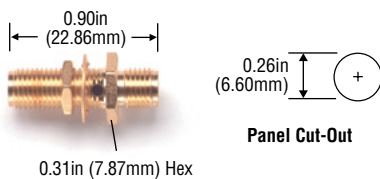
| Model# | Type |
|--------|---------------|
| 73046 | N (f)/TNC (m) |

N/TNC: Body: nickel-plated brass; Center Contact: gold-plated phosphor bronze; Insulators: PTFE.

Impedance: 50Ω.

Rating: Maximum voltage for *hands free use*: 1500 V.

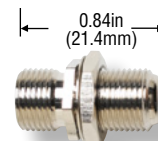
SMA Female to Female Bulkhead Receptacle



| Model# | Type |
|--------|------|
| 4285 | |

SMA: Shell: gold plated brass; Center Contacts: gold plated brass; Dielectric: PTFE.

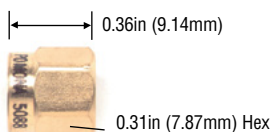
F Adapter



| Model# | Type |
|--------|--------------------------|
| 6802 | F (F/F) Bulkhead adapter |

Material: These 75 Ω connectors are designed for fast installation with no crimping. Connectors are precision machined brass with nickel plating and gold plated center contacts.

SMA Shorting Cap

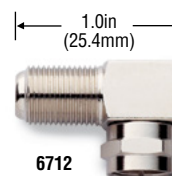


| Model# | Type |
|--------|------|
| 5088 | |

Screw onto SMA female. Protects sensitive instrument inputs or provides a necessary reference short.

SMA: Shell: gold plated; Center Contacts: gold-plated steel.

F within Series Adapters



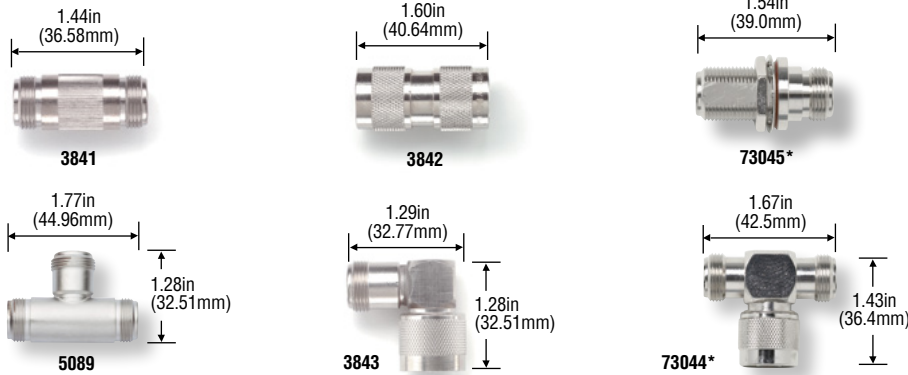
| Model# | Type |
|--------|--------------------------|
| 6712 | F (m/f) Right angle |
| 6713 | F (m/f) In line, Push-on |

Material: Machined, nickel-plated brass.



6713

Type N Adapters



| Model# | Type |
|--------|------------------------------|
| 3841 | N (f/f) |
| 3842 | N (m/m) |
| 3843 | N (f/m) |
| 5089 | N (f/f/f) |
| 73044* | N (m/f/m) |
| 73045* | N (f/f) Pressurized Bulkhead |

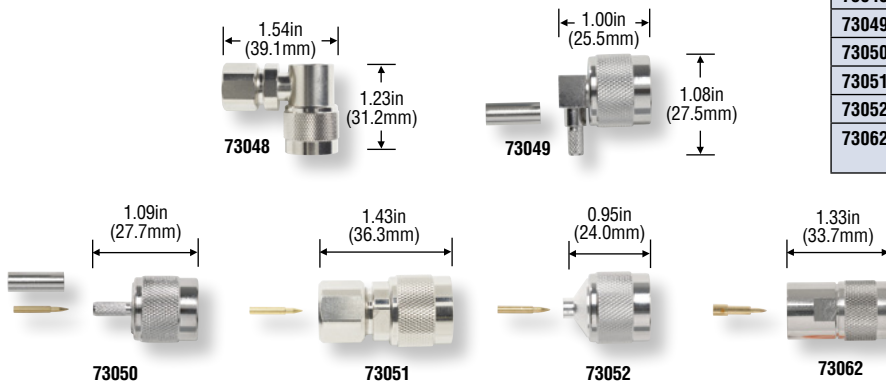
N: Body: nickel plated or bronze-plated white brass; Center Contact: male: gold-plated brass, female: beryllium copper or phosphor bronze, gold-plated; Dielectric: PTFE.

Impedance: 50Ω.

Rating: Maximum voltage for *hands free use*: 1,000 Vrms*.

*see data sheet on website for ratings

Type N Male 50Ω Connectors

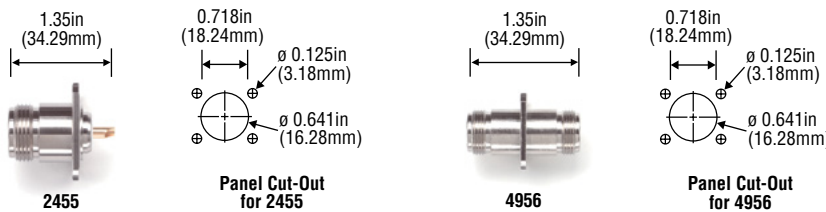


| Model# | Type | Cable Group RG /U BNC | Rating |
|--------|-------------------|------------------------------------|--------|
| 73048 | N (m) Right Angle | 214, 225, 393 | 1000V |
| 73049 | N (m) Right Angle | 55, 142, 223 | 1500V |
| 73050 | N (m) | 58, 141 | 1500V |
| 73051 | N (m) | 8, 213 | 1500V |
| 73052 | N (m) Semi-Rigid | 402 | 1500V |
| 73062 | N (m) | 8, 9, 144, 165, 213, 214, 216, 225 | 1000V |

N: Body: nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

Impedance: 50Ω.

Type N Panel Mount Receptacle



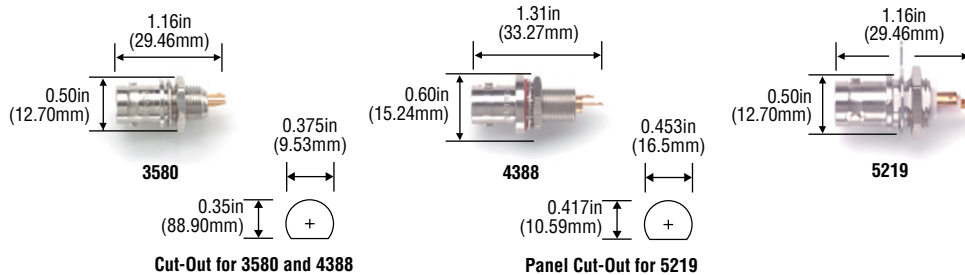
| Model# | Type |
|--------|-------|
| 2455 | N (f) |
| 4956 | N (f) |

N: Body: bronze-plated white brass; Center Contact: female: gold-plated beryllium copper; Dielectric: PTFE.

Impedance: 50Ω.

Rating: Maximum voltage for *hands free use*: 1,000 Vrms*.

Triaxial Female Bulkhead Receptacles

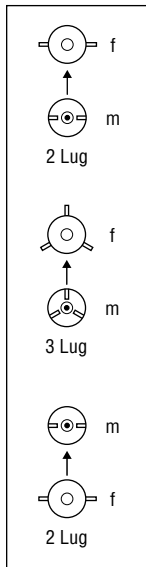


| Model# | Lugs | Max. Panel Thickness |
|--------|-----------|----------------------|
| 3580 | 2 lug (f) | 0.25in (6.35mm) |
| 4388* | 2 lug (f) | 0.25in (6.35mm) |
| 5219 | 3 lug (f) | 0.14in (3.56mm) |

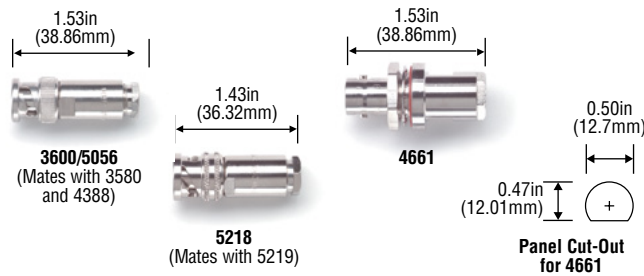
*Hermetically sealed leakage less than 10-7 cc/sec tracer gas at one atmosphere.

Triaxial: Body/Fittings: tarnish resistant nickel-plated brass; Center Contact: female: gold-plated beryllium copper; Outer Contact: gold-plated beryllium copper; Dielectric: PTFE.

RF Coaxial Connectors, Adapters and Kits



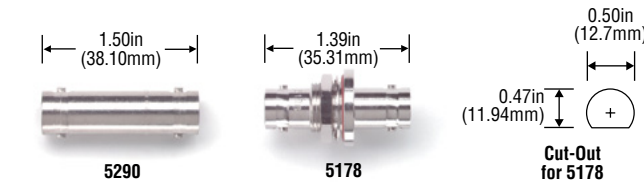
Triaxial Cable Plugs and Jacks



| Model# | Lugs | Max. Panel Thickness | Fits Cable Types |
|--------|-----------|----------------------|--|
| 3600 | 2 Lug (m) | - | Belden twinaxial 9272 0.242in (6.15mm) O.D. |
| 4661 | 2 Lug (f) | 0.14in (3.56mm) | Microdot 293-3930 0.175in (4.45mm) O.D. |
| 5056 | 2 Lug (m) | - | Belden triaxial 9222 |
| 5218 | 3 Lug (m) | - | 0.242in (6.15mm) O.D. |

Triaxial: *Body/Fittings:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper; *Outer Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

Triaxial Adapters



| Model# | Lugs | Max. Panel Thickness |
|--------|-----------|----------------------|
| 5178 | 2 Lug (f) | 0.25in (6.35mm) |
| 5290 | 2 Lug (f) | - |

Triaxial: *Body/Fittings:* tarnish resistant nickel-plated brass; *Center Contact:* female: gold-plated beryllium copper; *Outer Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

RF MCX Connectors

Bandwidth: 3-6 GHz, depending upon connector. (see data sheet on website.)

Working Voltage: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 170 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

Materials: *Body:* brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

Above specifications apply to models 73004, 73014, 73015 and 73012 below

RF MMCX Connectors

Bandwidth: 3-6 GHz, depending upon connector (see data sheet on website).

Working Voltage: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 170 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

Materials: *Body:* brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

Above specifications apply to models 73037, 73028 and 73039 below

MCX Plug, Straight Crimp

| Model# | Ω | Cable Group RG _U |
|--------|----------|-----------------------------|
| 73004 | 75 | 179 |

MMCX 50 Ω Jack, Straight Semi-Rigid Crimp

| Model# | Cable Group RG _U |
|--------|-----------------------------|
| 73037 | 405 |

MCX Plug, Straight Semi-Rigid Crimp

| Model# | Ω | Cable Group RG _U |
|--------|----------|-----------------------------|
| 73014 | 50 | 402 |

MMCX 50 Ω Jack, Right-Angle PCB Receptacle

73028

MCX Jack, Straight Crimp

| Model# | Ω | Cable Group RG _U |
|--------|----------|-----------------------------|
| 73012 | 75 | 179 |

*see rating message at start of section.

RF SMA Connectors

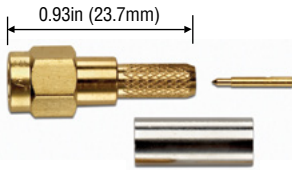
Bandwidth: 0-12.4 GHz on flexible cable (see data sheet on website).

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

Materials: *Body*: machined brass, gold-plated finish; *Center Contacts*: plug: gold-plated brass; jack: gold-plated beryllium copper.

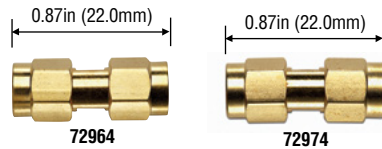
Above specifications apply to the models on this page

SMA 50Ω Plug



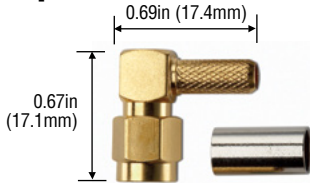
| Model# | Description | Cable Group RG_/U |
|--------|----------------|----------------------|
| 72943 | Straight Crimp | 58 |
| 72945 | Straight Crimp | 142, 400 |
| 72946 | Straight Crimp | 174, 188, 316 |

SMA 50Ω Within Series Adapters

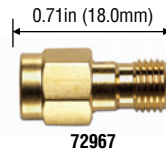
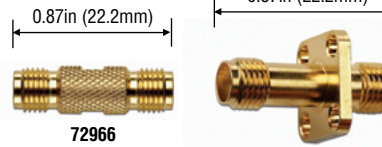


| Model# | Description |
|--------|------------------------------|
| 72964 | Plug (m/m) |
| 72966 | Jack (f/f) |
| 72967 | Jack, Reverse Polarity (f/f) |
| 72973 | Jack (f) to Jack (f) |
| 72974 | Jack to Reverse SMA Plug |

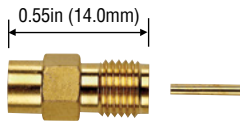
SMA 50Ω Plug, Right-Angle Crimp



| Model# | Cable Group RG_/U |
|--------|----------------------|
| 72959 | 141, 174, 188, 316 |
| 72960 | 142, 400 |

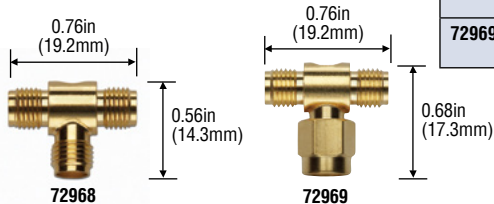


SMA 50Ω Jack, Straight Crimp



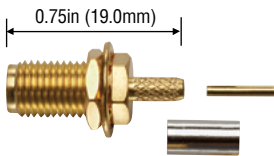
| Model# | Cable Group RG_/U |
|--------|----------------------|
| 72953 | 142, 400 |
| 72954 | 174, 188, 316 |

SMA 50Ω T Type



| Model# | Description |
|--------|--------------------------------|
| 72968 | Jack (f)/ Jack (f)/Jack (f) |
| 72969 | Jack (f)/Plug (m)/ Jack (f) |

SMA 50Ω Jack, Bulkhead Crimp



| Model# | Cable Group RG_/U |
|--------|----------------------|
| 72956 | 174, 178, 188, 316 |

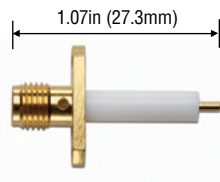
SMA 50Ω Jack, Straight PCB Receptacle



SMA 50Ω Jack, Straight PCB Receptacle Edge Mount

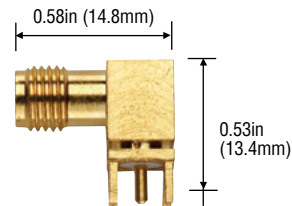


SMA 50Ω Jack, Panel Receptacle



| Model# | Description |
|--------|-------------|
| 72961 | 2 Hole |
| 72962 | 4 Hole |

SMA 50Ω Jack, Right-Angle PCB Receptacle



72971

RF Coaxial Connectors, Adapters and Kits

RF SMA Connectors

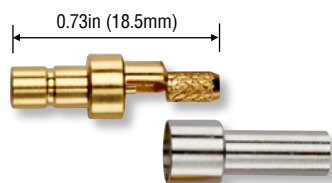
Bandwidth: 3-4 GHz, depending upon connector (see data sheet on website).

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 250 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

Materials: *Body:* machined brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; Jack: gold-plated beryllium copper.

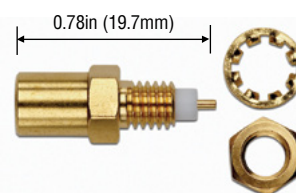
Above specifications apply to the models on this page except 5375

SMB Jack, Straight Crimp



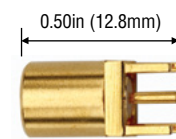
| Model# | Ω | Cable Group RG_/U |
|--------|----|----------------------|
| 72984 | 50 | 174, 188, 316 |

SMB 50Ω Plug, Panel Receptacle



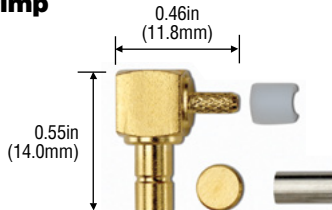
72999

SMB 50Ω Plug, Straight PCB Receptacle



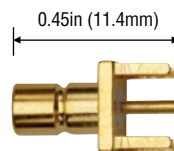
72995

SMB Jack, Right-Angle Crimp



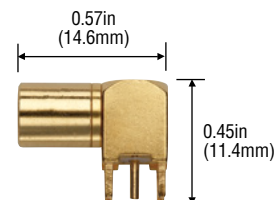
| Model# | Ω | Cable Group RG_/U |
|--------|----|----------------------|
| 72992 | 50 | 174, 188, 316 |

SMB 50Ω Jack, Straight PCB Receptacle



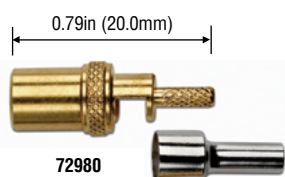
72996

SMB 50Ω Plug, Right-Angle PCB Receptacle



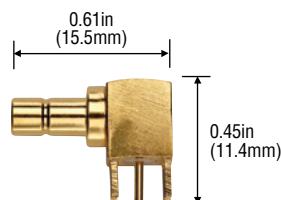
72997

SMB Plug, Straight Crimp



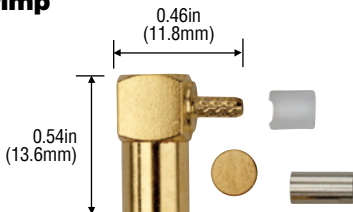
| Model# | Ω | Cable Group RG_/U |
|--------|----|----------------------|
| 72981 | 50 | 174, 188, 316 |

SMB 50Ω Jack, Right-Angle PCB Receptacle



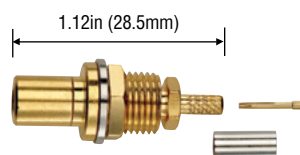
72998

SMB Plug, Right-Angle Crimp



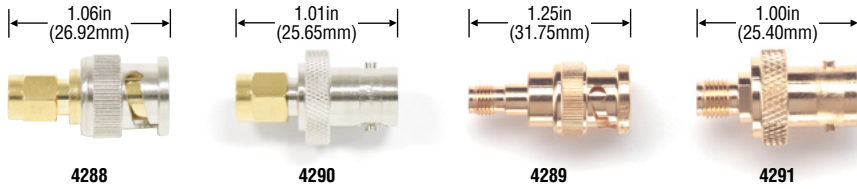
| Model# | Ω | Cable Group RG_/U |
|--------|----|----------------------|
| 72988 | 50 | 174, 188, 316 |

SMB Plug, Bulkhead



| Model# | Ω | Cable Group RG_/U |
|--------|----|----------------------|
| 73000 | 50 | 174, 188, 316 |

SMA to BNC



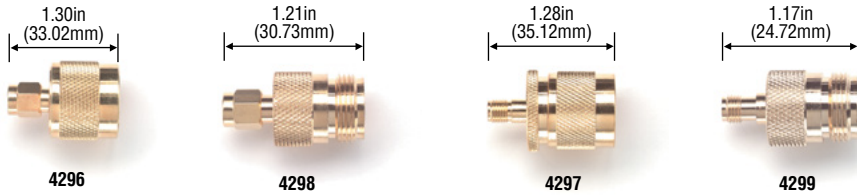
| Model# | Type |
|--------|--------------------|
| 4288 | SMA (m) to BNC (m) |
| 4290 | SMA (m) to BNC (f) |
| 4289 | SMA (f) to BNC (m) |
| 4291 | SMA (f) to BNC (f) |

Rating: Maximum voltage for *hands free use*: 335 Vrms*.

Impedance: 50Ω.

SMA: *Shell:* gold-plated brass; *Center Contacts:* male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric:* PTFE.

SMA to Type N



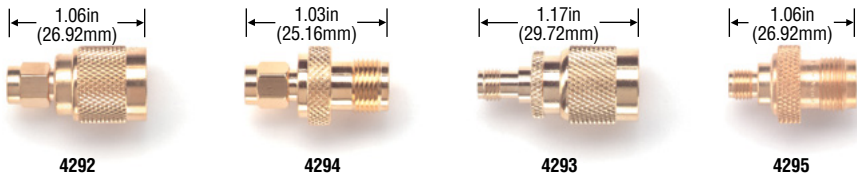
| Model# | Type |
|--------|-----------------------|
| 4296 | SMA (m) to type N (m) |
| 4298 | SMA (m) to type N (f) |
| 4297 | SMA (f) to type N (m) |
| 4299 | SMA (f) to type N (f) |

Rating: Maximum voltage for *hands free use*: 335 Vrms*.

Impedance: 50Ω.

Material: *Shell:* gold-plated brass; *Center Contacts:* gold-plated brass; *Dielectric:* PTFE.

SMA to TNC



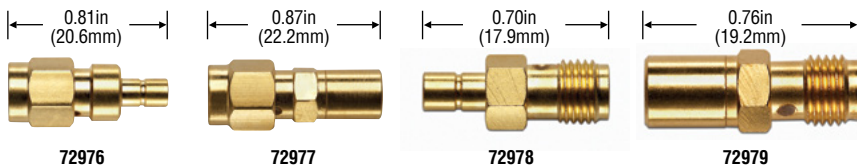
| Model# | Type |
|--------|--------------------|
| 4292 | SMA (m) to TNC (m) |
| 4294 | SMA (m) to TNC (f) |
| 4293 | SMA (f) to TNC (m) |
| 4295 | SMA (f) to TNC (f) |

Maximum voltage for *hands free use*: 335 Vrms*.

Impedance: 50Ω.

Material: *Shell:* gold-plated brass; *Center Contacts:* gold-plated brass; *Dielectric:* PTFE.

SMA to SMB



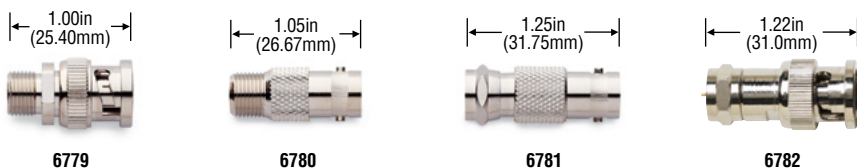
| Model# | Type | Ω |
|--------|--------------------|----|
| 72976 | SMA (m) to SMB (m) | 50 |
| 72977 | SMA (m) to SMB (f) | |
| 72978 | SMA (f) to SMB (m) | |
| 72979 | SMA (f) to SMB (f) | |

Bandwidth: 0-12.4 GHz on flexible cable.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

Materials: *Body:* machined brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

BNC to F

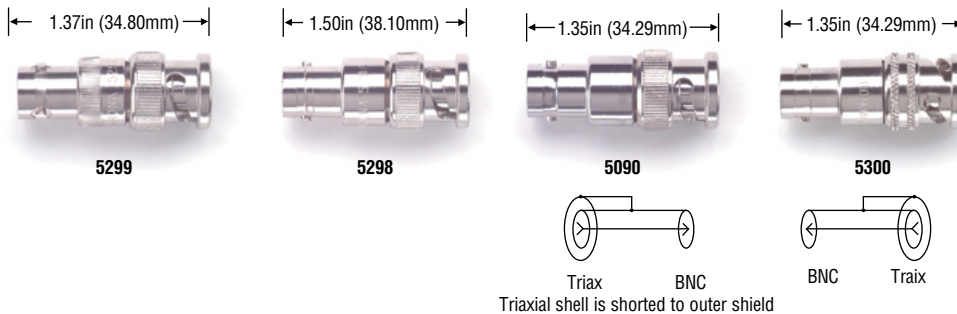


| Model# | Type |
|--------|---------------|
| 6779 | BNC (m)/F (f) |
| 6780 | BNC (f)/F (f) |
| 6781 | F (m)/BNC (f) |
| 6782 | BNC (m)/F (m) |

BNC: *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted); *Dielectric:* PTFE.

RF Coaxial Connectors, Adapters and Kits

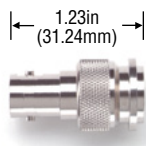
Triaxial to BNC



| Model# | Type |
|--------|---------------------------------|
| 5299 | 3 Lug Triax (f)/BNC (m) adapter |
| 5298 | 2 Lug Triax (f)/BNC (m) adapter |
| 5090 | BNC (f)/2 Lug Triax (m) adapter |
| 5300 | BNC (f)/3 Lug Triax (m) adapter |

Triaxial: Body: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper; **Outer Contact:** gold-plated beryllium copper; **Dielectric:** PTFE.

BNC to TNC



| Model# | Type |
|--------|-----------------|
| 3844 | BNC (f)/TNC (m) |

Rating: Maximum voltage for *hands free use*: 500 Vrms*, -85°F to +325°F (-65°C to +165°C) (except as noted).

Impedance: 50Ω (except as noted).

BNC: Shell: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.

BNC Female to Phono (RCA) Male

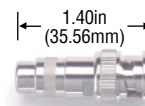


Model# 5319

Rating: *Hands free testing* in controlled voltage environment: 500 Vrms*, 216°F (+102°C) max.

BNC: Center Contact: gold-plated.

BNC Male to Phono Jack



Model# 4054

Rating: *Hands free testing* in controlled voltage environment: 500 Vrms*, +257°F (+125°C) max.

UHF to BNC



| Model# | Type | Special Features |
|--------|-----------------|---|
| 3287 | BNC (m)/UHF (f) | Phos. Bronze Contact Nonconstant Impedance |
| 3286 | BNC (f)/UHF (m) | Nonconstant Impedance |

3287

Rating: Maximum voltage for *hands free use*: 335 Vrms*, -85 to +325°F (-65 to +165°C) (except as noted).

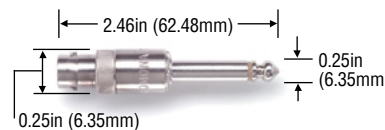
Impedance: 50Ω (except as noted).

UHF: Shell: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.



3286

BNC Female to 1/4in (6.35mm) Phone Plug



Model# 1297

Rating: *Hands free testing* in controlled voltage environment: 500 Vrms*, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

Type N to BNC



| Model# | Type | Special Features |
|--------|---------------|-------------------------------|
| 3535 | BNC (m)/N (f) | |
| 3288 | BNC (f)/N (m) | Beryllium Copper Male Contact |

3535

Rating: Maximum voltage for *hands free use*: 500 Vrms max., -85 to +325°F (-65 to +165°C) (except as noted).

Impedance: 50Ω (except as noted).

N: Shell: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.



3288

BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Mini Phone Plug

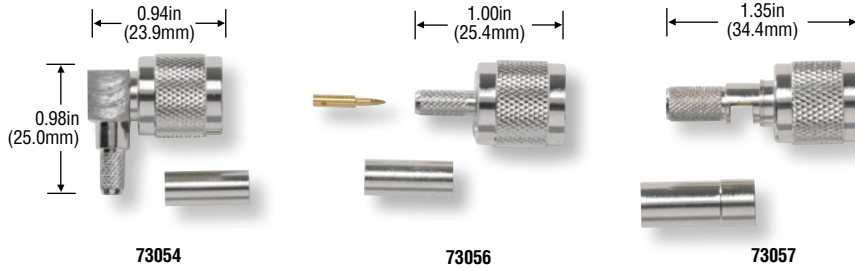


Model# 3837

Rating: *Hands free testing* in controlled voltage environment: 500 Vrms*, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

TNC Connectors



| Model# | Type | Cable Group RG_/U BNC |
|--------|---------------------|-----------------------|
| 73054 | TNC (m) Right Angle | 55, 142, 223, 400 |
| 73056 | TNC (m) | 58, 141 |
| 73057 | TNC (m) | 59, 62 |

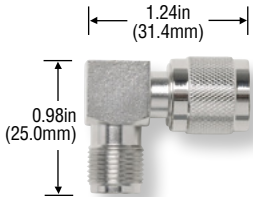
N: Body: nickel-plated brass; Center Contact: gold-plated brass; Insulators: PTFE.

Impedance: 50Ω.

Rating: Maximum voltage for *hands free use*: 1500 V.

TNC Adapter

| Model# | Type |
|--------|-----------------------|
| 73053 | TNC (f/m) Right Angle |



N/TNC: Body: nickel-plated brass; Center Contact: male: gold-plated brass, female: gold-plated phosphor bronze; Insulators: PTFE.

Impedance: 50Ω.

Rating: Maximum voltage for *hands free use*: 1500 V.

Strain Relief Boot

| Model# | Fits Cable Types | For Cable O.D. |
|--------|------------------|------------------------------------|
| 5155-* | RG 58, 141 | 0.185in - .200 (4.70mm - 5.08mm) |
| 5156-* | RG 59, 62, 210 | 0.237in - .247in (6.02mm - 6.27mm) |
| 5157-* | RG 174, 187, 188 | 0.090in - .110in (2.29mm - 2.79mm) |



Rating: +122°F (+50°C) max.

Use with crimp type connectors. Sold in packages of 10.

***Std. Colors:** -0 Black, -2 Red

BNC Male with Strain Relief Boot



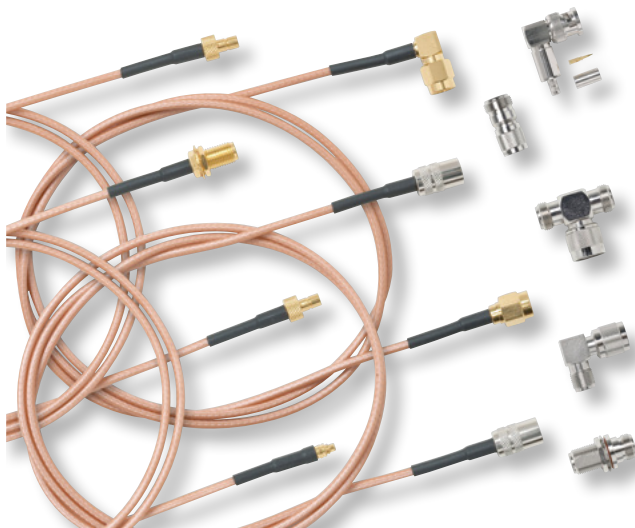
Make your own cable with strain relief. 5076: Black boot with nut only.

For use with connectors using a 7/16-28 clamp nut. Simply replace supplied nut with the one on the boot.

Rating: Maximum voltage for *hands free use*: 500 Vrms*, +122°F (+50°C) max.

| Model# | Fits Cable Types | For Cable O.D. |
|--------|------------------|-------------------------------------|
| 5066-* | RG 58, 141 | 0.185in - 0.200 (4.70mm - 5.08mm) |
| 5068-* | RG 174, 187, 188 | 0.090in - 0.110in (2.29mm - 2.79mm) |
| 5076-* | RG 58, 141 | 0.185in - 0.200in (4.70mm - 5.08mm) |

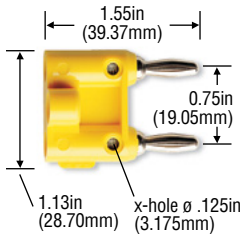
*Available in -0 black only



Banana Plugs and Jacks

Just need a reliable plug or jack? Making your own test set? Pomona Electronics' selection is designed to meet demanding electrical characteristics. Nickel-plated plugs feature brass bodies and one-piece heat-treated beryllium copper springs with nylon or ABS insulation. Choose Pomona for the reliable and dependable connections your work demands.

Double Banana Plug with Wire Guide, Stackable, Solderless



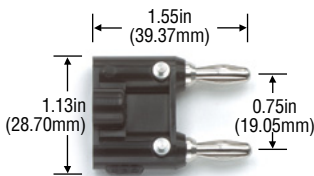
| Model# | Plating | Insulation | *Std. Colors |
|--------|---------|-----------------------|---|
| MDP-* | Nickel | Polypropylene | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White |
| 4892-* | Gold | Polypropylene | -0 Black, -2 Red |
| 4898-* | Nickel | Polyphenylene Sulfide | -0 Black, -6 Blue |
| 4914 | | | Set screws 8-32 x 0.210in (5.33mm), 100/pk |

Set screws secure wire. Simplifies cable construction or component mounting. Accepts cables to 0.22in (5.59mm) dia. max., (18-22 AWG wire).

Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) (Model 4898, +302°F (+150°C) max.).

Double Banana Plug with Solder Turret Terminals



Model# MDP-ST

Similar to MDP above except with bright tin plated solder turrets. Accepts cables to 0.215in (5.46mm) dia. max.

Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

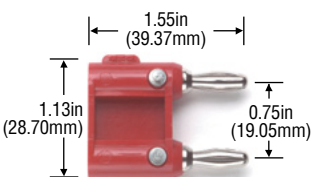
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

Color: Black.

Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

Double Banana Plug with Solder Turret Terminals



Model# 1330-ST-*

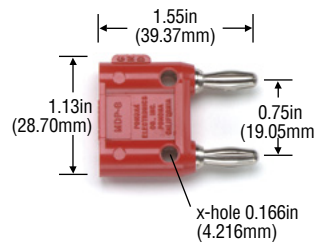
Similar to Model 1330 above, but features bright tin plated solder turrets.

Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Double Banana Plug with Shorting Bar



Model# MDP-S-*

Banana plugs internally shorted with #18 AWG wire.

X-hole accepts standard banana plug.

Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene.

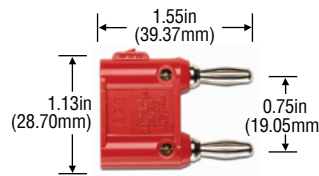
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red, -9 White.

Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

Double Banana Plug, Stackable, Solderless



Model# 1330-*

Similar to MDP without cable loop.

Features recess for mounting small components with set screws.

Model 1330 has setscrews like MDP.

Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene.

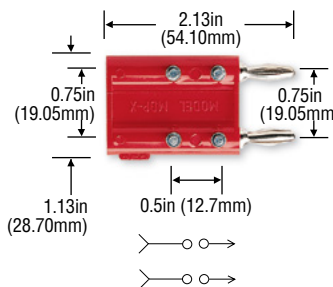
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

Isolated Double Banana Plug with Four Solder Terminals



Model# MDP-X

Use to make your own attenuator, balun or filter.

Jacks are isolated from plugs.

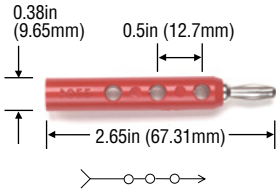
Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene; Solder turrets: bright tin plated.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

Color: Red.

QUAD Stacking Plug

Model# 3364-*



Features one in-line stacking and three cross-stacking connections.

All jacks are connected to plug.

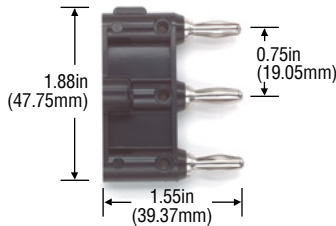
Material: *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) Max.

*Std. Colors: -0 Black, -2 Red.

Triple Banana Plug, Stackable, Solderless

Model# 2970-*



Use for balanced line 2 conductor shielded cable assemblies. Accepts cables to 0.250in (6.35mm) dia. max., Setscrews secure wires.

Material: *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* Polypropylene.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

4mm Safety Banana Jack to Banana Plug Adapter

Model# 6728



Accepts safety-sheathed 4mm banana plug and adapts to standard banana plug.

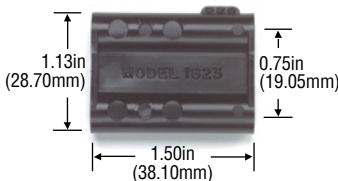
Material: nickel plated brass.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum, -10 to +55°C.

*Std. Colors: -0 Black, -2 Red.

Double Banana Plug Splice

Model# 1823-*



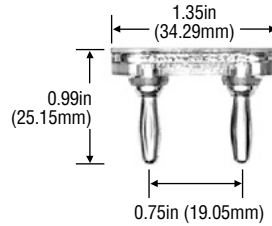
Provides rapid method for splicing cables.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

Insulated Double Banana Plug Shorting Bar

Model# 5145



Shorting bar is completely insulated in clear ABS thermoplastic.

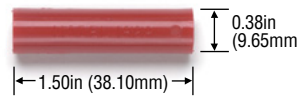
Fits standard 0.166in (4.22mm) dia. banana jack.

Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.

Rating: 15A, +122°F (+50°C) max., resistance less than 1.5mΩ.

Single Banana Plug Splice

Model# 1829-*



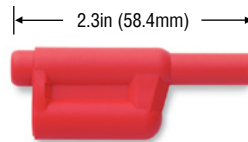
Provides rapid method for splicing single banana plug patch cords.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +55°C (+131°F) max.

*Std. Colors: -0 Black, -2 Red.

Do-It-Yourself 4mm Stackable Banana Plug, Solder

Model# 6721



Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

Material: *Contacts:* nickel-plated brass, *Insulation:* lucel acetal polymer.

Rating: IEC61010 1000V Category III**, 20A, 14 to 176°F (-10 to +95°C).

*Std. Colors: -0 Black, -2 Red.

** When plug is correctly assembled and terminated.

Do-It-Yourself 4mm Right Angle Banana Plug

Model# 6729



Build your own safety leads with do-it-yourself safety-sheathed 4mm right angle banana plug.

Material: *Contacts:* nickel-plated brass; *Insulation:* lucel acetal polymer.

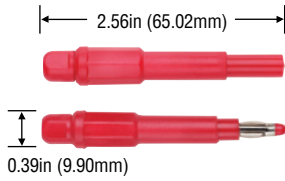
Rating: IEC61010 1000V Category III**, 20A, 14 to 176°F (-10 to +55°C).

*Std. Colors: -0 Black, -2 Red.

** When plug is correctly assembled and terminated.

Banana Plugs and Jacks

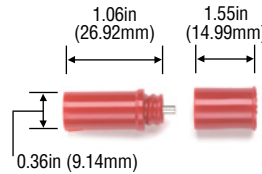
Do-It-Yourself Retractable Sheath Banana Plug



| Model# | Color |
|---------|-------|
| 122505A | Black |
| 122506A | Red |

Do-It-Yourself Retractable Sheath Banana Plugs provide fast simple assembly and reliable performance.
Rating: For CE CAT II 300V, CAT III 150V. Maximum voltage for *hands free use*: 1000 Vrms, 20A, ≤ 2 mΩ.
 Accepts 18-22 AWG wire.

Do-It-Yourself In-Line Sheathed Banana Plug/ Banana Jack



4933/4986 Plugs

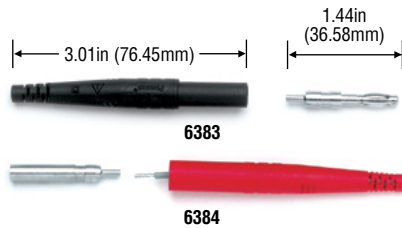


4934 Jacks

| Model# | Accepts wire AWG | Wire Access Hole (4.04mm) Dia. | Type |
|--------|------------------|--------------------------------|------|
| 4933-* | 22, 20, 18 | 0.159in (4.04mm) Dia. | Plug |
| 4986-* | 16, 14 | 0.200in (50.8mm) Dia. | Plug |
| 4934-* | 22, 20, 18 | 0.159in (4.04mm) Dia. | Jack |

These plugs and jacks are designed to fit together and provide protection from accidental shorting.
Material: *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Insulation:* polypropylene.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1200V ac/dc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +176°F (+80°C) max.
 *Std. Colors: -0 Black, -2 Red.

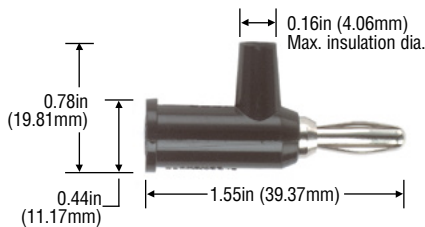
Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack



Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation. Attaches to wire by crimp or soldering. Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.
 See mating panel jacks (6387 on page 36).
Material: *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Insulation:* Santoprene®.
Rating: CAT II 300V, 15A, +275°F (+135°C) max.
 *Std. Colors: -0 Black, -2 Red, -02 Black and Red (2 per pkg).
 *Sold in pkgs of 10.

| Model# | Type |
|---------|------|
| 6383-* | Plug |
| 6383-02 | |
| 6384-* | Jack |
| 6384-02 | |

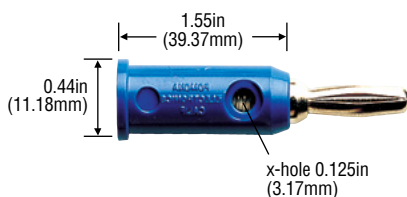
Do-It-Yourself Solderless Stackup Banana Plug with Safety Shield



Internal set screw holds wire firmly. Safety collar insulates exposed wire leads. Accepts standard banana plug and fits 0.166in (4.22mm) dia. banana jack.
Material: *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max. (Model 4899, +302°F (+150°C) max.).
 Accepts 18-22 AWG wire.

| Model# | Plating | Insulation | Std. Colors |
|--------|---------|-----------------------|---|
| 1825-* | Nickel | Polypropylene | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White. Sold in pkgs of 10 |
| 4897 | Gold | Polypropylene | -0 Black, -2 Red |
| 4899 | Nickel | Polyphenylene Sulfide | -0 Black, -6 Blue Sold in pkgs of 10 |
| 6545 | Nickel | Polypropylene | Pkg of 1 ea. of all 10 colors |

Do-It-Yourself Solderless Stackup Banana Plug

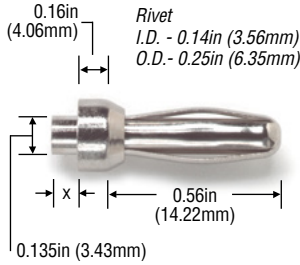


4914 set screws 8-32 x 0.210 (5.33mm), 100/pk. Internal set screw holds wire firmly. Accepts standard banana plug, fits standard 0.166in (4.22mm) dia. banana jack.
Material: *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max. (Model 5230, +302°F (+150°C) max.).
 Accepts 18-22 AWG wire.

| Model# | Plating | Insulation | Std. Colors |
|--------|---------|-----------------------|--|
| 1325-* | Nickel | Polypropylene | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White. |
| 5406 | Gold | Polypropylene | -0 Black, -2 Red |
| 5230 | Nickel | Polyphenylene Sulfide | -0 Black, -6 Blue |
| 6546 | Nickel | Polypropylene | Pkg of 1 ea. of all 10 colors |

*Sold in pkgs of 10.

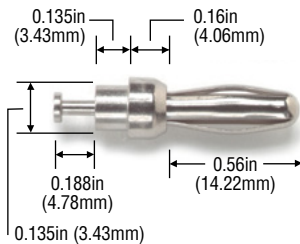
Rivet Type Banana Plug



| Model# | "X" | Panel |
|--------|------------------|------------------|
| 3257 | 0.094in (2.39mm) | 0.062in (1.57mm) |
| 3258 | 0.125 (3.17mm) | 0.093in (2.36mm) |

Excellent for riveting to panels or boards. Fits standard 0.166in (4.22mm) dia. banana jack.
Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.
 Sold in pkgs. of 10.

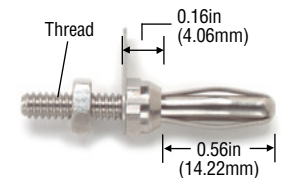
Rivet Type Banana Plug with Turret



| Model# 3261 |
|-------------|
|-------------|

Excellent for riveting to panels or boards. Solder turret for rapid attachment of wires. Fits standard 0.166in (4.22mm) dia. banana jack.
Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.
 Sold in pkgs. of 10.

Banana Plug with Threaded Stud and Solder Lug



| Model# | Thread |
|--------|------------------------|
| 3263 | 6-32 x .50in (12.70mm) |
| 3264 | 8-32 x .50in (12.70mm) |

Fits standard 0.166in (4.22mm) dia. banana jack.
Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.
 Sold unassembled, in pkgs. of 10.

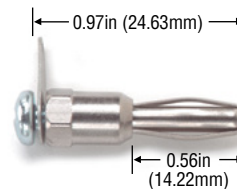
Insulated Banana Plug and Jack with Flexible Boot, Solder or Crimp



| Model# | Accepts wire AWG | Type | Mates with... |
|--------|------------------|------|---------------|
| 5169-* | 22, 20, 18 | Plug | Jack 5167 |
| 5170-* | 16, 14 | | Jack 5168 |
| 5167-* | 22, 20, 18 | Jack | Plug 5169 |
| 5168-* | 16, 14 | | Plug 5170 |

Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to banana plug or jack. Fits standard 0.166in (4.22mm) dia. banana jack.
Material: *Boot:* Banana Plug Body: brass; *Spring:* beryllium copper; *Finish:* nickel plating; *Jack:* nickel plated brass.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C), max.
 *Std. Colors: -0 Black, -2 Red.

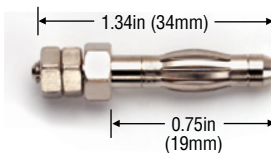
Banana Plug with Screw and Soldering Lug



| Model# | Thread |
|--------|------------------------|
| 3265 | 6-32 x 0.25in (6.35mm) |
| 3266 | 8-32 x 0.25in (6.35mm) |

Fits standard 0.166in (4.22mm) dia. banana jack.
Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.
 Sold unassembled, in pkgs. of 10.

4mm Banana Plug with Threaded M3 Stud

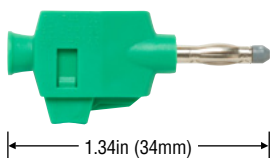


| Model# 72918 |
|--------------|
|--------------|

4mm plug with threaded M3 stud, 2 nuts; 12mm (0.5in) stud length.
 Sold unassembled, in pkgs. of 10.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 36A.

Banana Plugs and Jacks

DIY 4mm Banana Plug for Quick Wire Attachment



| Model# | Color |
|---------|--------|
| 73090-0 | Black |
| 73090-2 | Red |
| 73090-4 | Yellow |
| 73090-5 | Green |
| 73090-6 | Blue |
| 73090-9 | White |

Attach wires easily with a spring-loaded push-button tab for quick wire assembly.

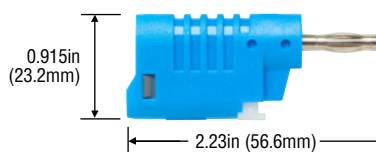
Make 4mm banana plug patch cords conveniently in the field.

Material: *Contact:* nickel-plated brass/steel; *Insulation:* polypropylene/polyoxymethylene.

Rating: 33 Vac/70 Vdc, 20A.

Accepts: 18-22 AWG wire.

DIY Stackable 4mm Banana Plug for Quick Wire Attachment



| Model# | Color |
|---------|--------|
| 73092-0 | Black |
| 73092-2 | Red |
| 73092-4 | Yellow |
| 73092-5 | Green |
| 73092-6 | Blue |
| 73092-9 | White |

Stackable for chaining additional connections and test versatility.

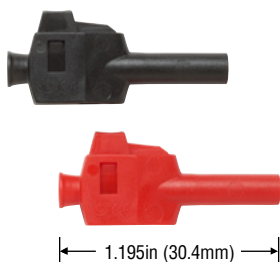
Attach wires easily with a spring-loaded push-button tab for quick wire assembly.

Material: *Contact:* nickel-plated brass/steel; *Insulation:* polypropylene/polyoxymethylene.

Rating: 33 Vac/70 Vdc, 36A.

Accepts: 18-22 AWG wire.

DIY Sheathed 4mm Banana Plug for Quick Wire Attachment



| Model# | Color |
|---------|-------|
| 73091-0 | Black |
| 73091-2 | Red |

Banana plug contact is sheathed for higher voltage and added protection.

Attach wires easily with a spring-loaded push-button tab for quick wire assembly.

Make 4mm banana plug test leads conveniently in the field.

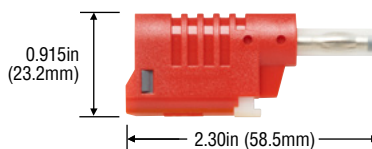
Material: *Contact:* nickel-plated brass/steel; *Insulation:* polypropylene/polyoxymethylene.

Rating: *CAT II 600 V/CAT III 300 V, 20A.

Accepts: 18-22 AWG wire.

*When plug is correctly assembled and terminated

DIY Retractable Sheath 4mm Banana Plug for Quick Wire Attachment, Stackable



| Model# | Color |
|---------|--------|
| 73093-0 | Black |
| 73093-2 | Red |
| 73093-4 | Yellow |
| 73093-5 | Green |
| 73093-6 | Blue |
| 73093-9 | White |

Retractable sheath allows for interfacing either sheathed or unsheathed 4mm banana jacks.

Stackable for chaining additional connections and test versatility

Attach wires easily with a spring-loaded push-button tab for quick wire assembly.

Material: *Contact:* nickel-plated brass/steel; *Insulation:* polyamide/polypropylene/polyoxymethylene.

Rating: 33 Vac/70 Vdc, 36A.

Accepts: 18-22 AWG wire.

Top Loading Binding Posts for Quick Wire Attachment



| Model# | Color |
|---------|-------|
| 73094-0 | Black |
| 73094-2 | Red |

Secure wires quickly.

Mounts are a #8 hole.

Great for any applications where a standard 5-Way or Spring Loaded Binding Post are used.

Material: *Body:* Nickel-plated brass; *Insulation:* Valox.

Rating: 33 Vac/70 Vdc, 15A; 1000 V. Maximum voltage for *hands free use:* 1000 V.

Do not use on circuits where transient stresses can exceed the rated voltage.

Accepts: up to 15 AWG wire gauge.

Panel Mount IEC61010 Banana Jacks for Sheathed Plugs

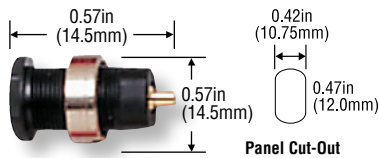
| Model# | Color | Terminal |
|---------|-------|------------------------------|
| 72912-0 | Black | Threaded Stud |
| 72912-2 | Red | - |
| 72913-0 | Black | Solder Tab |
| 72913-2 | Red | - |
| 72930* | - | Threaded Stud, Hexagonal Nut |



Material: Gold-plated nickel (72912 and 72913)
Rating: 1000V CAT III, 36A max.
***Std. Colors:** all except -3 orange, see below
 Sold in packages of 10 per color

Panel Mount IEC61010 4 mm (0.16in) Banana Jack for Sheathed Plugs

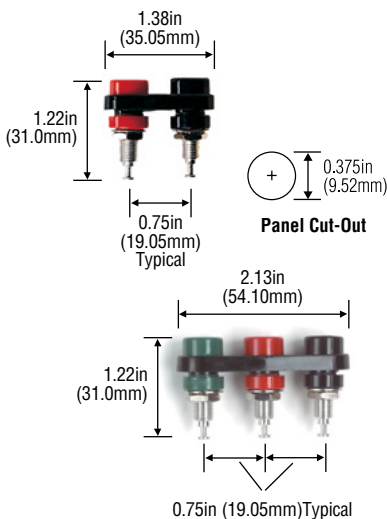
Model# 5931-*



Accepts flexible test lead sets 5907A, 5908A, 5909A available on page 68.
Max. Panel Thickness: 0.28in (7.0mm).
Insulation: Nylon.
Rating: 1000V CAT III per IEC61010-031 and IEC61010-1, 25A.
***Std. Colors:** -0 Black, -2 Red, -5 Green, -6 Blue, -9 White.
 Sold in pkgs. of 10 per color.

Panel Mount Banana Jacks with Mounting Base

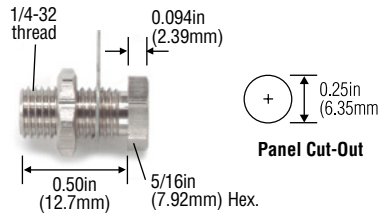
| Model# | Mounting Base |
|--------|------------------|
| 2269-* | Double |
| 5233-0 | Double High-Temp |
| 4601-0 | Triple |



Mounts in panels from 0.063in (1.60mm) to 0.375in (9.53mm) thick. One black, one red. Triple has green.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.
Temp: +239F (+115°C) [5233-0: +220°F (+428°C)].
***Mounting base color:** -0 Black, -2 Red.
 Replacement hex nuts available on page 39.

Uninsulated Banana Jack

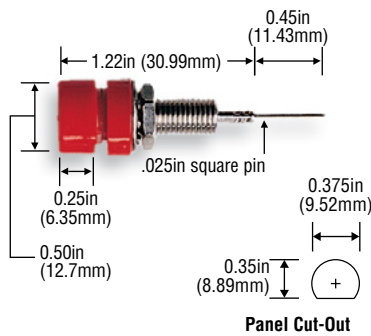
Model# 3267



Fits standard banana plug.
Material: nickel-plated brass.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.
 Replacement hex nuts available on page 39.

Banana Jack with Wire Wrap Terminal

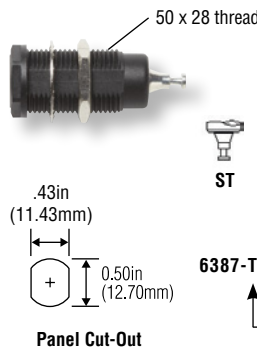
Model# 4005-*



Material: Jack: nickel-plated brass; Terminal: gold-plated phosphor bronze; Insulation: polycarbonate.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.
***Std. Colors:** -0 Black, -2 Red.
 Sold in pkgs. of 10 per color.
 Replacement hex nuts available on page 39.

Panel Mount Banana Jacks for Sheathed Plugs

| Model# | Std. Colors |
|-------------|------------------|
| 6387-ST-T-* | -0 Black, -2 Red |



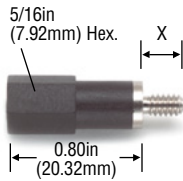
These banana jacks fit most DMM plugs and all sheathed Pomona plugs. Available with several different terminals. Threaded and press-in style.
Rating: Designed to meet IEC61010 CAT III 1000 Vrms., 15A.
 Sold in packages of 10.
 Comes with Hex Nut and Lock Washer.
 Replacement hex nuts available on page 39.

| | |
|------------------------|--------------------|
| Color Options: | -0 Black, -2 Red. |
| Plating Option: | T = Tin |
| Terminal Type: | ST = Solder Turret |

Banana Plugs and Jacks

Terminal Strip Banana Jack Adapter

| Model# | Thread | Vrms | Torque In/Lb | X Stud Length |
|--------|--------|------|--------------|-----------------|
| 5699-* | 6-32 | 1100 | 7 | 0.25in (6.35mm) |
| 5700-* | 8-32 | 1600 | 16 | 0.32in (8.13mm) |
| 5701-* | 10-32 | 1700 | 25 | 0.32in (8.13mm) |



This adapter provides a banana jack connection by replacing the screw in a terminal strip. Secure connections can be made with standard banana plug patch cords without breaking the connection to the terminal strip. Banana jack 0.166in (4.22mm) dia.

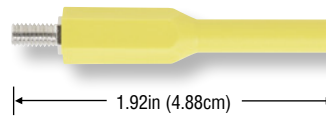
Material: Banana Jack: nickel-plated brass; **Insulation:** Nylon.

***Std. Colors:** -0 Black, -2 Red, -3 Orange, -4 Yellow, -9 White.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: (see chart for Vrms for each model#). Do not use on circuits where transient stresses can exceed the rated voltage. 25A, +216°F (+102°C) max.

Terminal Strip Banana Jack Adapter

| Model# | Thread | Torque In/Lb | Length |
|---------|--------------|--------------|-----------------|
| 73084-* | 6-32 male | 7 | 1.92in (4.88cm) |
| 73085-* | 10-32 male | 20 | 1.92in (4.88cm) |
| 73086-* | 10-32 female | 20 | 1.54in (3.91cm) |
| 73088-* | 8-32 male | 16 | 1.92in (4.88cm) |



Easily connect safety sheathed banana plug test leads to terminal strips via this Terminal Strip Banana Jack Adapter.

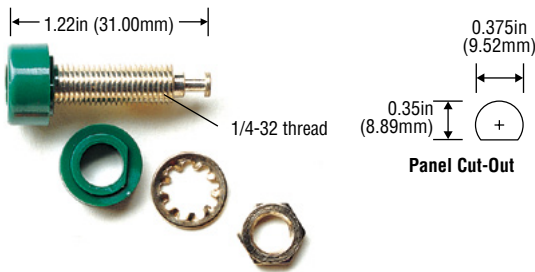
Material: Contacts: nickel-plated brass, **Insulation:** polypropylene.

***Std. Colors:** -0 Black, -2 Red, -4 Yellow, -6 Blue.

Rating: For CE Compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 600 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, -10° C to +80° C (+14° F to 176° F).

Panel Mount Banana Jack

| Model# | Plating | Insulation | Std. Colors |
|--------|------------|-----------------------|---|
| 1581-* | Bright tin | Polycarbonate | -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White |
| 2854-* | Gold | Polycarbonate | -0 Black, -1 Brown, -2 Red, -4 Yellow, -5 Green, -6 Blue, -8 Gray, -9 White |
| 4900-* | Bright tin | Polyphenylene Sulfide | -0 Black, -6 Blue |



Mounts in panels ranging in thickness from 0.063in (1.60mm) to 0.375in (9.53mm).

Material: Brass.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc.

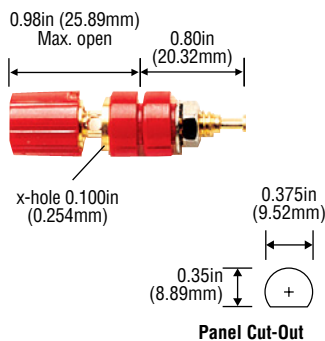
Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max. (Model 4900, +428°F (+220°C) max.).

Mounting Bases and replacement hex nuts available on page 39.

Sold in pkgs. of 10 per color.

Binding Posts

| Model# | Material |
|--------|------------------------------|
| 3750-* | Gold-plated brass |
| 3760-* | Bright tin-plated brass |
| 3770-* | Gold-plated tellurium copper |



Insulation: Polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

***Std. Colors:** 3750 and 3760: all 10 colors. 3770: -0 Black, -2 Red.

Sold unassembled.

Binding Post with Double Mounting

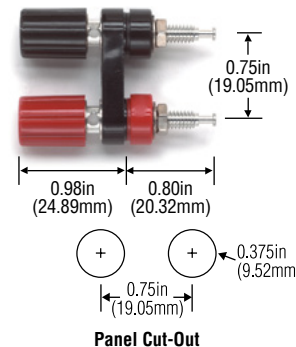
Model# 4243-*

Accepts standard banana plugs and 0.080in (2.03mm) pin tips, wires and probe tips in 0.10in (2.54mm) cross-hole. One black and one red binding post.

Material: Binding Post: bright tin-plated brass; **Insulation:** polycarbonate.

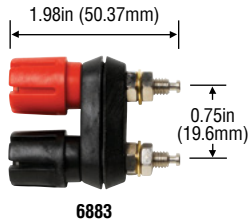
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

***Mtg. Base Colors:** -0 Black, -2 Red.



Dual Binding Posts

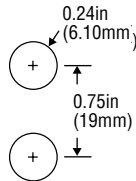
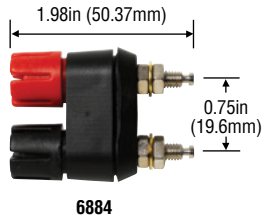
| Model# | Base |
|--------|-------------|
| 6883 | Standard |
| 6884 | Raised Base |



5-way binding post with 3.91 mm (0.154 in) cross-hole that accepts up to 12 AWG wire and standard banana plugs. Posts are spaced at the standard 3/4 inch spacing to mate to dual banana plugs.

Material: Binding Post: nickel-plated brass.

Rating: 30A current.



Panel Cut-Out for 6883/6884

Hex Head Binding Post

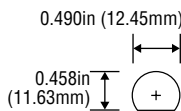
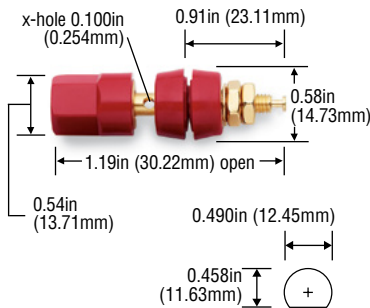
Model# 5018-*

Meets MIL-P-55149/1A.

Material: Binding Post Body, Nuts, Lockwasher: gold-plated brass; Insulation: Nylon MIL-P-20693.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 30A, +176° (+80°C) max.

***Std. Colors:** -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White.



Panel Cut-Out

Spring Loaded Binding Post

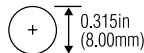
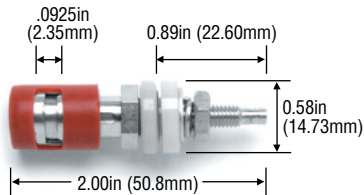
Model# 4995-*

Meets MIL-P-55149/8.

Silicone rubber O-rings provide water resistant seal when mounted in panels from 0.062in to 0.125in (15.75mm to 3.18mm) thick.

Material: Nickel-plated brass.

***Std. Colors:** -0 Black, -2 Red.



Panel Cut-Out

Spring Loaded Binding Post

Model# 4770-*

Mounts in panels from 0.06in (1.6mm) to 0.38in (9.53mm) thick.

Accepts wires or plugs up to 0.08in (2.16mm) dia. with insulation up to 0.16in (4.06mm).

Material: Body: tin plated brass; Insulation: polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 630 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

***Std. Colors:** -0 Black, -2 Red.



Shorting Link for Standard Binding Posts

Model# 4115

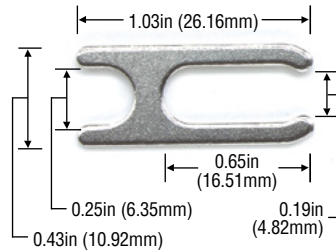
Solid shorting link for binding posts.

Material: nickel-plated brass.

Rating: 15A.

Sold in pkgs. of 10.

Fits Binding Posts on 0.750in (19.05mm) centers.



Miniature Double Banana Plug with Set Screws, Stackable, Solderless

Model# 2244-*

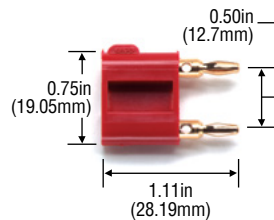
Internal set screws secure cable up to 0.15in (3.81mm) dia. or components.

Plugs fit miniature 0.104in (2.64mm) dia. jacks.

Material: Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

***Std. Colors:** -0 Black, -2 Red.



Banana Plugs and Jacks

Miniature Solderless Type Triple Banana Plug with Wire Guide

Model# 4653-0

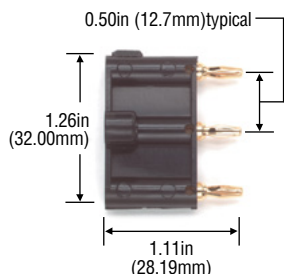
Use for balanced line 2 conductor shielded cable assemblies.

Material: *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

Cable strain relief I.D. 0.19in (4.82mm).

Setscrews secure wires.



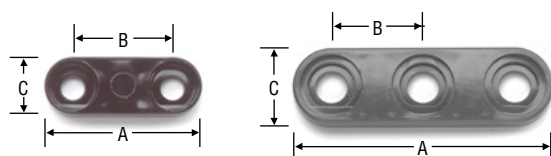
Replacement Hex Nuts



| Model# | Qty. | Finish | Wrench Size | Nut Thickness | Thread |
|--------|------|--------|-------------|------------------|--------|
| 6549 | 500 | Nickel | 3/16in | 0.65in (16.51mm) | 4-40 |
| 6547 | 500 | Nickel | 1/4in | 0.95in (24.13mm) | 6-32 |
| 6440 | 500 | Nickel | 1/4in | 0.95in (24.13mm) | 8-32 |
| 6548 | 100 | Gold | 3/8in | 0.95in (24.13mm) | 10-32 |
| 6441 | 500 | Nickel | 3/8in | 0.95in (24.13mm) | 1/4-32 |
| 6389 | 100 | Nickel | 9/16in | 0.95in (24.13mm) | 1/2-28 |

| Hex Nut | 6549 | 6547 | 6440 | 6548 | 6441 | 6389 |
|---------|------|------|------|------|------|------|
| Fits on | 3276 | 3263 | 2142 | 3770 | 5018 | 1581 |
| | 4513 | 4511 | 2143 | 4022 | | 2269 |
| | | 6271 | 2382 | 4098 | | 2854 |
| | | | 2383 | 4243 | | 3267 |
| | | | 2439 | 4512 | | 4005 |
| | | | 2440 | 4543 | | 4069 |
| | | | 3264 | 4773 | | 4601 |
| | | | 3542 | 6272 | | 4900 |
| | | | 3750 | | | 5233 |
| | | | 3760 | | | 6270 |

Binding Post/Banana Jack Mounting Bases



For binding post models 3750, 3760, 3770

| Model# | Type | Used with | A | B | C |
|--------|--------|---------------|------------------|------------------|------------------|
| 3862-* | Double | Standard | 1.19in (30.22mm) | 0.75in (19.05mm) | 0.44in (11.18mm) |
| 3863-* | Triple | Binding Posts | 1.94in (49.28mm) | 0.75in (19.05mm) | 0.44in (11.18mm) |
| 4619-* | Double | Miniature | 0.87in (22.09mm) | 0.50in (12.70mm) | 0.38in (9.65mm) |
| 4614-* | Triple | Banana Jacks | 1.38in (35.05mm) | 0.50in (12.70mm) | 0.38in (9.65mm) |
| 4654-* | Double | Standard | 1.38in (35.05mm) | 0.75in (19.05mm) | 0.63in (16.00mm) |
| 4590-* | Triple | Banana Jacks | 2.13in (54.10mm) | 0.75in (19.05mm) | 0.63in (16.00mm) |

Mount banana jacks and binding posts at standard 0.75in (19.05mm) spacing.

Material: polycarbonate

Rating: +239°F (+115°C) Max.

*Std. Colors: -0 Black.

Sold in pkgs. of 10.

Miniature Solder Type Banana Plug

| Model# | Insulator Length (X) |
|--------|----------------------|
| 3690-* | 0.45in (11.43mm) |

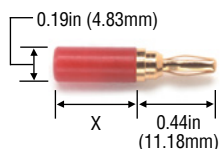
Sold in pkgs. of 10

Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* nylon.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +176°F (+80°C) max.

*Std. Colors: -0 Black, -2 Red.

Fits miniature 0.104in (2.64mm) dia. banana jacks.



Miniature Banana Plug with Threaded Stud

| Model# | X Length |
|--------|-------------------|
| 3276 | 0.230in (5.84mm) |
| 4513 | 0.480in (12.19mm) |

Fits miniature 0.104in (2.64mm) dia. banana jacks.

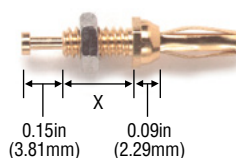
Furnished with 4-40 hex nut, 4-40 threaded stud.

Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.

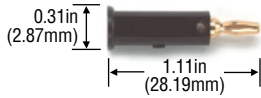
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

Replacement hex nut available on page 39.

Sold unassembled, in pkgs. of 10.



**Do-It-Yourself
Miniature Banana
Plug, Stackable,
Solderless**



Model# 2944-*

Fits miniature 0.104in (2.64mm) dia. banana jacks.

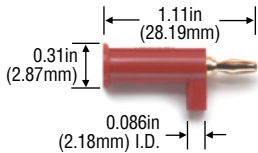
Wire firmly held in place with internal set screw.

Material: *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

**Do-It-Yourself
Miniature Banana
Plug with Safety
Shield, Stackable,
Solderless**



Model# 2945-*

Fits miniature 0.104in (2.64mm) dia. banana jacks.

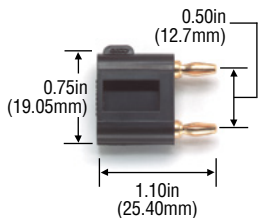
Wire firmly held in place with internal set screw.

Material: *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

**Miniature Double
Banana Plug with
Shorting Bar**



Model# 2035-*

Plugs fit miniature 0.104in (2.64mm) dia. banana jacks.

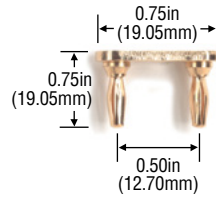
Banana plugs internally shorted with 18 AWG wire.

Material: *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS.

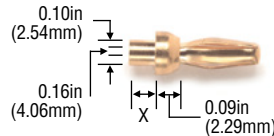
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

**Miniature Double
Banana Plug
Shorting Bar**



**Miniature Rivet
Type Banana Plug**



Model# 3030

Center hole accepts 4-40 screw.

Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.

Rating: 5A. Resistance less than 1.5 mΩ.

Fits Miniature Binding Posts and Miniature Banana Jacks on 0.5in (12.70mm) centers.

| Model# | Panel | X Dim. |
|--------|------------------|------------------|
| 3268 | 0.062in (1.57mm) | 0.094in (2.39mm) |
| 3271 | 0.093in (2.36mm) | 0.125in (3.17mm) |
| 3272 | 0.125in (3.17mm) | 0.156in (3.96mm) |

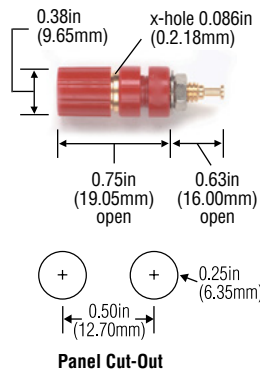
Fits miniature 0.104in (2.64mm) dia. banana jacks.

Material: *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

Sold in pkgs. of 10.

**Miniature Binding
Post**



| Model# | Plating |
|--------|---------|
| 2382-* | Gold |
| 2439-* | Tin |

Accepts miniature banana plug.

8-32 hex nut and lockwasher included.

Material: *Binding Post Body, Nut:* brass; *Lockwasher:* steel; *Insulation:* polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

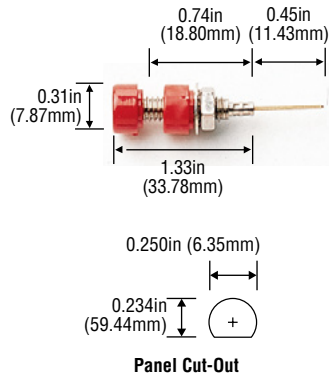
*Std. Colors: -0 Black, -2 Red.

Replacement hex nuts available on page 39.

Banana Plugs and Jacks

Miniature Banana Jack with Wire Wrap Terminal

Model# 4022-*



Accepts miniature banana plugs.
Mounts in panels up to 0.250in (6.35mm) thick.

Material: Jack: nickel-plated brass; Terminal: gold-plated phosphor bronze; Insulation: polycarbonate.

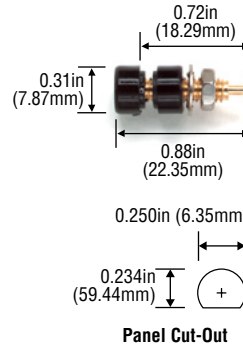
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

*Std. Colors: -0 Black, -2 Red.

Sold unassembled, in pkgs. of 10.

Miniature Banana Jack, Panel Mount

Model# 2142-*



Accepts miniature banana plugs. Mounts in panels up to 0.250in (6.35mm) thick.

Material: gold-plated brass; Insulation: polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

*Std. Colors: -0 Black, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -9 White.

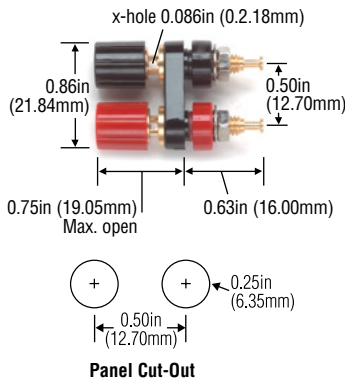
Uses hex nut 6440.

Replacement hex nuts available on page 39.

Sold unassembled, in pkgs. of 10 per color.

Miniature Insulated Binding Post with Double Mounting Base

| Model# | Plating |
|--------|---------|
| 2383-* | Gold |
| 2440-* | Tin |



Accepts miniature banana plugs.
8-32 hex nut and lockwasher included.

Material: Binding Post Body, Nut: brass; Lockwasher: steel; Insulation: polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

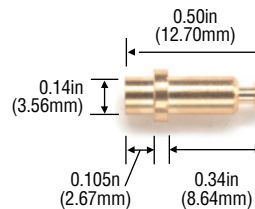
*Mounting Base Colors: -0 Black, -2 Red.

*Std. Colors: 2383: -0 Black, -2 Red. 2440: -0 Black.

Replacement hex nuts available on page 39.

Miniature Rivet Type Banana Jack with Turret

Model# 3277



Accepts miniature banana plugs.

Mounts in panels up to 0.062in (1.57mm) thick.

Material: Gold-plated brass.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

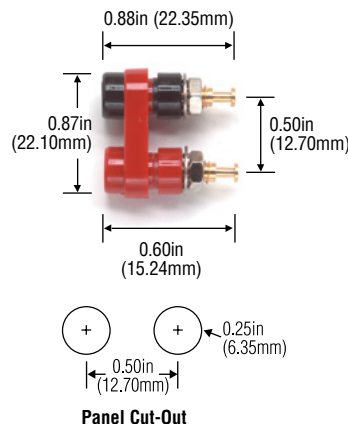
Sold in pkgs. of 10.

Rec. Mounting Hole: .140 ± .002 (9/64 drill).

Panel Thickness: 0.062in (1.57mm)

Miniature Banana Jack in Double Mounting Base, Panel Mount

Model# 2143-*



Accepts miniature banana plugs. Mounts in panels up to 0.188in (4.78mm) thick.

Material: gold-plated brass; Insulation: polycarbonate.

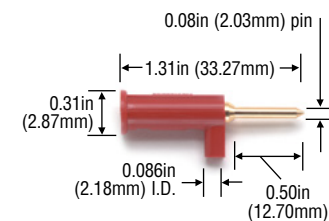
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

*Std. Mounting Base Colors: -0 Black, -2 Red.

Colors: One black and one red jack.

Do-It-Yourself Pin Tip Plug with Safety Shield, Stackable, Solderless

Model# 3548-*



Accepts miniature banana plug.

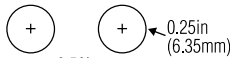
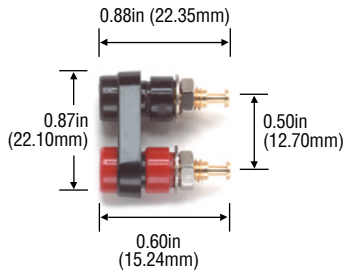
Wire firmly held in place with internal set screw.

Material: Pin Tip Plug/Jack: gold-plated brass; Insulation: ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Pin Tip Jacks with Double Mounting Base



Panel Cut-Out

Model# 4543-*

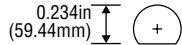
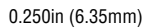
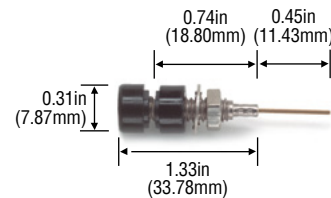
Accepts 0.08in (2.03mm) dia. pin.
Max. panel thickness 0.188in (4.78mm).

Material: *Jack:* gold-plated brass; *Spring:* beryllium copper; *Insulation:* polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

***Mtg. Base Colors:** -0 Black, -2 Red.

Insulated Pin Jack with Wire Wrap Terminal



Panel Cut-Out

Model# 4773-*

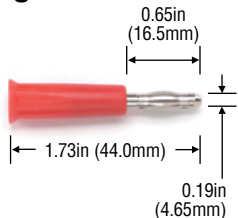
Accepts 0.080in (2.03mm) dia. pin.
Max. panel thickness 0.25in (6.35mm).

Material: *Jack:* nickel-plated brass; *Spring:* gold-plated beryllium copper; *Terminal:* gold-plated phosphor bronze; *Insulation:* polycarbonate.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

***Std. Colors:** -0 Black, -2 Red, -6 Blue, -9 White.

Do-It-Yourself In-Line 4mm (0.16in) Banana Plug



Model# 5934-*

Wire connection by set screw. Accepts 18, 20 and 22 AWG wire.

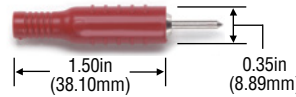
Material: *Insulation:* Nylon.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 750 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 25A.

***Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10 per color.

Do-It-Yourself .080in (20.32mm) Dia. Pin Tip Plug with Flexible Boot, Solder or Crimp



| Model# | Accepts Wire AWG |
|--------|------------------|
| 5173-* | 22, 20, 18 |

Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to pin tip plug.

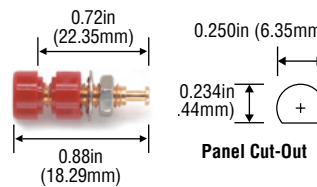
Material: nickel-plated brass.

Accepts 18-22 AWG wire.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

***Std. Colors:** Available in 10 colors.

Pin Tip Jack



Panel Cut-Out

Model# 3542-*

Accepts 0.080in (2.03mm) dia. pin.

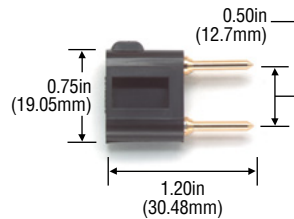
Jack: gold-plated brass; **Spring:** beryllium copper; **Insulation:** polycarbonate.

For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

-0 Black, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -9 White.

Sold in pkgs. of 10.

Double Pin Tip Plug with Shorting Bar



Model# 3452-*

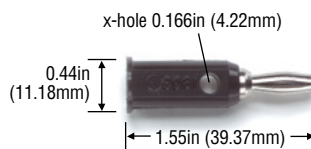
Accepts pin tip plugs. Internally shorted with 20 AWG wire. Use as connecting link for 0.50in (12.70mm) spaced pin tip jacks.

Pin Tip Plug/Jack: brass; **Spring:** beryllium copper; **Finish:** gold plating; **Insulation:** ABS.

For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

-0 Black, -2 Red.

Pin Tip Jack to Banana Plug



Model# 1809-*

Accepts 0.080in (2.03mm) pin tip plug or probe tip. Fits standard 0.166in (4.22mm) dia. banana jack.

Material: gold-plated beryllium copper.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

***Std. Color:** -0 Black, -2 Red.

Sold in pkgs. of 10.

Banana Plugs and Jacks

Banana Jack to Pin Tip Plug

Model# 1432-*

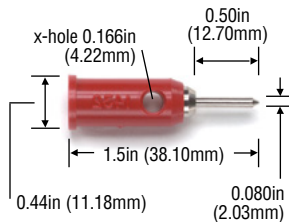
Use to mate standard banana plug patch cords to equipment having pin jacks.

Material: *Jack/Plug:* nickel-plated brass; *Insulation:* polypropylene.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Sold in pkgs. of 10.



Banana Jack to Miniature Banana Plug

Model# 2138-*

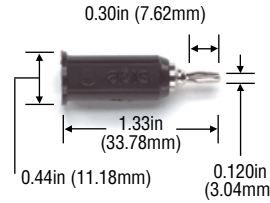
Use to mate standard 0.166in (4.22mm) dia. banana plug to equipment having miniature banana jacks.

Material: *Jack:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Color: -0 Black, -2 Red.

Sold in pkgs. of 10.



Banana Jack to .080in (2mm) Dia. Pin Tip Jack

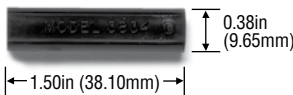
Model# 3834-*

Adapts standard 0.166in (4.22mm) dia. banana plug to 0.080in (2.03mm) dia. pin tip plug.

Material: *Banana Jack:* nickel-plated brass; *Pin Jack:* gold-plated beryllium copper; *Insulation:* polypropylene.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

*Std Colors: -0 Black.



2mm Banana Plug

Model# 5936-*

Solder type wire connection.

Accepts 18-22 AWG wire.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 500 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, ≤ 2 mΩ.

*Std. Colors: -0 Black, -2 Red.

Assembled Length: 1.07in (27.2 mm).

Sold unassembled, in pkgs. of 10 per color.

Not compatible with Miniature Banana Plug or Pin Tip.



2mm Banana Jack

Model# 5935-*

Max. Panel Thickness: 0.31in (8mm).

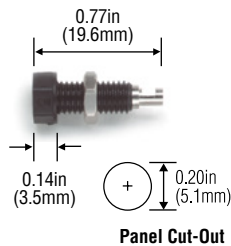
Material: *Insulation:* nylon; *Finish:* nickel plating.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, ≤ 2 mΩ.

*Std. Colors: -0 Black.

Sold in pkgs. of 10 per color.

Not compatible with Miniature Banana Plug or Pin Tip.



Binding Post to Banana Plug

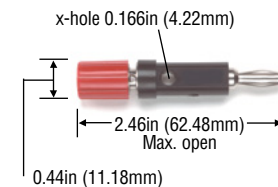
Model# 2894-*

Features insulated binding post for rapid mounting and interchangeability of components. Accepts standard banana plug. Center cross hole 0.166in (4.22mm) dia. provides side stackup connection.

Material: *Binding Post/Banana Plug Body:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* polypropylene

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Binding Post Colors: -0 Black, -2 Red.



Double Banana Plug with Binding Posts, Stackable, Solderless

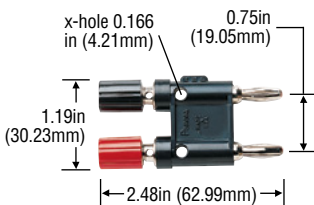
| Model# | Plating |
|--------|---------|
| 1286 | Nickel |
| 5405 | Gold |

Features insulated binding posts on 0.750in (19.05mm) centers for rapid mounting and interchangeability of components. Center cross hole 0.166in (4.22mm) dia. provides side stackup connection.

Material: *Binding Post/Banana Plug Body:* brass; *Spring:* beryllium copper; *Insulation:* ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

Color: Black.



Insulated Double Banana Plug Shorting Bar with Binding Post

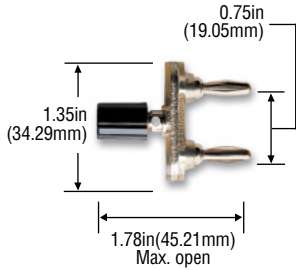
Model# 5165-*

Fits standard banana jack.
Shorting bar is completely insulated in clear ABS thermoplastic.

Material: Binding Post/Banana Plug Body/Shorting Bar: nickel-plated brass; Spring: nickel-plated beryllium copper; Insulation: polycarbonate.

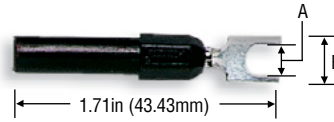
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Binding Post Colors: -0 Black, -2 Red.



Spade Lug to DMM Banana Jack

| Model# | A | B | Lug Size |
|---------|-----------------|-----------------|----------|
| 3744A-* | 0.14in (3.56mm) | 0.24in (6.10mm) | 4, 5, 6 |
| 3777A-* | 0.2in (5.0mm) | 0.30in (7.7mm) | 8, 10 |



Plugs into DMM leads. Permits DMM leads to be used with equipment having barrier strips, or binding post.

Material: Banana Jack: nickel-plated brass; Spade Lug: tin-plated copper; Insulation: polypropylene.

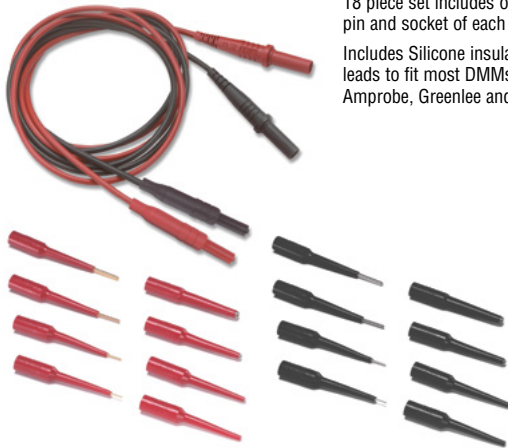
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red, -02 Set of one black and one red.

Test Connector Adapter Set

Model# 6481

Full set of pin and socket adapters.
18 piece set includes one black and red pin and socket of each size.
Includes Silicone insulated 4ft (1.21m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.



Low Thermal EMF Insulated Spade Lug to Banana Jack

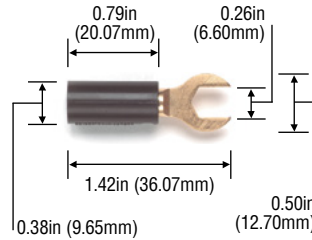
Model# 2305

Special alloy and plating preserve the accuracy of low voltage measurement equipment. Thermal effects are minimized. Heavy construction for minimum voltage loss. Mates with low voltage banana plug patch cords and binding posts.

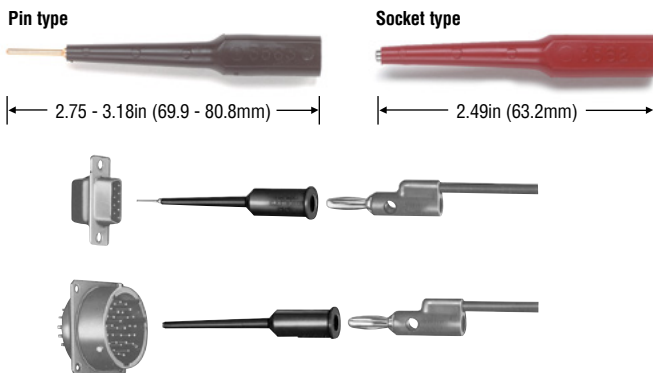
Material: Jack and Spade Lug: gold-plated tellurium copper; Insulation: ABS.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

Set of one red and one black.



Connector Test Adapters



| Model# | AWG | Contact Size | Type | Current Rating |
|--------|-----|------------------|--------|----------------|
| 4690-* | 22 | 0.030in (0.76mm) | Socket | 3A |
| 4691-* | | | Pin | |
| 3560-* | 20 | 0.040in (1.02mm) | Socket | |
| 3561-* | | | Pin | |
| 3562-* | 16 | 0.063in (1.60mm) | Socket | |
| 3563-* | | | Pin | |
| 3564-* | 12 | 0.093in (2.36mm) | Socket | |
| 3565-* | | | Pin | |

An ideal test adapter for rapid testing of the hard-to-get at contacts of multi-pin/socket connectors. Flexible tip allows testing of adjacent contacts. Flexibility and full insulation protects against shorting or contact damage. Model 4690 also fits 0.025in (0.63mm) sq. pins.

Material: Banana Jack: nickel-plated brass; Socket: gold-plated copper; Pin: gold-plated brass; Insulation: PVC.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Patch Cords and Test Leads

Pomona has made it easy for you to have exactly what you need with a huge selection of patch cords and test leads designed for reliable, convenient connections. Whether you need a test lead that can access an IC pin without shorting or a patch cord that accommodates multiple stacking, Pomona Electronics' design and reliability are your connection with quality.

Wire Specifications

| Wire Designation | AWG | Description | O.D. | Jacket | Temperature Range | Color |
|------------------|-----|------------------|------------------|----------|------------------------------|-------------------|
| B | 18 | 65/36 copper | 0.144in (3.66mm) | PVC | -4 to 221°F (-20 to +105°C) | 10 Colors |
| Silicone | 18 | 65/36 copper | 0.144in (3.66mm) | Silicone | -58 to 302°F (-50 to +150°C) | Black and Red |
| P | 20 | 41/35 copper | 0.087in (2.20mm) | PVC | -4 to 221°F (-20 to +105°C) | 10 colors |
| PTO | 22 | 26/36 copper | 0.064in (1.62mm) | PVC | -4 to 221°F (-20 to +105°C) | 10 colors |
| | 12 | 7 x 38/36 copper | 0.144in (3.66mm) | PVC | 140°F (+60°C) | Black, Red, Green |

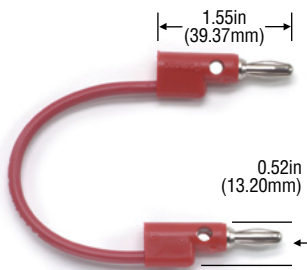
How To Order

Typical Pomona Part Number: **3781-24-2**

Lead Length in Inches
(Measured Inside Connectors)

Specify Color

Multi-Stacking Banana Plug Patch Cord



| Model# | Length |
|--------|-------------|
| B-4-* | 4in (0.1m) |
| B-8-* | 8in (0.2m) |
| B-12-* | 12in (0.3m) |
| B-18-* | 18in (0.5m) |
| B-24-* | 24in (0.6m) |
| B-36-* | 36in (0.9m) |
| B-48-* | 48in (1.2m) |
| B-60-* | 60in (1.5m) |
| B-72-* | 72in (1.8m) |

Model B: Multi-Stacking Banana Plug Patch Cord features a nickel-plated finish.

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

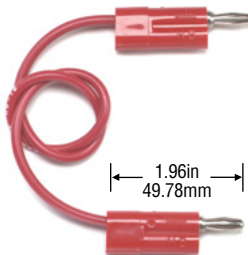
***Std. Colors:** Available in 10 Colors.

| Model# | Length | Special Features |
|-----------|-------------|--------------------|
| 2948-12-* | 12in (0.3m) | Gold-plated finish |
| 2948-24-* | 24in (0.6m) | |
| 2948-36-* | 36in (0.9m) | |
| 2948-48-* | 48in (1.2m) | |
| 2948-60-* | 60in (1.5m) | |

Model 2948 Multi-Stacking Banana Plug Patch Cord features a gold-plated finish.

***Std. Colors:** -0 Black, -2 Red.

Horizontal Stacking Banana Plug Patch Cord



| Model# | Length |
|---------|-------------|
| HB-12-* | 12in (0.3m) |
| HB-24-* | 24in (0.6m) |
| HB-36-* | 36in (0.9m) |
| HB-48-* | 48in (1.2m) |
| HB-60-* | 60in (1.5m) |

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

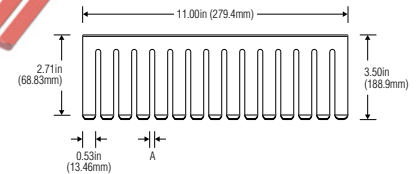
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

***Std. Colors:** -0 Black, -2 Red.

Test Lead Holders



| Model# | Color | "A" Max Cable Dia. | Number of Slots |
|--------|--------|--------------------|-----------------|
| 1508 | Orange | 0.210in (5.33mm) | 14 |
| 4408 | Black | 0.320in (8.13mm) | 10 |
| 2708 | Blue | 0.450in (11.43mm) | 9 |



Multi-stacking Sheathed (4mm) Banana Plug Patch Cord



Model# 6727-*

4ft (1.2 meter) stackable safety lead.

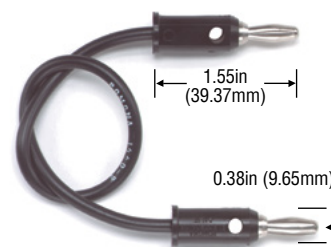
Material: Contacts: nickel-plated brass; Wire: multi-strand copper,

Insulation: silicone.

Rating: IEC61010 1000V CAT III, 20A max (10A cont.), 14 to 131°F (-10 to +55°C).

***Std. Colors:** -0 Black only, -2 Red only.

Cross Stacking Banana Plug Patch Cord



| Model# | Length |
|-----------|-------------|
| 1440-12-* | 12in (0.3m) |
| 1440-18-* | 18in (0.5m) |
| 1440-24-* | 24in (0.6m) |
| 1440-36-* | 36in (0.9m) |
| 1440-48-* | 48in (1.2m) |
| 1440-60-* | 60in (1.5m) |

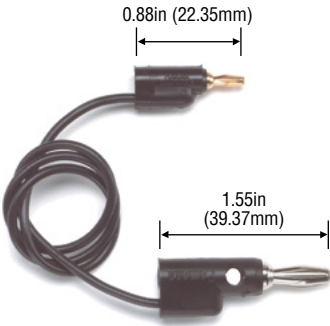
Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

***Std. Colors:** -0 blk, -2 red.

Multi-Stacking Banana Plug to Miniature Stacking Banana Plug

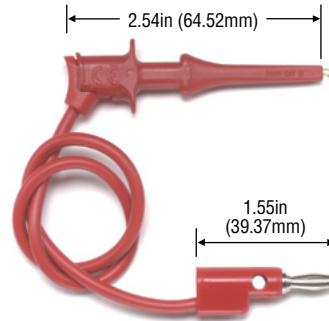
| Model# | Length |
|-----------|-------------|
| 3014-36-* | 36in (0.9m) |
| 3014-60-* | 60in (1.5m) |



Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.
***Std. Colors:** -0 Black, -2 Red.

Multi-Stacking Banana Plug to Minigrabber® Test Clip

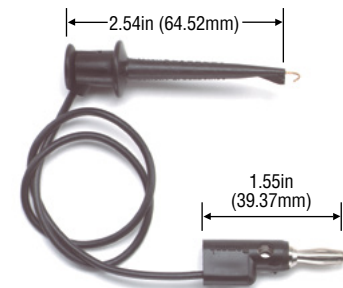
| Model# | Length |
|-----------|-------------|
| 6249-12-* | 12in (0.3m) |
| 6249-24-* | 24in (0.6m) |
| 6249-36-* | 36in (0.9m) |



Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.
Cable: 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.
***Std. Colors:** -0 Black, -2 Red.

Multi-Stacking Banana Plug to Minigrabber® Test Clip

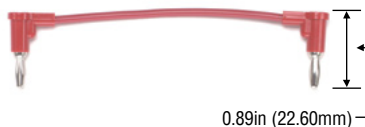
| Model# | Length |
|-----------|-------------|
| 3782-12-* | 12in (0.3m) |
| 3782-24-* | 24in (0.6m) |
| 3782-36-* | 36in (0.9m) |
| 3782-48-* | 48in (1.2m) |
| 3782-60-* | 60in (1.5m) |



Hook attaches to component leads up to 0.060in (1.52mm) O.D.
Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.
***Std. Colors:** -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue.

Right Angle Stacking Banana Plug Patch Cord

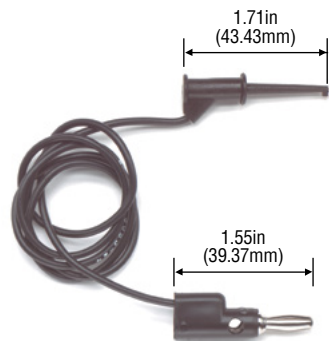
| Model# | Length |
|-----------|-------------|
| 2864-24-* | 24in (0.6m) |



Cable: 18 AWG Wire, 0.14in (3.56mm) O.D.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.
***Std. Colors:** -0 Black, -2 Red.

Multi-Stacking Banana Plug to Micrograbber® Test Clip

| Model# | Length |
|-----------|-------------|
| 5053-24-* | 24in (0.6m) |
| 5053-36-* | 36in (0.9m) |
| 5053-48-* | 48in (1.2m) |



Hook attaches to components up to 0.040in (1.02mm) O.D.
Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +131°F (+55°C) max.
***Std. Colors:** -0 Black, -2 Red.

Minigrabber® Test Clip with Sheathed

| Model# | Plug Type | Ratings |
|-----------|----------------------|--------------------------|
| 6248-12-* | Sheathed Banana Jack | IEC61010-031 CAT II 300V |



Test Lead Extender.
 Silicone insulated 1ft (0.3m) leads fit on the end of modular test leads such as Pomona 5907A.
Std. Colors: -0 Black, -2 Red.

Patch Cords and Test Leads

Minigrabber® Test Clip Leads



6244



6245

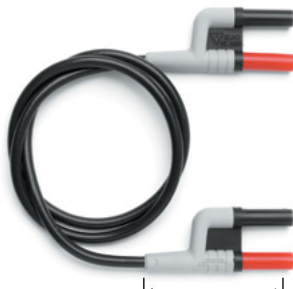
| Model# | Plug Type | Ratings |
|-----------|-----------------|-------------|
| 6244-48-* | Right-angle DMM | CAT II 300V |
| 6245-48-* | Straight DMM | CAT II 300V |

Silicone insulated 4ft (122m) leads fit most meters from Fluke, Wavetek (Meterman), HP, Amprobe, Greenlee and others

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

*Std. Colors: -0 Black, -2 Red

Double Banana Plug with Safety Shrouds



2.53in (64.28mm)

| Model# | Length |
|-----------|-------------|
| 6283-C-36 | 36in (0.9m) |
| 6283-C-48 | 48in (1.2m) |
| 6283-C-60 | 60in (1.5m) |

Fits Digital Multi-meters and other instruments with shrouded jacks.

Offset design designates hot and ground leads.

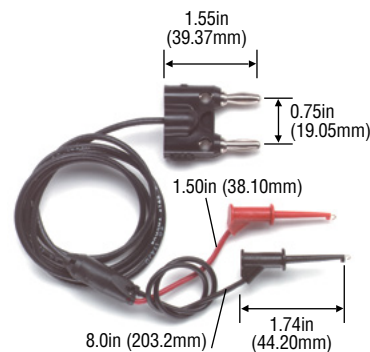
Black and red banana plug shrouds.

Molded strain relief for long life.

MIL spec coaxial cable.

Overvoltage CAT II, 600V, 5A per IEC61010-031.

Double Banana Plug to Micrograbber® Test Clips



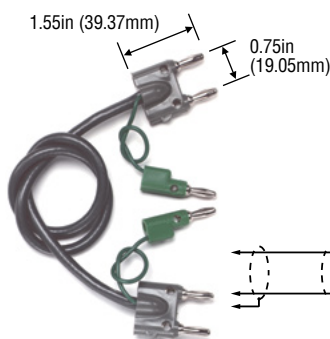
8.0in (203.2mm) 1.74in (44.20mm)

| Model# | Length |
|-----------|-------------|
| 4768-K-24 | 24in (0.6m) |
| 4768-K-36 | 36in (0.9m) |
| 4768-K-48 | 48in (1.2m) |
| 4768-K-60 | 60in (1.5m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.

Two Conductor shielded Balanced Line



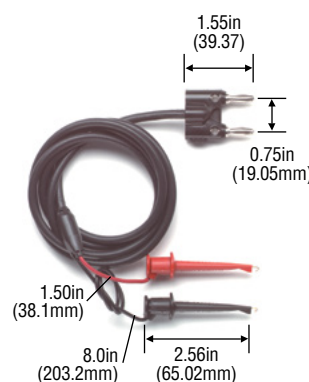
1.55in (39.37mm) 0.75in (19.05mm)

| Model# | Length |
|---------|-------------|
| 1167-18 | 18in (0.5m) |
| 1167-24 | 24in (0.6m) |
| 1167-36 | 36in (0.9m) |
| 1167-48 | 48in (1.2m) |
| 1167-60 | 60in (1.5m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

Cable Type I: See chart on page 7 for additional cable specifications.

Multi-Stacking Double Banana Plug to Minigrabber® Test Clips



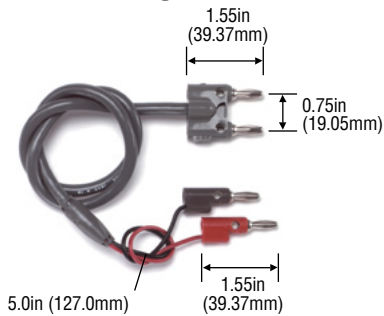
8.0in (203.2mm) 2.56in (65.02mm)

| Model# | Length |
|-----------|-------------|
| 3786-C-18 | 18in (0.5m) |
| 3786-C-24 | 24in (0.6m) |
| 3786-C-36 | 36in (0.9m) |
| 3786-C-48 | 48in (1.2m) |
| 3786-C-60 | 60in (1.5m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.

Multi-Stacking Double to Multi-Stacking Single Banana Plugs

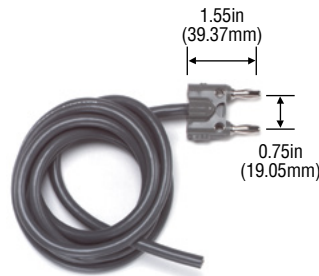


| Model# | Length |
|-----------|-------------|
| 1368-A-18 | 18in (0.5m) |
| 1368-A-24 | 24in (0.6m) |
| 1368-A-36 | 36in (0.9m) |
| 1368-A-48 | 48in (1.2m) |
| 1368-A-60 | 60in (1.5m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.

Multi-Stacking Double Banana Plug, One End Only



| Model# | Length |
|-----------|-------------|
| 1326-A-60 | 60in (1.5m) |
| 1326-C-60 | 60in (1.5m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: A: 300 Vrms, C: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

See chart on page 7 for additional cable specifications.

Multi-Stacking Banana Plug to SMD Grabber® Test Clip



| Model# | Length |
|-----------|-------------|
| 5302-12-* | 12in (0.3m) |
| 5302-24-* | 24in (0.6m) |
| 5302-36-* | 36in (0.9m) |

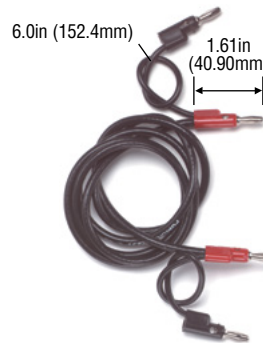
Pincer Opening: 0.040in (1.02mm).

Cable: 22 AWG Wire, 0.064in (1.63mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 0.5A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

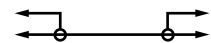
Multi-Stacking Banana Plugs, Two Each End



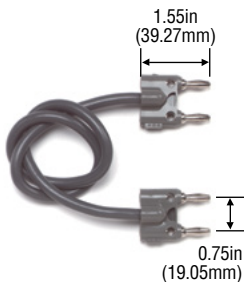
| Model# | Length |
|-----------|-------------|
| 2239-C-24 | 24in (0.6m) |
| 2239-C-36 | 36in (0.9m) |
| 2239-C-48 | 48in (1.2m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

See chart on page 7 for additional cable specifications.



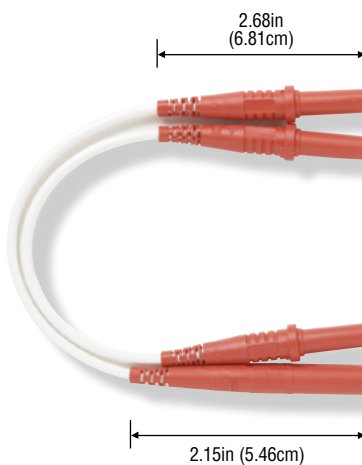
Multi-Stacking Double Banana Plug Cables



| Model# | Cable Type | Length |
|--------|--|-------------|
| 2BA-18 | Two Conductor Twisted Pair, 18 AWG, 0.25in (6.35mm) O.D. | 18in (0.5m) |
| 2BA-24 | | 24in (0.6m) |
| 2BA-36 | | 36in (0.9m) |
| 2BA-48 | | 48in (1.2m) |
| 2BA-60 | | 60in (1.5m) |
| 2BC-24 | RG58C/U, 0.195in (4.95mm) O.D. | 24in (0.6m) |
| 2BC-36 | | 36in (0.9m) |
| 2BC-48 | | 48in (1.2m) |
| 2BC-60 | | 60in (1.5m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2BA: 300 Vrms, 2BC: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+50°C) max.

Jumper Test Lead Set



| Model# | Length |
|-------------|--------------|
| 73087-6-* | 6in (0.15m) |
| 73087-9-4 | 9in (0.23m) |
| 73087-12-* | 12in (0.3m) |
| 73087-20-4 | 20in (0.5m) |
| 73087-24-* | 24in (0.6m) |
| 73087-36-* | 36in (0.9m) |
| 73087-72-* | 72in (1.8m) |
| 73087-150-4 | 150in (3.8m) |
| 73087-210-4 | 210in (5.3m) |

Each Jumper Test Lead Set includes a Sheathed (4mm) Banana Plug Test Lead, and Sheathed Banana Plug to Sheathed Banana Jack Patch Cord.

Cable: 18 AWG Wire, 0.146in (3.7mm) O.D.

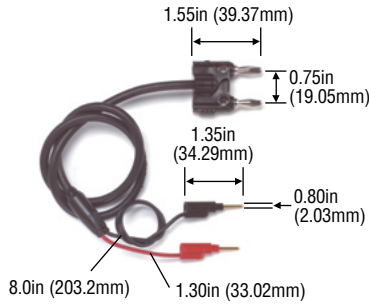
Insulation: Silicone

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 10A, -4° to +131°F (-20° to +55°C).

*Std. Colors: -0 Black, -2 Red, -4 Yellow, -6 Blue.

Patch Cords and Test Leads

Double Banana Plug to Stacking Pin Tip Plugs

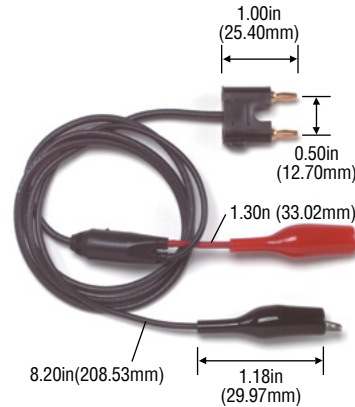


| Model# | Length |
|-----------|-------------|
| 2BC-PP-36 | 36in (0.9m) |
| 2BC-PP-48 | 48in (1.2m) |
| 2BC-PP-60 | 60in (1.5m) |

Cable Type: RG58C/U 0.195in (4.95mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

Minigator Clips to Miniature Double Banana Plug

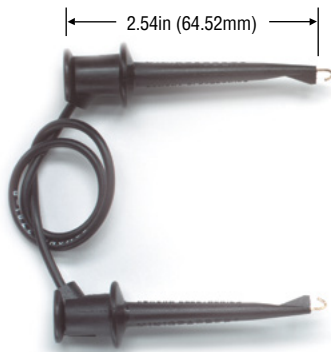


| Model# | Length |
|-----------|-------------|
| 3027-K-24 | 24in (0.6m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

Jaw Opening: 0.187in (4.75mm)
See chart on page 7 for additional cable specifications.

Minigrabber® Test Clip Patch Cord



| Model# | Length |
|-----------|-------------|
| 3781-8-* | 8in (0.2m) |
| 3781-12-* | 12in (0.3m) |
| 3781-18-* | 18in (0.5m) |
| 3781-24-* | 24in (0.6m) |
| 3781-36-* | 36in (0.9m) |
| 3781-48-* | 48in (1.2m) |
| 3781-60-* | 60in (1.5m) |

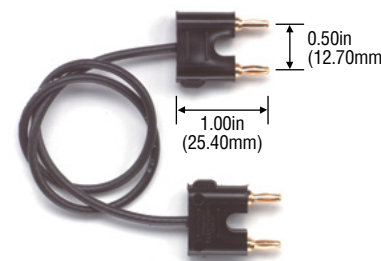
Hook attaches to component leads up to 0.060in (1.52mm) O.D.

Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +216°F (+102°C) max.

*Std. Colors: Available in 10 colors.

Miniature Double Banana Plug Cable



| Model# | Length |
|-----------|-------------|
| 2247-K-24 | 24in (0.6m) |

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

Cable Type: RG174/U, 0.100in (2.54mm) O.D.

Minigrabber® Test Clip Patch Cord Kit

Model# 5523

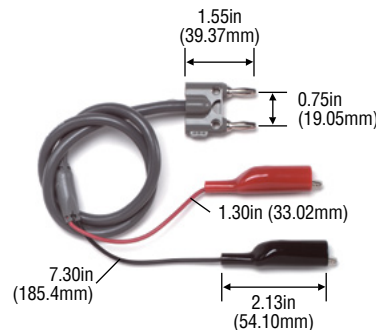
Kit contains 10 pcs. of Model 3781-24, one of each color.

One End Only

| Model# | Length |
|-----------|-------------|
| 3780-60-* | 60in (1.5m) |

*Std. Colors: -0 Black, -2 Red.

Double Banana Plug to Alligator Test Clips



| Model# | Length |
|-----------|-------------|
| 2BA-AL-36 | 36in (0.9m) |
| 2BA-AL-48 | 48in (1.2m) |

Cable Type: Two cond. Twisted Pair.

| Model# | Length |
|-----------|-------------|
| 2BC-AL-36 | 36in (0.9m) |
| 2BC-AL-60 | 60in (1.5m) |

Cable Type: RG58C/U50.

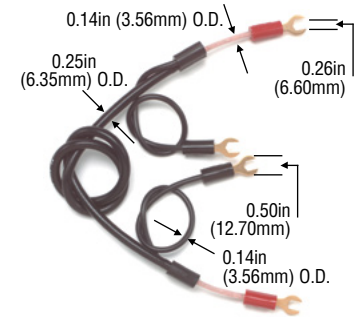
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

Jaw Opening: 0.30in (7.62mm) max.

Low Thermal EMF Patch Cords

Special alloy plating and construction preserve the accuracy of microvolt and nanovolt measurement equipment. Designed to greatly minimize the effect of Thermal Electric Voltage (Thermal EMF). Thermal EMF is generated at the junction of dissimilar metals at different temperatures and is common source of error in micro- and nano- volt measurements.

Shielded Low Thermal EMF Spade Lug Patch Cord



| Model# | Length |
|---------|-------------|
| 1756-24 | 24in (0.6m) |
| 1756-48 | 48in (1.2m) |

Cable: 12 AWG Wire, Shield Leads: 18 AWG.

Material: *Spade Lug:* gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, +131°F (+55°C) max.

Low Thermal EMF Retractable Sheath Banana Plug to Spade Lug



| Model# | Length |
|-----------|-------------|
| 5295-36-* | 36in (0.9m) |

Cable: 12 AWG Wire, 0.144in (3.56mm) O.D.

Material: *Spade Lug:* gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard; *Plug End:* gold-plated tellurium copper.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1000V. Do not use on circuits where transient stresses can exceed the rated voltage. 7A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

Low Thermal EMF Spade Lug Patch Cord



| Model# | Length |
|-----------|-------------|
| 1693-36-* | 36in (0.9m) |
| 1693-60-* | 60in (1.5m) |

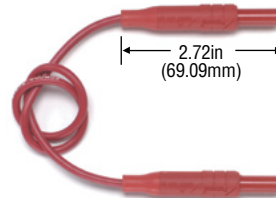
Cable: 12 AWG Wire, 0.144in (3.56mm) O.D.

Material: *Spade Lug:* gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

Low Thermal EMF Retractable Sheath Banana Plug Patch Cord



| Model# | Length |
|------------|-------------|
| 5291A-24-* | 12in (0.3m) |
| 5291A-36-* | 36in (0.9m) |
| 5291A-60-* | 60in (1.5m) |

Cable: 12 AWG Wire, 0.144in (3.56mm) O.D.

Material: *Plug Body:* gold-plated tellurium copper; *Spring:* gold-plated Beryllium Copper.

Rating: 1000V per IEC61010-031, 7A, +131°F (+55°C).

*Std. Colors: -0 Black, -2 Red.

Patch Cords and Test Leads

SMD Grabber® Test Clip Patch Cord

← 1.71in (43.43mm) →



| Model# | Length |
|-----------|-------------|
| 5301-12-* | 12in (0.3m) |
| 5301-24-* | 24in (0.6m) |

Pincer Opening: 0.04in (1.63mm).

Cable: 22 AWG Wire, 0.064in (1.60mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 0.5A, +216°F (+102°C) max.

*Std. Colors: -0 Black, -2 Red

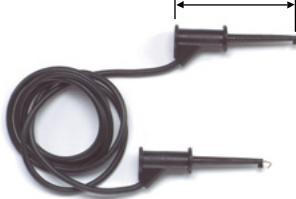


SMD Grabber® Model# 5521 Test Clip Patch Cord Kit

Kit contains 10 pcs. of Model 5301-24, one each of ten colors.

MicroGrabber® Test Clip Patch Cord

← 1.71in (43.43mm) →



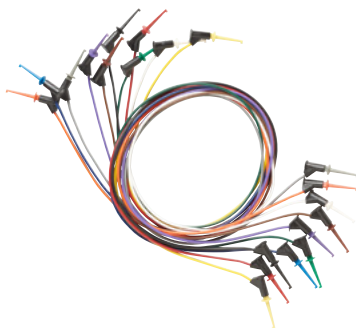
| Model# | Length |
|-----------|-------------|
| 4613-12-* | 12in (0.3m) |
| 4613-24-* | 24in (0.6m) |
| 4613-36-* | 36in (0.9m) |
| 4613-48-* | 48in (1.2m) |

Hook attaches to components up to 0.040in (1.02mm) O.D.

Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +216°F (+102°C) max.

*Std. Colors: -0 Black, -2 Red.

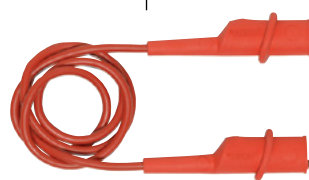


MicroGrabber® Model# 5525 Test Clip Patch Cord Kit

Kit contains 10 pcs. of Model 4613-24, one each of ten colors.

1000V Alligator Patch Cord

← 2.5in (63.5mm) →



| Model# | Length |
|-----------|-------------|
| 6576-24-* | 24in (0.6m) |
| 6576-36-* | 36in (0.9m) |

Jaw Opening: 0.300in (7.62mm).

Material: Body: nickel-plated steel; Boot: santoprene rubber.

Cable: 18 AWG Wire, silicone insulated.

Rating: Maximum voltage for *hands free use:* 1000V. 10A, -13 to 176°F (-25°C to 80°C).

*Std. Colors: -0 Black, -2 Red.

Multi-Stacking Banana Plug to Alligator Test Clip

← 2.30in (58.42mm) →



← 1.55in (39.37mm) →

| Model# | Length |
|-----------|-------------|
| 1166-12-* | 12in (0.3m) |
| 1166-24-* | 24in (0.6m) |
| 1166-36-* | 36in (0.9m) |
| 1166-48-* | 48in (1.2m) |
| 1166-60-* | 60in (1.5m) |

Jaw Opening: 0.300in (7.62mm).

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

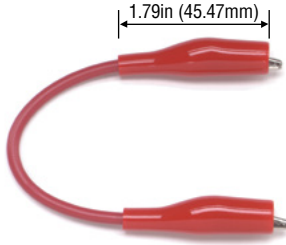
*Std. Colors: -0 Black, -2 Red.

Banana Plug to Alligator Clip Patch Cord Kit

| Model# | Length |
|---------|-------------|
| 6357-36 | 36in (0.9m) |

Kit contains 10 pcs. of Model 1166 patch cords, one each of 10 colors.

Minigator Test Clip Patch Cord



| Model# | Length |
|-----------|-------------|
| MG-B-12-* | 12in (0.3m) |
| MG-B-24-* | 24in (0.6m) |

Jaw Opening: 0.187in (4.75mm).

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Multi-Stacking Banana Plug to Minigator Test Clip



| Model# | Length |
|-----------|-------------|
| 3220-12-* | 12in (0.3m) |
| 3220-24-* | 24in (0.6m) |
| 3220-36-* | 36in (0.9m) |
| 3220-48-* | 48in (1.2m) |

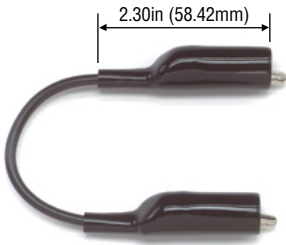
Jaw Opening: 0.187in (4.75mm).

Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Alligator Test Clip Patch Cord



| Model# | Length |
|-----------|-------------|
| AL-B-12-* | 12in (0.3m) |
| AL-B-24-* | 24in (0.6m) |
| AL-B-36-* | 36in (0.9m) |
| AL-B-48-* | 48in (1.2m) |
| AL-B-60-* | 60in (1.5m) |

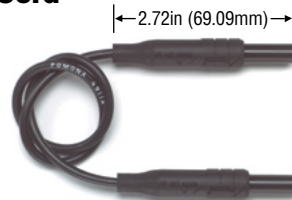
Jaw Opening: 0.300in (7.62mm).

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Retractable Sheath Banana Plug Patch Cord



| Model# | Length |
|------------|-------------|
| 4911A-12-* | 12in (0.3m) |
| 4911A-24-* | 24in (0.6m) |
| 4911A-36-* | 36in (0.9m) |
| 4911A-48-* | 48in (1.2m) |
| 4911A-60-* | 60in (1.5m) |

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: 1000V per IEC61010-031, 10A, +176°F (+80°C) max.

*Std. Colors: -0 Black, -2 Red.

Alligator Test Clip Patch Cord Kit

| Model# | Length |
|---------|-------------|
| 6356-12 | 12in (0.3m) |
| 6356-24 | 24in (0.6m) |
| 6356-36 | 36in (0.9m) |

Kit contains 10pcs. of Model AL-B patch cords, one each of 10 colors.

5 Way Alligator to Sheathed Right Angle Set



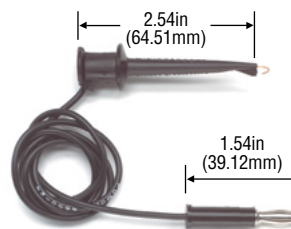
| Model# | Length |
|------------|-------------|
| 6483-48-02 | 48in (1.2m) |

Clip includes bed of nails and single needle tip for easy, versatile piercing of wire insulation to contact inner conductor for measurement.

Pierces 19 to 26 AWG wire.

Std. Colors: -0 Black, -2 Red, -02 Set of one black and one red.

Minigrabber® Test Clip to Straight Banana Plug Patch Cord



| Model# | Length |
|-----------|-------------|
| 4650-24-* | 24in (0.6m) |
| 4650-36-* | 36in (0.9m) |

Hook attaches to component leads up to 0.060in (1.52mm) O.D.

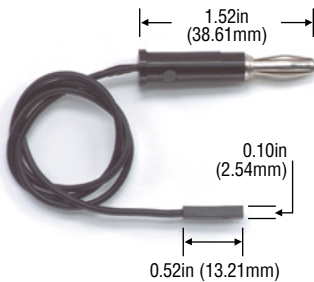
Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Patch Cords and Test Leads

0.025in (0.64mm) Square Pin Jack to Straight Banana Plug



| Model# | Length |
|-----------|-------------|
| 4771-24-* | 24in (0.6m) |
| 4771-36-* | 36in (0.9m) |

Cable: 22 AWG Wire, 0.064in (1.63mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Banana Plug to Banana Jack



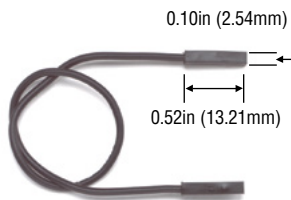
| Model# | Length |
|-----------|-------------|
| 4702-24-* | 24in (0.6m) |
| 4702-36-* | 36in (0.9m) |
| 4702-48-* | 48in (1.2m) |

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

0.025in (0.64mm) Square Pin Jack Patch Cord



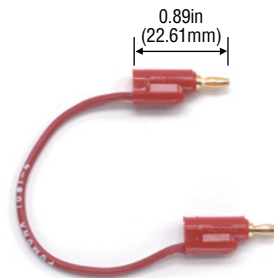
| Model# | Length |
|-----------|-------------|
| 4741-6-* | 6in (0.15m) |
| 4741-12-* | 12in (0.3m) |
| 4741-24-* | 24in (0.6m) |

Cable: 22 AWG Wire, 0.064in (1.63mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45 Vac/60 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Miniature Stacking Banana Plug Patch Cord



| Model# | Length |
|-----------|-------------|
| 1081-4-* | 4in (0.1m) |
| 1081-8-* | 8in (0.2m) |
| 1081-12-* | 12in (0.3m) |
| 1081-18-* | 18in (0.5m) |
| 1081-24-* | 24in (0.6m) |
| 1081-36-* | 36in (0.9m) |
| 1081-48-* | 48in (1.2m) |
| 1081-60-* | 60in (1.5m) |

Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.

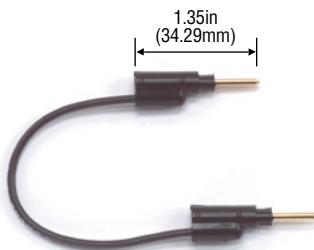
Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

0.025in (0.64mm) Square Pin Jack Patch Cord Kit

| Model# | Length |
|--------|---|
| 5948 | Kit contains 10 pcs. of Model 4741-6, one ea. of 10 colors. |

Stacking Pin Tip Plug Patch Cord



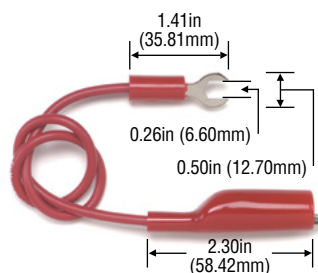
| Model# | Length |
|--------|-------------|
| P-4-* | 4in (0.1m) |
| P-8-* | 8in (0.2m) |
| P-12-* | 12in (0.3m) |
| P-18-* | 18in (0.5m) |
| P-24-* | 24in (0.6m) |
| P-36-* | 36in (0.9m) |

Cable: 20 AWG Wire, 0.087in (2.21mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

*Std. Colors: -0 Black, -2 Red.

Alligator Test Clip to Insulated Spade Lug



| Model# | Length |
|-----------|-------------|
| 1960-36-* | 36in (0.9m) |

Jaw Opening: 0.30in (7.62mm).

Cable: 18 AWG Wire, 0.144in (3.56mm) O.D.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

*Std. Colors: -0 Black, -2 Red.

Calibration Kits

Pomona has made it easy for you to have exactly what you need with a huge selection of patch cords and test leads designed for reliable, convenient connections. Whether you need a test lead that can access an IC pin without shorting or a patch cord that accommodates multiple stacking, Pomona Electronics' design and reliability are your connection with quality.

Calibration Accessory Kit

Model# CK73041

The Pomona CK73041 Calibration Kit includes the major connectors and test cables you need for instrument calibration in a comprehensive kit. Versatile adapters and flexible cables greatly expand the variety of test cables you can create, reducing the number of special-purpose patch cords and connectors needed for calibration applications.

Perfect for:

- Field Calibration
- Outfitting a new technician or lab
- Comprehensive replacement of important connectors and leads

The Calibration Kit allows you to:

- Combine connectors with patch cords to create a wide variety of necessary test cables.
- Reduce the number of test cables needed by creating multiple combinations.
- Make low voltage precision measurements with shielded low thermal EMF spade lug patch cords.
- Easily connect to a variety of test equipment with BNC to banana and BNC to binding post adapters.
- Use shielded coax cables for test and calibration rather than unshielded leads.
- Turn banana plug patch cords into test leads terminated with alligator clips, spade lugs, or pin tips.
- Access N Type instrument jacks.
- Connect to analog components from coaxial cables.
- Take advantage of shielded dual conductor patch cords.
- Daisy-chain leads for those long lead situations.

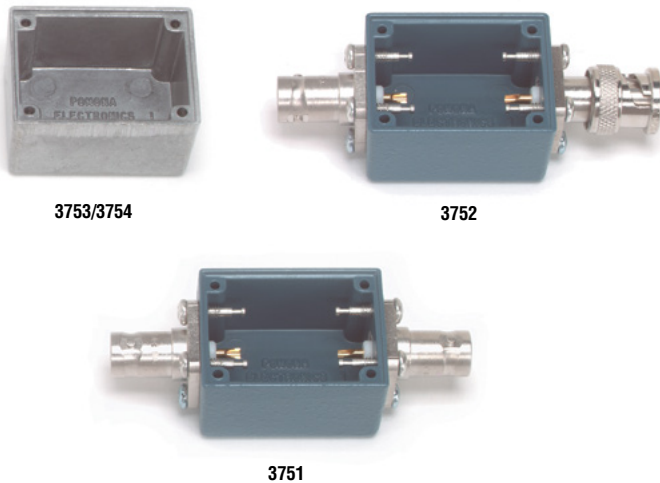
For data sheets/specifications of the individual components contained in the CK73041 Calibration Kit, please visit our Pomona website at: www.pomonaelectronics.com



Boxes and Enclosures

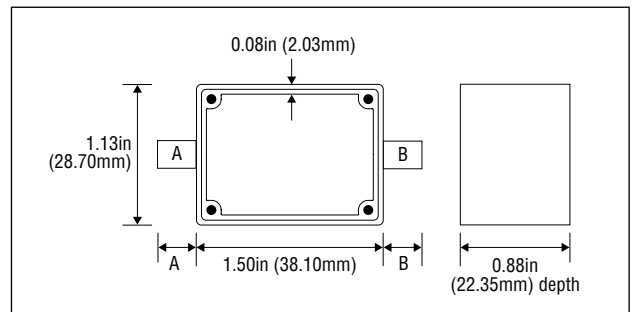
From setting up system electronics to circuitry prototyping, Pomona provides you with the boxes and enclosures to securely seal signal sensitive cables and wires. The large variety of die-cast aluminum connectorized enclosures and phenolic or molded thermoplastic boxes are ready to house components in styles and sizes that will simplify your interconnections.

Miniature Size Die Cast Aluminum Box with Cover

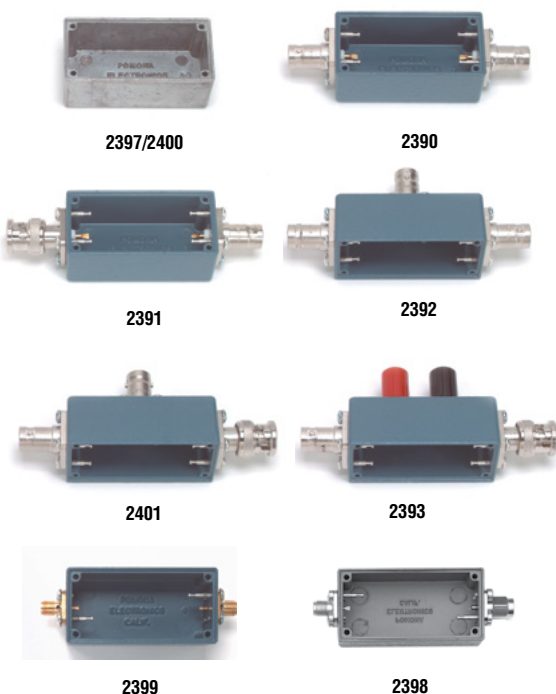


| Model# | Finish | Connector: A | | Connector: B | |
|--------|--|--------------|------------------|--------------|------------------|
| | | Type | Length | Type | Length |
| 3754 | None | - | - | - | - |
| 3753 | BBE | - | - | - | - |
| 3751 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) |
| 3752 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (M) | 0.85in (21.59mm) |
| 4742 | Replacement cover | | | | |
| 4864 | Cover screws, 100/pkg | | | | |
| 2352 | Connector screws with solder turret, 100/pkg | | | | |

BBE = Blue Baked Enamel Cover and screws included with all boxes.

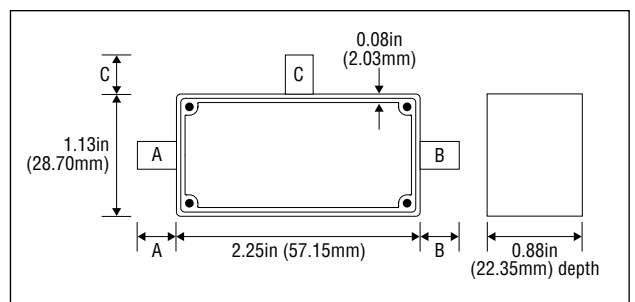


“A” Size Die Cast Aluminum Box with Cover



| Model# | Finish | Connector: A | | Connector: B | | Connector: C | |
|--------|-------------------------------------|--------------|------------------|--------------|------------------|--------------|------------------|
| | | Type | Length | Type | Length | Type | Length |
| 2400 | None | - | - | - | - | - | - |
| 2397 | BBE | - | - | - | - | - | - |
| 2390 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | - | - |
| 2391 | BBE | BNC (M) | 0.85in (21.59mm) | BNC (F) | 0.72in (18.29mm) | - | - |
| 2392 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) |
| 2401 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | BNC (M) | 0.85in (21.59mm) |
| 2393 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (M) | 0.85in (21.59mm) | PDB | 0.82in (20.83mm) |
| 2398 | BBE | SMA (F) | 0.38in (9.69mm) | SMA (M) | 0.38in (9.69mm) | - | - |
| 2399 | BBE | SMA (F) | 0.38in (9.69mm) | SMA (F) | 0.38in (9.69mm) | - | - |
| 4245 | Replacement cover | | | | | | |
| 3728 | Flange mounting cover | | | | | | |
| 4864 | Cover screws, 100/pkg | | | | | | |
| 2352 | Connector screws with solder turret | | | | | | |

BBE = Blue Baked Enamel PDB = Post, Double Binding Cover and screws included with all boxes.



“B” Size Die Cast Aluminum Box with Cover

| Model# | Finish | Connector: A | | Connector: B | | Connector: C | | Connector: D | |
|--------|-------------------------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|
| | | Type | Length | Type | Length | Type | Length | Type | Length |
| 2428 | None | – | – | – | – | – | – | – | – |
| 2417 | BBE | – | – | – | – | – | – | – | – |
| 3230 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | – | – | – | – |
| 3231 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (M) | 0.85in (21.59mm) | – | – | – | – |
| 3239 | BBE | IBNC | 0.47in (11.94mm) | IBNC | 0.47in (11.94mm) | – | – | – | – |
| 3232 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | – | – |
| 3234 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) |
| 4246 | Replacement cover | | | | | | | | |
| 3719 | Flange mounting cover | | | | | | | | |
| 4864 | Cover screws, 100/pkg | | | | | | | | |
| 2352 | Connector screws with solder turret | | | | | | | | |

BBE = Blue Baked Enamel IBNC = Isolated BNC Cover and screws included with all boxes.



2417/2428



3230



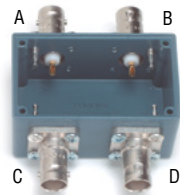
3231



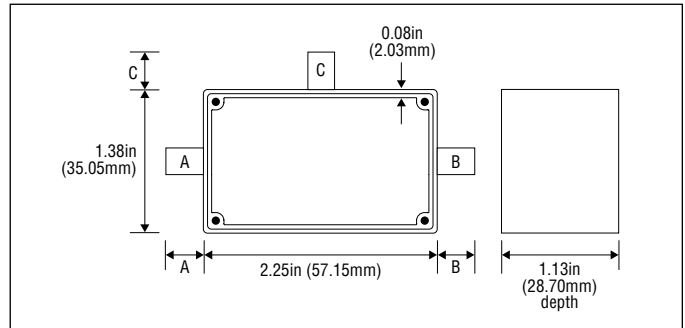
3239



3232



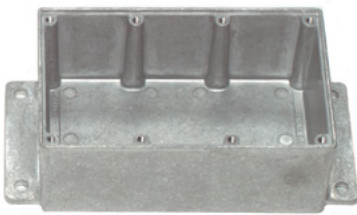
3234



“C” Size Die Cast Aluminum Box with Cover

| Model# | Finish | Connector: A | | Connector: B | |
|--------|-------------------------------------|--------------|----------------|--------------|----------------|
| | | Type | Length | Type | Length |
| 2906 | None | – | – | – | – |
| 2901 | BBE | – | – | – | – |
| 2902 | BBE | BNC (F) | 0.72 (18.29mm) | BNC (F) | 0.72 (18.29mm) |
| 4248 | Replacement cover | | | | |
| 2352 | Connector screws with solder turret | | | | |

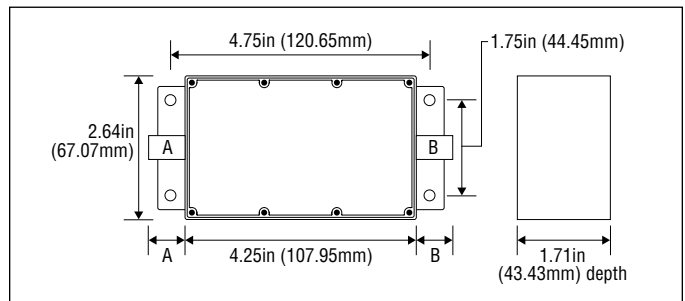
BBE = Blue Baked Enamel Cover and screws included with all boxes.



2901 / 2906

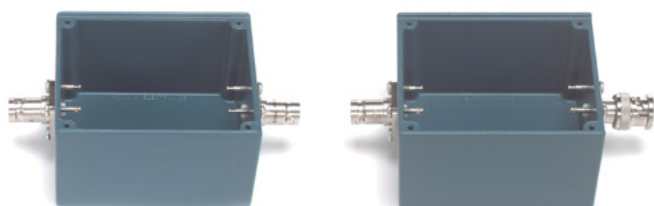


2902



Boxes and Enclosures

“D” Size Die Cast Aluminum Box with Cover



3602

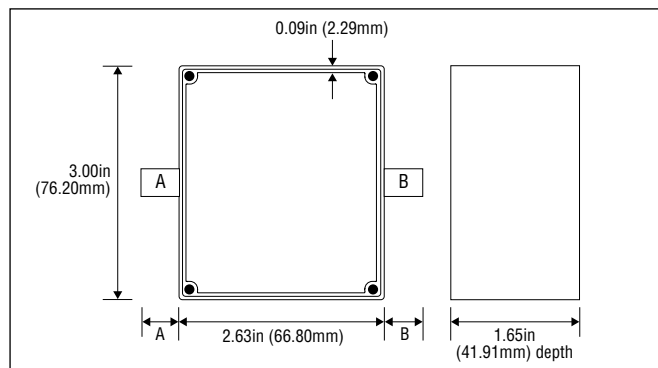
3603



3601/3606

| Model# | Finish | Connector: A | | Connector: B | |
|--------|-------------------------------------|--------------|----------------|--------------|----------------|
| | | Type | Length | Type | Length |
| 3606 | None | – | – | – | – |
| 3601 | BBE | – | – | – | – |
| 3602 | BBE | BNC (F) | 0.72 (18.29mm) | BNC (F) | 0.72 (18.29mm) |
| 3603 | BBE | BNC (F) | 0.72 (18.29mm) | BNC (M) | 0.85 (21.59mm) |
| 2352 | Connector screws with solder turret | | | | |

BBE = Blue Baked Enamel Cover and screws included with all boxes.



“E” Size Die Cast Aluminum Box with Cover

| Model# | Finish |
|--------|-------------------|
| 5186 | None |
| 4226 | Blue Baked Enamel |

Cover and screws included.

Recommended Circuit Board Sizes:

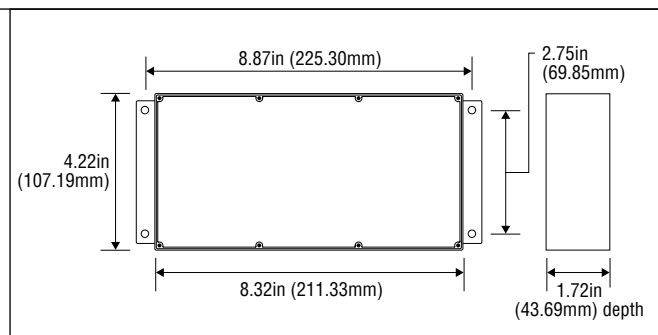
8.00in x 1.49in x .062in,
(203.2mm x 37.85 x 1.57mm) Thick.

3.90in x 1.49in x .062in,
(99.06mm x 37.85 x 1.57mm) Thick.

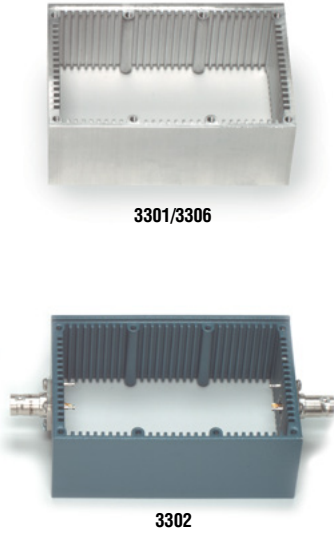
7.60in x 3.40in x .062in,
(193.04mm x 86.36mm x 1.57mm) Thick.



4226



“F” Size Extruded Aluminum Box with Covers

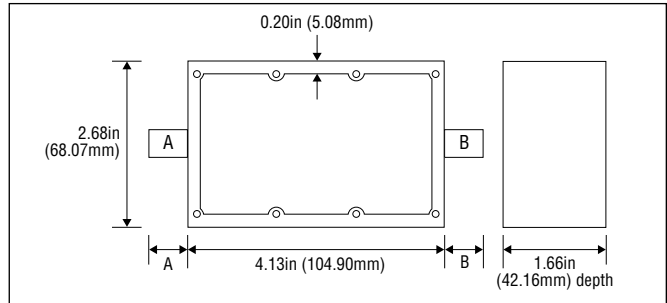


3301/3306

3302

| Model# | Finish | Connector: A | | Connector: B | |
|--------|-------------------------------------|--------------|------------------|--------------|------------------|
| | | Type | Length | Type | Length |
| 3306 | None | – | – | – | – |
| 3301 | BBE | – | – | – | – |
| 3302 | BBE | BNC (F) | 0.72in (18.29mm) | BNC (F) | 0.72in (18.29mm) |
| 4247 | Replacement cover | | | | |
| 4862 | Cover screws, 100/pkg | | | | |
| 2352 | Connector screws with solder turret | | | | |

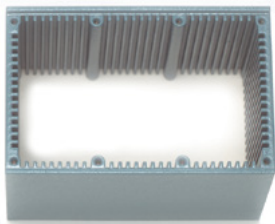
BBE = Blue Baked Enamel Cover and screws included with all boxes.



Recommended Circuit Board Sizes:

3.90in x 1.48in x 0.062in, (99.06mm x 37.59 x 1.57mm) Thick. 2.40in x 1.48in x 0.062in, (60.96mm x 37.59mm x 1.57mm) Thick.

“G” Size Extruded Aluminum Box with Cover



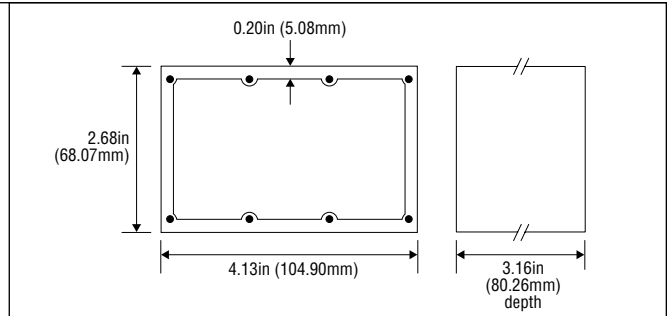
3311

| Model# | Finish |
|--------|-----------------------|
| 3316 | None |
| 3311 | Blue Baked Enamel |
| 4247 | Replacement cover |
| 4862 | Cover screws, 100/pkg |

Cover and screws included.

Recommended Circuit Board Sizes:

3.90in x 2.98in x .062in, (99.06mm x 75.69mm x 1.57mm) Thick.
2.40in x 2.98in x .062in, (60.96mm x 75.69mm x 1.57mm) Thick.



“H” Size Extruded Aluminum Box with Cover



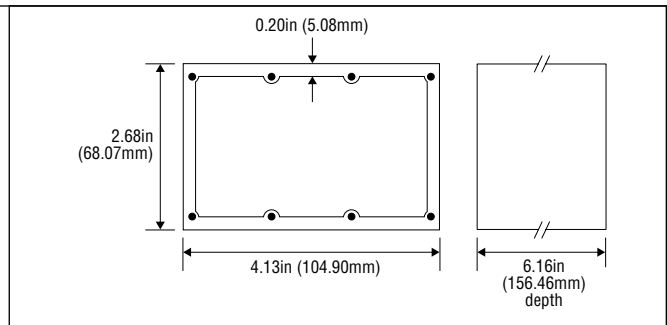
3742

| Model# | Finish |
|--------|-----------------------|
| 3743 | None |
| 3742 | Blue Baked Enamel |
| 4247 | Replacement cover |
| 4862 | Cover screws, 100/pkg |

Cover and screws included.

Recommended Circuit Board Sizes:

3.90in x 5.98in x .062in, (99.06mm x 75.69mm x 1.57mm) Thick.
2.40in x 5.98in x 0.062in, (60.96mm x 75.69mm x 1.57mm) Thick.



Boxes and Enclosures

“J” Size Die Cast Aluminum Box with Cover



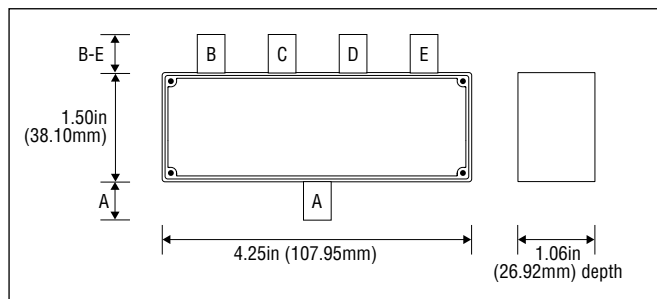
4655/5255



4656

| Model# | Finish | Connector: A | | Connector: B to E | |
|--------|-----------------------|--------------|----------------|-------------------|----------------|
| | | Type | Length | Type | Length |
| 5255 | None | – | – | – | – |
| 4655 | BBE | – | – | – | – |
| 4656 | BBE | BNC (F) | 0.72 (18.29mm) | BNC (F) | 0.72 (18.29mm) |
| 4864 | Cover screws, 100/pkg | | | | |

BBE = Blue Baked Enamel Cover and screws included with all boxes.



Recommended Circuit Board Sizes:

4.13in x 0.87in x 0.062in, 1.38in x 0.87in x .062in,
(104.9mm x 22.10mm x 1.57mm) Thick. (35.05mm x 22.10mm x 1.57mm) Thick.

“L” Size Die Cast Aluminum Box with Cover



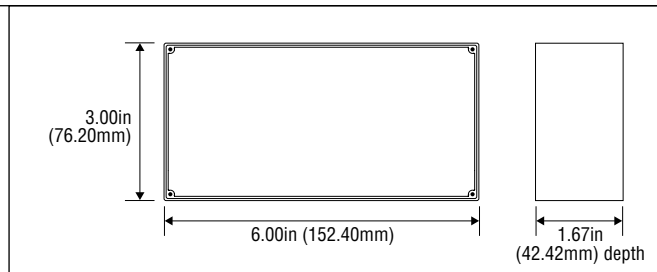
4903

| Model# | Finish |
|--------|-----------------------|
| 5203 | None |
| 4903 | Blue Baked Enamel |
| 4864 | Cover screws, 100/pkg |

Cover and screws included.

Recommended Circuit Board Sizes:

5.88in x 1.48in x .062in,
(149.35mm x 37.59mm x 1.57mm) Thick.
2.88in x 1.48in x .062in,
(73.15mm x 37.59mm x 1.57mm) Thick.



Molded Thermoplastic Box with Card Guides and Cover



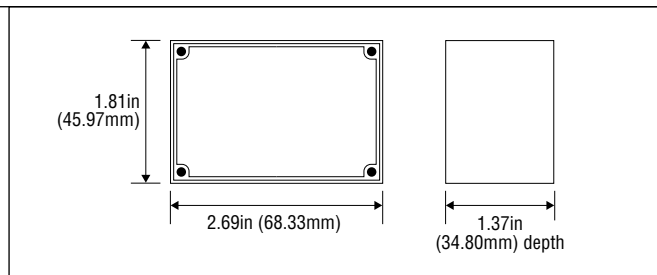
3850-0

| Model# | Finish |
|--------|-----------------------|
| 3850-0 | Black - Thermoplastic |
| 3850-6 | Blue - Thermoplastic |
| 4864 | Cover screws, 100/pkg |

Cover and screws included.

Recommended Circuit Board Sizes:

2.51in x 1.60in x .062in,
(63.35mm x 40.64mm x 1.57mm) Thick.



DMM Accessories and Kits

Connecting with the industry's leading digital multimeter brands, Pomona provides the world's largest selection of test leads and probes. Superior materials and outstanding design, assure conformity with industry-leading reliability and performance standards. From high-density IC leads to voltage on a distribution panel, Pomona connects you with the right solution.

Deluxe Multi-Use DMM Maxi-Kit

Model# 5677B



1. Silicone insulated 4ft (1.2m) leads with right angle plug.
2. Modular probe set with replaceable tips.
3. 5 sets of replacement tips.
4. Retractable tip test probe set.
5. Test lead coupler set.
6. Medium alligator clip set.
7. Large alligator clip set.
8. Spade lugs.
9. IC probe tip adapter.
10. Minigrabber® test clip leads.
11. Minipincer® test clip leads.
12. Nylon storage pouch.

- Modular probes with interchangeable tips.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs for most meters from Fluke, HP, Meterman, Amprobe, and others.
- New retractable tip probe with 3in (76.2mm) long tip and silicone leads.
- Minigrabber® and Minipincer® test clip leads attach to test leads.
- Test lead coupler connects leads to probe set for 16ft (4.8m) reach.
- Nylon storage pouch with compartments for accessories.

Electronic DMM Maxi-Kit

Model# 6340



1. Silicone insulated 4ft (1.2m) leads.
2. Modular probe set.
3. Precision electronic probes.
4. 4 sets of replacements tips.
5. Test lead couplers.
6. Medium alligator clips.
7. Large alligator clips.
8. Minigrabber® test clip leads.
9. Minipincer® test clip leads.
10. Spade lugs.
11. Nylon storage pouch.

- Modular probes with caged-spring tips fit 4mm sockets.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Meterman, Amprobe, Greenlee and others.
- Precision Electronic probe with replacement tips offers flexibility in testing.
- Minigrabber® and Minipincer® test clip leads for smaller test points.
- Nylon storage pouch with compartments for accessories.

DMM Accessories and Kits

Deluxe Electronic DMM Test Lead Kit



Model# 5674C

1. Silicone insulated 4 ft (1.2m) leads with right-angle plug.
 2. Modular probe set with standard tips.
 3. Extended probe tip adapters.
 4. Medium alligator clips.
 5. IC probe tip adapters.
 6. Minigrabber® test clip leads.
 7. Minipincer® test clip leads.
 8. Maxigrabber® test clips with pincer tip.
 9. Nylon storage pouch.
- Modular probes with standard probe tips.
 - Insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Meterman, and others.
 - Probe tip extender with 3in (76.2mm) long tip.
 - Minigrabber® test clip leads attach to test leads.
 - Minipincer® test clip leads for fine pitch chip leads.
 - Maxigrabber® test clips attach to test leads.
 - Nylon storage pouch with compartments for accessories.

Electronic DMM Test Lead Kit



Model# 5543B

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
 2. Modular electronic test probes with standard tips.
 3. Extended fine-tip probe adapter -red.
 4. Medium alligator clip -black.
 5. IC probe tip adapter -red.
 6. Insulated spade lug -black.
 7. Minipincer® test clip lead -red.
 8. Minigrabber® test clip lead -red.
 9. Nylon storage pouch.
- Silicone insulated 4ft (1.2m) test leads fit meters from Fluke, HP, Meterman, and others.
 - Modular electronic test probes attach to leads.
 - Extended fine-point adapter attaches to probe tips.
 - IC adapter attaches to probe for secure probing on chip leads.
 - Minipincer® test clip lead for fine pitch chip leads.
 - Minigrabber® test clip lead extend the reach of the test leads.

Basic Electronic DMM Test Lead Kits



| Model# | Plug Type | Ratings |
|--------|-------------------------|---|
| 6343 | Right-angle DMM plugs | IEC61010, CAT III 1000V CAT II 1000V without protective cap |
| 5672A | Right-angle banana plug | 30 Vrms/42.4 Vpk/60 Vdc |
| 6344 | Straight DMM plugs | IEC61010, CAT III 1000V CAT II 1000V without protective cap |
| 5325A | Stacking banana plugs | 30 Vrms/42.4 Vpk/60 Vdc |

1. Comfort-grip DMM test probes.
 2. Silicone insulated 4ft (1.2m) leads.
 3. Extended probe tip adapters.
 4. Alligator clip probe tip adapters.
 5. Plastic storage case (not shown).
- Note:** Model 5672A has HEAVY-DUTY stainless-steel tips.
- See page 67 for banana plug types.
- Featuring Pomona's new comfort-grip probes.
 - Monolithic probes with fixed tips.
 - DMM plugs fit most meters from Fluke, Meterman, HP, Amprobe, Greenlee, and others.
 - Extended tip adapter has sharp needle point.
 - Alligator clip adapter snaps onto the probe tip.

Deluxe Electronic Bench DMM Test Lead Kit

Model# 6204A



- 1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
 - 2. Modular electronic test probes with standard tips.
 - 3. Extended fine-tip probe adapters.
 - 4. Medium alligator clips.
 - 5. IC lead probe tip adapters.
 - 6. Insulated spade lugs.
 - 7. Minipincer® test clip leads.
 - 8. Minigrabber® test clip leads.
 - 9. Nylon storage pouch.
- Silicone insulated 4ft (1.2m) leads fit meters from Fluke, HP (Agilent), Keithley and others.
 - Modular electronic test probes attach to leads.
 - Extended fine-point adapters attach to probe tips.
 - IC adapters attach to probes for secure probing on chip leads.
 - Minipincer® test clip leads for fine pitch chip leads.
 - Minigrabber® test clip leads extend the reach of the test leads.

Electronic Bench DMM Test Lead Kit

Model# 5901B



- 1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
 - 2. Modular electronic test probes with replaceable tips.
 - 3. 5 sets of replacement probe tips
 - 4. Medium alligator clips.
 - 5. Insulated spade lugs.
 - 6. Minigrabber® test clip leads.
 - 7. Nylon storage pouch.
- DMM plugs fit meters from Fluke, HP (Agilent), Keithley and others.
 - Modular electronic test probes with replaceable tips adapt to many different modes.
 - Replacement probe tips offer a wide variety of probing solutions.
 - Alligator clips attach to test lead for reliable connections.
 - Spade lugs attach to test leads for binding posts or terminal screws.
 - Minigrabber® test clip leads extend the reach of the test leads.
 - Uses 080 replaceable probe tips.
 - Rated CAT II 600V 10A.

Deluxe Automotive DMM Test Lead Kit

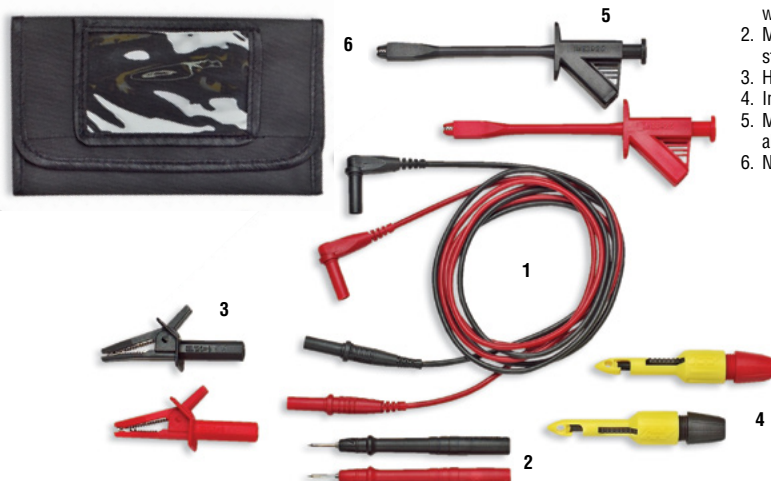
Mode# 6530A



- 1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
 - 2. Heavy-duty modular test probes with stainless-steel tips.
 - 3. Heavy-duty alligator clips.
 - 4. Insulation piercing clips.
 - 5. Maxigrabber® test clips with alligator jaws.
 - 6. Maxigrabber® test clips with hook.
 - 7. Backprobe pins.
 - 8. Nylon storage pouch.
- Alligator clips attach to test lead for reliable connections.
 - Sharp stainless-steel probe tips resist wear.
 - Insulation piercing clips make connections without stripping insulation from wires.
 - Backprobe pins access contacts through the back side of automotive connectors.
 - DMM plugs fit meters from Fluke, Meterman, Amprobe, Greenlee and others.
 - Maxigrabber® test clips with alligator jaws for quick and easy connections.

DMM Accessories and Kits

Industrial/Automotive DMM Test Lead Kit



Model# 5903A

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
 2. Modular electrical test probes with stainless steel tips.
 3. Heavy-duty alligator clips.
 4. Insulation piercing clips.
 5. Maxigrabber® test clips with alligator jaws.
 6. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterman, Amprobe, Greenlee and others.
 - Sharp stainless-steel probe tips resist wear.
 - Alligator clips attach to test lead for reliable connections.
 - Insulation piercing clips make connections without stripping insulation from wires.
 - Maxigrabber® test clips with alligator jaws for quick and easy connections.

Deluxe Electrical DMM Test Lead Kit



| Model# | Plug Type | Ratings |
|--------|----------------------|---|
| 5904A | Right-angle DMM plug | CAT III 1000V per IEC61010-031 CAT II 1000V without protective cap |

1. Silicone insulated 4ft (1.2m) test leads.
 2. Modular electrical test probes with stainless-steel tips.
 3. Maxigrabber® test clips with jaws.
 4. Maxigrabber® test clips with hooks.
 5. Maxigrabber® test clips with pincers.
 6. Large alligator clips.
 7. Nylon Storage pouch.
 8. Protective caps
- DMM plugs fit meters from Fluke, Meterman, Amprobe, Greenlee and others.
 - Alligator clips attach to the test leads for secure connections.
 - Maxigrabber® test clips attach to test leads.
 - Nylon storage pouch to contain all kit components.

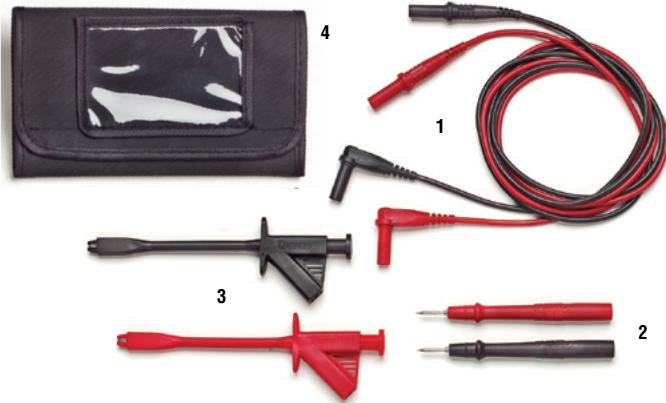
Electrical DMM Test Lead Kit



Model# 5673B

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
 2. Modular electrical test probes with stainless-steel tips.
 3. Extended tip probe adapters.
 4. Insulated spade lugs.
 5. Medium alligator clips.
 6. Large alligator clips.
 7. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterman, Greenlee, Amprobe and others.
 - Spade lugs connect to test leads and can be secured to binding posts or terminals.
 - Alligator clips plug into the test leads.

Basic Electrical DMM Test Lead Kit



| Model# | Plug Type | Ratings |
|--------|----------------------|---|
| 5900A | Right-angle DMM plug | CAT III 1000V per IEC61010-031 CAT II 1000V without protective cap |

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
 2. Modular electrical test probes with standard tips.
 3. Maxigrabber® test clips.
 4. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterman, Greenlee, Amprobe and others.
 - Maxigrabber® test clips with jaws attach to test leads.
 - Nylon carrying pouch included.

Multi-Use DMM Test Lead Kit



| Model# | Ratings |
|--------|---|
| 5899A | CAT III 1000V per IEC61010-031 CAT II 1000V without protective cap |

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
 2. Modular electrical test probes with standard tip.
 3. Maxigrabber® with pincer tips.
 4. Medium alligator clips.
 5. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterman, Greenlee, Amprobe and others.
 - Alligator clips attach to test lead for reliable connections.
 - Maxigrabber® test clips with pincers for quick and easy connections.

Deluxe Industrial Test Companion™ Kit



Model# 6173A

Includes shoulder-pack style Cordura carrying case plus the following IEC61010 compliant test accessories:

1. Modular Electrical Test Probe Set with Banana Plug Tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. Probe Lead Set with Sharp Stainless Steel Tip.
4. Maxigrabber® Test Clip Set with Pincer Tip.
5. Maxigrabber® Test Clip Set with Hook Tip.
6. Maxigrabber® Test Clip Set with Jaws.
7. Extra Large Alligator Clip Set.
8. Medium Alligator Clip Set.
9. Insulated Spade Lug Set.
10. Test Companion Carrying Case.

DMM Accessories and Kits

Industrial Test Companion™ Kit

Model# 6172A

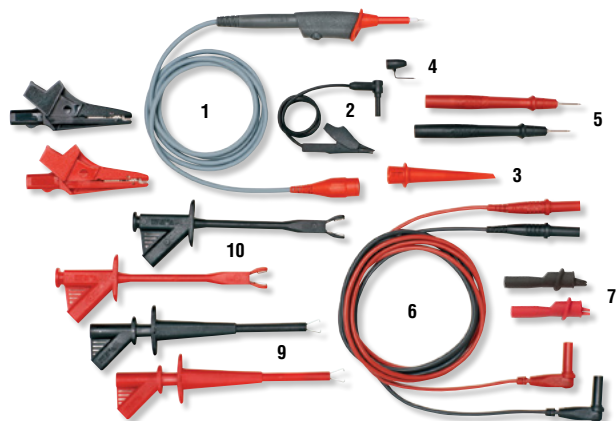


Includes shoulder-pack style Cordura carrying case plus the following IEC61010 compliant test accessories:

1. Modular Electrical Test Probe Set with Banana Plug Tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. Probe Lead Set with Sharp Stainless Steel Tip.
4. Maxigrabber® Test Clip Set with Pincer Tip.
5. Maxigrabber® Test Clip Set with Hook Tip.
6. Medium Alligator Clip Set.
7. Insulated Spade Lug Set.

Probe and Lead Kit for Portable Scopes

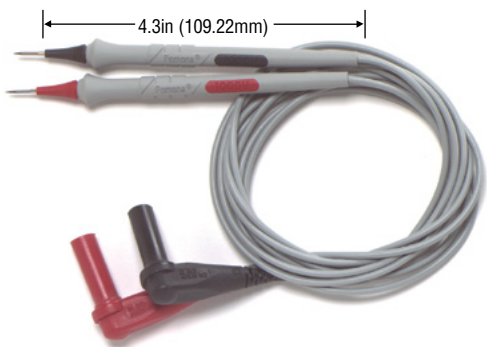
Model# 72942



Includes shoulder-pack style Cordura carrying case plus the following test accessories:

1. Red Scope Probe, 500 MHz, see page 81.
2. Black Ground Lead.
3. Red Sprung Hook.
4. Probe Tip Ground.
5. Modular Test Probe with Standard 0.080in (2mm) Tip.
6. Flexible Test Lead Set with Straight and Right-Angle Banana Plugs.
7. Medium Alligator Clip Set.
8. Extra Large Alligator Clip Set.
9. Maxigrabber® Set Pincer Style.
10. Maxigrabber® Test Clip Set with Jaws.

Precision Electronic Test Probe Set



| Model# | Features | Ratings |
|--------|---|---------------|
| 6341 | Probe set with complete set of 5 tips | CAT II 1000V* |
| 6342 | Probe set with sharp point gold pogo pin tips | CAT II 1000V |
| 6275 | Probe set with sharp stainless steel rigid tips | CAT II 1000V |
| 6354 | Replacement probe tips. Set of 5 types. | |

- Replaceable 0.04in (1.01mm) pogo-pin tips.
- Small outline for tight test situations.
- Replaceable pogo-pin tips.
- Comfort-grip textured surface.
- Fits all meters including Fluke, HP (Agilent), Keithley, Metorman and others.
- Silicone insulated leads resist abrasion and heat.

Replacement Tips

1. Sharp-point gold pogo-pin.
2. Tri-point gold pogo-pin.
3. Quad-point gold pogo-pin.
4. Sharp stainless steel rigid.
5. 3in (76.2mm) long extended. Stainless steel.

*except when used with 3in (76.2mm) tip which is 33Vrms/70Vdc.

See page 70 for more probe tips.

Safety 2mm/4mm Test Probe Set



| Model# | Ratings |
|--------|---|
| 6601 | IEC61010 1000V CAT III CAT II 1000V without protective cap |

- Versatile 2mm probe tip with screw-on 4mm tip.
- Each probe includes Protective Cap designed to meet Guidance Note GS38.
- Silicon insulated 4ft (1.2m) test leads with right-angle DMM plugs.
- Comfort-grip textured surface.

Retractable Needle Tip Test Probes



| Model# | Plug Type | Ratings |
|--------|-----------------|--------------|
| 5953A | Right-angle DMM | CAT II 600V* |
| 5952A | Stacking banana | 600V** |

- Silicone insulated 4ft (1.2m) leads fits most meters from Fluke, Metorman, HP, Amprobe, Greenlee and others.
- Fully insulated tip extends to 3in (76.2mm).
- Durable 0.040in (1.02mm) stainless-steel needle tips reach into inaccessible areas.
- Set of 2 probes, one black and one red.

*per IEC61010

**Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms / 42.2 Vpk / 60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 600 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

See page 67 for banana plug types.

Test Probes with Screw-on Alligator Clips



| Model# | Ratings |
|--------|---|
| 6723 | IEC61010 1000V CAT III 20A (probe alone) |
| | IEC61010 1000V CAT II without protective cap |
| | IEC61010 300V, CAT II 10A (with alligator clip attached) |

- Probe set includes 2 screw-on alligator clips.
- 8-32 threaded tips allow secure, attachment of alligator clips.
- Silicon insulated 4ft (1.2m) test leads with right-angle DMM plugs.
- Comfort-grip textured surface.
- Wide temperature range of 14 to 131°F (-10 to +55°C).

Pomona's Test Companion™ Accessory Cases and Pouches



| Model# | Description |
|--------|--|
| 6146 | Briefcase style with carrying strap |
| 6147 | Medium shoulder-pack with carrying strap |
| 5955 | Folding case with Velcro |

SMD Micro Tip/Test Probe



| Model# | Color |
|-----------|------------------------|
| 5144-48-0 | Black |
| 5144-48-2 | Red |
| 6235 | Set of two: Black, Red |

The probe microtip is specially designed to probe SMD contacts. It features a stainless steel needle tip that is flexible to help prevent damage to SMD lands. The tip is curved to aid in probing hard to reach areas.

Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1200 Vrms Max. Do not use on circuits where transient stresses can exceed the rated voltage.

Maxigrabber® Test Clip Set with Pincer



| Model# | Color |
|--------|---------------|
| 5910B | Red and Black |

Includes set of 2, one red and one black.

Pincer Opening: 0.080in (2.03mm) dia. test point.

Rating: Overvoltage CAT III, 1000V, 10A per IEC61010-031.

Maxigrabber® Test Clip Set with Hook



| Model# | Color |
|--------|---------------|
| 5911B | Red and Black |

Includes set of 2, one red and one black.

Hook Fits Test Points to: 0.060in (1.52mm) diameter.

Hook Opens to: 0.25in (6.5mm).

Rating: Overvoltage CAT III, 1000V, 10A per IEC61010-031.

Maxigrabber® Test Clip Set with Jaws



| Model# | Color |
|--------|---------------|
| 5912B | Red and Black |

Includes set of 2, one red and one black.

Jaw Opening: 0.50in (12.70mm) dia.

Rating: Overvoltage CAT III, 1000V, 10A per IEC61010-031.

Insulation Piercing Maxigrabber® Test Clip Set



| Model# | Color |
|--------|---------------|
| 5913 | Red and Black |

Includes set of 2, one red and one black.

Pierces insulation to make connection on wire up to 0.144in (3.66mm) diameter.

Rating: 1000 Vrms max, 10A. Do not use on circuits where transient stresses can exceed the rated voltage.

DMM Accessories and Kits

TwistGuard™ Test Lead Set



| Model# | Features | Plug Type | Ratings |
|--------|------------------------------|---------------------|---|
| 7519A | Retractable probe tip sheath | Right-angle DMM (1) | CAT III 1000V, CAT IV 600V, CAT II 1000V* |

*per IEC61010-031
CAT II 1000V CAT II with sheath retracted

Twist and Test for Measurement Versatility and Increased Safety

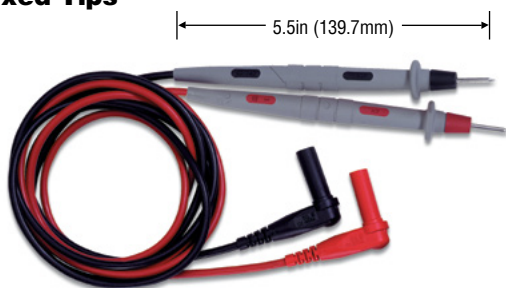
The Pomona Electronics 7519A TwistGuard™ Test Lead Set features an adjustable probe tip shroud for use in different measurement environments. By twisting the test probe, the user can change the exposed probe tip length, reducing the amount of tip exposed and any chance of an arc flash from short circuits.

The patented design offers the versatility and quality needed to instantly change the test leads from a CAT II rated probe to a CAT III/IV rated probe, allowing users to meet the latest electrical safety standards.

- TwistGuard™ feature for changing between 0.75in to 0.16in (19mm to 4mm) probe tip lengths, reducing tip exposure for increased safety.
- Probes always show correct category rating for the tip exposure used.
- Compatible with all instruments that accept standard 4mm shrouded banana plugs.
- WearGuard™ test lead wire is covered by two layers of silicone insulation, which acts as a wear indicator exposing an inner contrasting color when the leads are nicked, scuffed, or otherwise damaged and in need of replacement.
- Extra-heavy strain relief on both the probe-end and banana plug-end, tested beyond 30,000 bends without failure.
- Rubber-overmold on the probe and plug provides the user a comfortable hold and steady grip for making accurate measurements.
- CAT III 1000 V/CAT IV 600 V, 10 A max. when probe tip shroud is fully extended.
- CAT II 1000 V when probe tip shroud is retracted.



Replacement DMM Test Lead Sets with Fixed Tips



| Model# | Features | Plug Type | Ratings |
|--------|--------------------------------|------------------------|------------------|
| 5519A | Standard tip Nickel/brass | Right-angle DMM (1) | CAT III 1000V* |
| 6365 | Standard tip Nickel/brass | Straight DMM (2) | CAT III 1000V* |
| 6366 | Standard tip Nickel/brass | Retractable sleeve (5) | CAT III 1000V* |
| 5898 | Stainless steel heavy-duty tip | Right-angle DMM (1) | CAT III 1000V* |
| 5309A | Stainless steel heavy-duty tip | Stacking banana (3) | 30 Vrms/60 Vdc** |

*per IEC61010-031
CAT II 1000V without protective caps

- Monolithic probes with fixed tips.
- Durable 080 tips for long life.
- Comfort-grip probe.
- Silicone insulated 4ft (1.2m) leads fit most DMMs from Fluke, HP (Agilent), Metorman, Amprobe, Greenlee and others.

For Plug Type, see below.

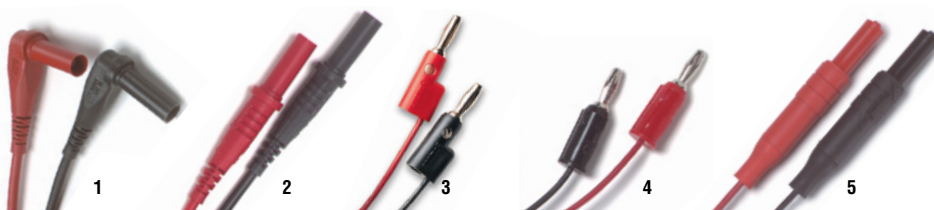
** Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.



Plug Types

1. Right-angle DMM plug*
2. Straight DMM plug*
3. Stacking banana plug
4. Straight banana plug
5. Retractable sleeve banana plug

* Shrouded DMM plugs fit most DMMs from Fluke, Metorman, HP, Keysight, Amprobe, Greenlee and others.



Replacement DMM Test Leads



Choose plug for this end from below

Plugs into probes below



| Model# | Application | Features | Ratings |
|--------|----------------------------------|---------------------------------------|----------------|
| 5907A | Hand held DMM modular test leads | Right-angle DMM plug (1) | CAT III 1000V* |
| 5908A | Bench-top DMM modular test leads | Straight DMM plugs (2) | CAT III 1000V* |
| 5909A | Hand held DMM modular test leads | Right-angle DMM plug at both ends (1) | CAT III 1000V* |
| 6358 | Universal DMM test leads | Retractable sheath DMM plugs (3) | CAT III 1000V* |

*per IEC61010-031

- Leads for Pomona Modular Test Probes.
- Plugs fit most popular DMMs from Fluke, Meterman, HP (Agilent), Amprobe, Greenlee and others.
- Silicone insulated 4ft (1.2m) leads.
- Wear indication with double insulated silicone leads for increased safety.
- Retractable sleeve plug fits all banana jacks, binding posts and DMM input jacks.

Plug Types

1. Right-angle DMM.
2. Straight DMM.
3. Retractable sheath 0.16in (4mm).

Replacement Modular Test Probes



| Model# | Probe Type | Features | Ratings |
|--------|-------------------------------|---|----------------|
| 6232A | Modular electrical probe | Standard 0.08in (2.03mm) tip | CAT III 1000V* |
| 6479 | Industrial modular probe | Stainless-steel 0.08in (2.03mm) sharp-point | CAT III 1000V* |
| 5906A | Lantern tip | Fits 4mm Jack | CAT III 1000V* |
| 5689A | Replaceable tip modular probe | Stainless-steel 0.08in (2.03mm) sharp-point | CAT II 600V |

*per IEC61010-031

- Modular probes fit all Pomona test leads.
- Lantern tip probes fit into banana jacks.

CAT II 1000V without protective cap



Replacement Modular Test Probe Sets



| Model# | Description | Probe Type | Test Lead Type | Ratings |
|--------|--|------------|----------------|----------------|
| 6286 | Standard tip with right-angle DMM plug | 6232A | 5907A | CAT III 1000V* |

*per IEC61010-031

- Modular test probes sets contain one set of modular probes and test leads in one package.
- Silicone insulated 4ft (1.2m) leads fit most meters from Fluke, Meterman, HP (Agilent), Amprobe, Keithley, Greenlee and others.

CAT II 1000V without protective cap



6232A

DMM Accessories and Kits

Insulation Piercing Clip Sets



6405

| Model# | Features | Colors |
|--------|--|------------------|
| 6405 | Attach to test leads 4in (10.2cm) long | Set of red/black |
| 6413 | Attach to 0.080in (2.03mm) probe tip (10.2cm) long | Set of red/black |

- Double V block centers wire
- Set of 2, (red and black jacks)
- Bright yellow for easy location
- Attach to test leads

Large Alligator Clip Set



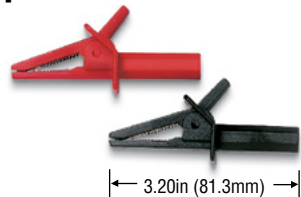
← 3.58in (90.9mm) →

| Model# | Color |
|--------|----------------------|
| 6041B | Set of 2: Black, Red |

Fits on any DMM or banana plug test lead.
Rating: IEC61010-031 CAT III 1000V 20A.

Jaw Opening: 1.0in (25.40mm).

Industrial Alligator Clip Set



← 3.20in (81.3mm) →

Model# 5914

Fits on any DMM or banana plug test lead.
Rating: IEC61010-031 CAT III 600V 10A.

Jaw Opening: to 1.0in (25.40mm).

*Std. Colors: -0 Black, -2 Red.

Medium Alligator Clip Set

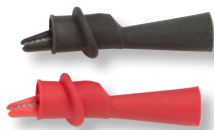


← 2.91in (73.9mm) →

| Model# | Color |
|--------|----------------------|
| 5916B | Set of 2: Black, Red |

Fits on any DMM or banana plug test lead.
Rating: CAT II 1000V, 10A.
Jaw Opening: to 0.30in. (7.62mm).

Alligator Clip Set for Test Probes



← 2.94in (74.6mm) →

| Model# | Color |
|--------|----------------------|
| 6264B | Set of 2: Black, Red |

Alligator Clip.
 Attach to probe tip.
Rating: CAT II 1000V, 10A.
 Works with comfort-grip style and modular electrical probes.

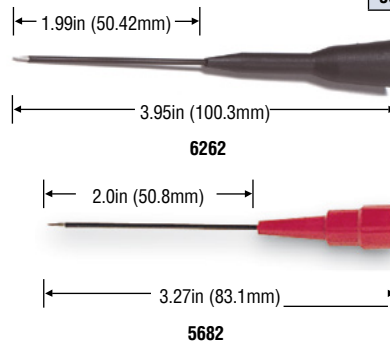
Test Lead Couplers



Model# 6252

Banana plug splice.
 Maintains overvoltage rating up to CAT III 1000V per IEC61010-031.
 Use with any Pomona DMM test leads, even 0.16in (4mm plugs).

Test Probe Tip Adapters



| Model# | Application |
|---------|---|
| 6262-02 | fits comfort-grip style and modular probes 6232A and 6479 |
| 5682-* | fits modular probe 5689A |

Extended Fine Point.
 Insulated probe for hard to reach test points.
 Maximum 3A.
Std. Colors: -02 1 ea. Black, Red.
***Std. Colors:** -0 Black, -2 Red.

Insulated Spade Lug Adapters



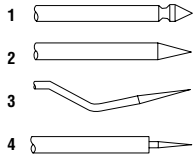
6203

| Model# | Color |
|---------|----------------------|
| 6203 | Set of 2: Black, Red |
| 1614A-* | 1 Clip |

Connect banana plug patch cords to binding posts.
 Fits screws or binding posts from #10: 0.32in to 0.25in (8.13mm to 6.35mm).
 Compatible with any Pomona banana jack shrouded or unshrouded.
***For singles, order:** -0 Black, -2 Red.

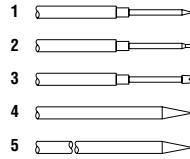


0.08in (2.03mm) Replacement Probe Tips



| Model# | Item | Features |
|--------|----------|------------------------------------|
| 5133 | 3 | SMD Microtip™ stainless-steel tip |
| 6364 | Full set | Set of all tips |
| | 1(4ea) | Nickel-plated standard tip |
| | 2(2ea) | Stainless-steel sharp point |
| | 3(2ea) | SMD Microtip™ stainless-steel tip |
| | 4(2ea) | Sharp needle-point stainless-steel |

0.04in (1.01mm) Replacement Probe Tips



| Model# | Item | Features |
|--------|----------|-----------------------------------|
| 6212 | 3 | Quad-point gold-plated pogo pin |
| 6354 | Full set | Set of all tips |
| | 1 | Sharp gold-plated |
| | 2 | Triple-point gold-plated pogo pin |
| | 3 | Quad-point gold-plated pogo pin |
| | 4 | Sharp stainless-steel |
| | 5 | 3in (76.2mm) long extended |

SMD Test Tweezer Products

| Model# | Features | Ratings |
|-----------|----------------------|---------------------------------|
| 5143-K-48 | Stacking Banana Plug | 30 Vrms / 42.4 Vpk / 60 Vdc, 3A |
| 5142-K-48 | BNC Male | 30 Vrms / 42.4 Vpk / 60 Vdc, 3A |
| 5678-K-48 | Right-Angle DMM Plug | 30 Vrms / 42.4 Vpk / 60 Vdc, 3A |

Length: 48in (1.22m)



5143



5142



5678



DMM Accessories and Kits

Create Your Own Test Leads for Your Own Specific Needs with the Following:

Test Lead Wire with Silicone or PVC Insulation



| Model# | Insulation Type | Length |
|--------|-----------------|--------------|
| 6733-* | Silicone | 50ft (15.2m) |
| 6734-* | PVC | 50ft (15.2m) |

- 50ft (15.2m) of unterminated 18 AWG test lead wire 50ft (15.2m lengths only).
- Choose from heat-resistant silicone or PVC insulation.
- Very flexible with 192 strands of 41 AWG base copper conductor.
- Wear indication with double insulated silicone leads for increased safety.
- Create your own test leads with the adapters shown below.
- Wide temperature range of -58 to 302°F (-50 to 150°C) with PVC insulation.

*Std. Colors: -0 Black, -2 Red.

See pages 31-43 for more do-it-yourself plugs.

Do-It-Yourself 4mm Right Angle Banana Plug



Model# 6729

Build your own safety leads with do-it-yourself safety-sheathed 4mm right-angle banana plug.

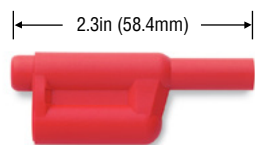
Material: Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

Rating: IEC61010 1000V Category III**, 20A, 14 to 131°F (-10 to +55°C).

*Std. Colors: -0 Black, -2 Red.

** When plug is correctly assembled and terminated.

Do-It-Yourself 4mm Stackable Banana Plug



Model# 6721

Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

Material: Contacts: nickel-plated brass, Insulation: lucel acetal polymer.

Rating: IEC61010 1000V Category III**, 20A, 14 to 131°F (-10 to +55°C).

*Std. Colors: -0 Black, -2 Red.

** When plug is correctly assembled and terminated.

Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack



6383

6384

| Model # | Type |
|---------|------|
| 6383-* | Plug |
| 6383-02 | |
| 6384-* | Jack |
| 6384-02 | |

- Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation.
- Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

See mating panel jacks (6387 on page 36).

Material: Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

Attaches to wire by crimp or soldering.

Rating: IEC61010 CAT II 300V, 15A, +275°F (+135°C) max.

*Std. Colors: -0 Black, -2 Red, -02 Black and Red (2 per pkg).

*Sold in pkgs of 10.

Kelvin Probes



Model# 6303

For 4-wire and 2-wire measurements. Patented design for high precision rapid testing.

Gold-plated for accuracy.

Easily move from one test point to another for rapid readings.

For use with 4-wire Kelvin meters such as Agilent 34401A, and 3458A.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum

Length: 48in (122cm)

Kelvin Lead Set with Kelvin Clips



Model# 6730

- Gold-plated Kelvin clip jaws allow 4-wire resistive measurements.
- Silicone insulated 3.3ft (1m) test lead.
- Safety sheathed straight DMM plugs for convenient bench use.
- Clips firmly grip test points for low-loss connection.

Rating: 30 Vrms/42.4 Vpk/60 Vdc 2A Max.

Kelvin Clip Set



Model# 5940

Two gold-plated clips connect to test points for 4-wire resistive measurement.

Clips open to 0.25in (6.35mm) maximum.

Gold-plated plugs and clips.

Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

Overall Length: 26.5in (67.3cm).

*see rating message at start of section.

Find the right accessory for your test tools



Digital multimeter

FLUKE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|--------------|-----------------------|-----------------------|-----------------------|
| 179 | 7519A | 6343 | 5904A |
| 233 | 7519A | 5900A | 6172A |
| 114/117 | 7519A | 5900A | 5673B |
| 115 | 6275 | 6343 | 5543B |
| 287 | 6341 | 5674C | 6340 |
| 289 | 7519A | 5899A | 6173A |
| 87V | 5519A | 5673B | 4408 |
| 3000 FC | 7519A | 5899A | 5677B |
| 279 FC | 7519A | 5899A | 5677B |
| 8845A/8846A | 5519A | 5901B | 6204A |



Electrical tester

FLUKE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|--------------|-----------------------|-----------------------|-----------------------|
| T5 | 6041B | 6232A | 5912B |
| T+/T+Pro | 6041B | 6232A | 5912B |
| T6 | 6041B | 6232A | 5912B |



Clamp meter

FLUKE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|-------------------|-----------------------|-----------------------|-----------------------|
| 902/902 FC | 5907A | 6041B | 5900A |
| 323/324/325 | 5900A | 7519A | 5904A |
| 353/355 | 5907A | 6041B | 5673B |
| 370 Series/FC/381 | 5913 | 7519A | 6173A |



Insulation multimeter

FLUKE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|--------------|-----------------------|-----------------------|-----------------------|
| 1503/1507 | 5907A | 6041B | 5674C |
| 1587/1587 FC | 5907A | 6041B | 5906A |

DMM Accessories and Kits



Process tools

FLUKE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|--------------|-----------------------|-----------------------|-----------------------|
| 725/726 | 5912B | 5900A | 6173A |
| 787/789 | 7519A | 5900A | 6173A |



Portable oscilloscope

FLUKE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|---------------|-----------------------|-----------------------|-----------------------|
| 190 Series II | 6146 | 72941 | 72942 |
| 120B Series | 6146 | 72941 | 72942 |



Digital multimeter

AMPROBE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|--------------|-----------------------|-----------------------|-----------------------|
| AM-510 | 5907A | 6041B | 5673B |
| AM-530 | 5519A | 5900A | 5673B |



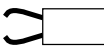

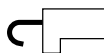

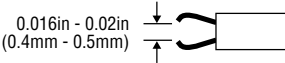



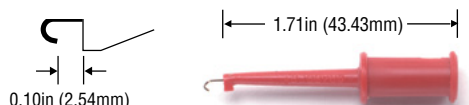

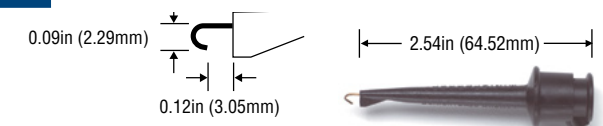



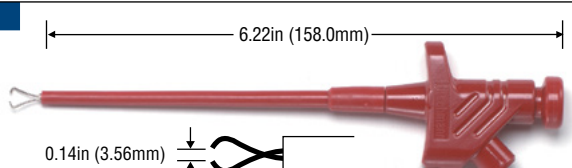
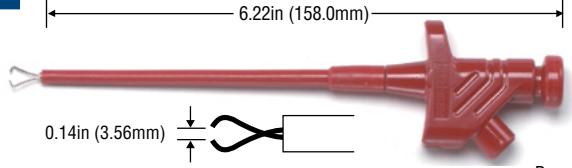
Clamp multimeter

AMPROBE

| Model Number | Pomona Recommended #1 | Pomona Recommended #2 | Pomona Recommended #3 |
|--------------|-----------------------|-----------------------|-----------------------|
| AMP-220 | 5907A | 6041B | 5673B |
| AMP-330 | 5519A | 5900A | 5673B |
| ACD-14-PRO | 7519A | 5900A | 6173A |

Grabbers and Test Clips

Pomona Electronics' Grabber[®] Test Clips connect rapidly to component test leads, terminals and IC leads. Specially designed tips slide easily onto wire-wrap terminals. And do-it-yourself Grabber test clips can be assembled quickly and easily by the user.

| | |
|--|---|
|  <p>Minipincer SMD Grabber Page 75</p> |  <p>Minigrabber Page 74</p> |
|  <p>Micrograbber Page 75</p> |  <p>Rotating Micrograbber Page 75</p> |
| <p>SMD</p>   <p>Page 79</p> | |
| <p>Micro</p>   <p>Page 75</p> | |
| <p>Micro</p>   <p>Page 75</p> | |
| <p>Mini</p>   <p>Page 74</p> | |
| <p>SMD</p>   <p>Page 75</p> | |
| <p>Maxi</p>   <p>Page 75</p> | |

Minigrabber[®] Test Clip with Banana Jack

Model# 4723-*

Banana Jack built into plunger.

Overall Length: 2.54in (64.52mm).

Rating: Maximum voltage for *hands free use*: 300V, 5A, 216°F (+102°C) max.

*Std Colors: -0 Black, -2 Red.



Do-It-Yourself Minigrabber[®] Test Clips

| Model# | Max. Wire Dia. | Temperature |
|--------|------------------|---------------|
| 3925-* | 0.090in (2.29mm) | 216°F (102°C) |
| 4555-* | 0.144in (3.55mm) | 300°F (149°C) |

Overall Length: 2.35in (59.69mm).

Rating: Maximum voltage for *hands free use*: 300V, 5A, 216°F (+102°C) max.*

Std Colors: -0 Black, -2 Red.



| Model# | Features |
|---------|---|
| 4176-02 | Kit contains 2 pcs. of 3925, one black/one red |
| 5522 | Kit contains 10 pcs. of 3925, one of each color |

Minigrabber[®] Test Clip with Pin Tip Jack

Model# 4826-*

A pin jack is built right into the plunger, allowing this test clip to be attached directly to the end of a pin tip patch cord. It can also be used as an adapter for test probes with 0.080in (2.03mm) tips.

Overall Length: 2.54in (64.52).

Rating: Maximum voltage for *hands free use*: 300V, 5A, 216°F (+102°C) max..

*Std Colors: -0 Black, -2 Red.



Oscilloscope Probe Tip Adapter

| Model# | Probe Type |
|--------|----------------|
| 6553 | Modular Series |

- Adapter attaches directly to the oscilloscope probe tip.
- Designed for use with Micro SMD Grabber Test Clips.



6553

Ratings: The components in this section have a hands free rating for use in controlled voltage environments. However, for CE compliance these products are not intended for hand held use at voltages above 33 Vrms/70 Vdc.

Grabbers and Test Clips

SMD Grabber® Test Clip with 0.025in (0.635mm) Square Pin



| Model# | Features |
|--------|-------------------|
| 5360 | Sold Individually |

Pincer type contact designed for testing 0.05in (1.25mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

0.15in (3.81mm) sq. access hole leads to 0.025in (0.635mm) sq. pin.

Overall Length: 1.73in (43.94mm).

Rating: Maximum voltage for *hands free use:* 150V. 0.5A, 216°F (+102°C) max.

*Std Colors: -0 Black, -2 Red.

0.025in (0.635mm) Square Pin Patch Cords available, see page 53.

Do-It-Yourself SMD Grabber® Test Clips



| Model# | Max. Wire Dia. |
|--------|---|
| 5243-* | 0.090in (2.29mm) |
| 5520 | Kit containing 10 pcs of 5243 one of each color |

Pincer type contact designed for testing 0.05in (1.27mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

Overall Length: 1.71in (43.43mm).

Rating: Maximum voltage for *hands free use:* 150V. 0.5A, 216°F (+102°C) max.

*Std Colors: -0 Black, -2 Red.

Do-It-Yourself Micrograbber® Test Clips



| Model# | Features |
|--------|--------------------------------------|
| 4233-* | -0 Black, -2 Red, -5 Green, -9 White |

Overall Length: 1.71in (43.43mm).

Material: Gold plated brass

Rating: 150V, 3A, +216°F (+102°C) max.

For hook dimensions see page 74.

Micrograbber® Test Clip with 0.025in (0.635mm) Square Pin



| Model# | Features |
|--------|-------------------|
| 4521* | Sold individually |

*Std Colors: -0 Black, -2 Red.

Do-It-Yourself Flexible Maxigrabber® Test Clips



| Model# |
|--------|
| 5830-* |

Rotating pincer type contact for easier access. Standard banana jack and screw for direct wire termination.

Overall Length: 6.22in (157.9mm).

Rating: Maximum voltage for *hands free use:* 250V.

*Std Colors: -0 Black, -2 Red.

For pincer dimensions see page 74.

Do-It-Yourself Minipincer® Test Clip



| Model# |
|--------|
| 5418-* |

Pincer type contact.

Overall Length: 2.59in (65.79mm).

Rating: Maximum voltage for *hands free use:* 300V. 5A, 176°F (+80°C) max.

*Std Colors: -0 Black, -2 Red

For pincer dimensions see page 74.

Miniature Alligator Test Clip with 2mm Banana Jack



| Model# |
|--------|
| 5788-* |

Jaw Opening: 0.24in (6.10mm) max.

Overall Length: 1.57".

Rating: 45V, +80°C (+176°F) max.

*Std. Colors: -0 Black, -2 Red.

Sold in pkgs of 10 per color.

Mini-alligator Clip with 2mm Jack



| Model# | Color |
|---------|-------|
| 72924-0 | Black |
| 72924-2 | Red |

Rating: 600V CAT II, 10A.

Medium Alligator Clip Set



| Model# | Features |
|--------|------------------------------|
| 5916B | Set of 2 Clips Black and Red |

Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A, 5909A.

Jaw Opening: 0.30in (7.62mm) max.

Overall Length: 2.91in (73.9mm).

Rating: CAT II 1000V, 10A.

Large Alligator Clip Set



| Model# | Features |
|---------|------------------------------|
| 6041B | Set of 2 Clips Black and Red |
| 6042B-* | 1 Clip |

Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A and 5909A (p. 63).

Jaw Opening: 1.0in (25.40mm) max.

Overall Length: 3.5in (88.90mm).

Rating: Conforms to IEC61010-2-031, Overvoltage CAT III, 1000V, 20A max.

Alligator Test Clip to Banana Jack, with Insulator, Solderable



| Model# | Plating | Features |
|--------|---------|------------------------------|
| 2240-* | Nickel | 10 clips and insulators/pkg. |
| 6567 | Nickel | 10 clips w/o insulators/pkg. |

Jaw Opening: Alligator clip has 0.30in (7.62mm) max.

Overall Length: 2.16in (54.86mm).

Rating: Maximum voltage for *hands free use:* 150V. 5A, 122°F (+50°C) max.

*Std Colors: -0 Black, -2 Red.

Sold unassembled.

SMD/Micro Format Test

Components and circuit boards are getting smaller and smaller. Pomona makes your job easier by providing clips and leads designed for micro-test, including a variety of 2mm connectors for use in tight spaces. From clips designed for chip pitches down to 0.008in (0.2mm), to patch cords, and even complete SMD test kits, Pomona has the connection you need.

SMD Multi-Use Test Kit



Model# 72928

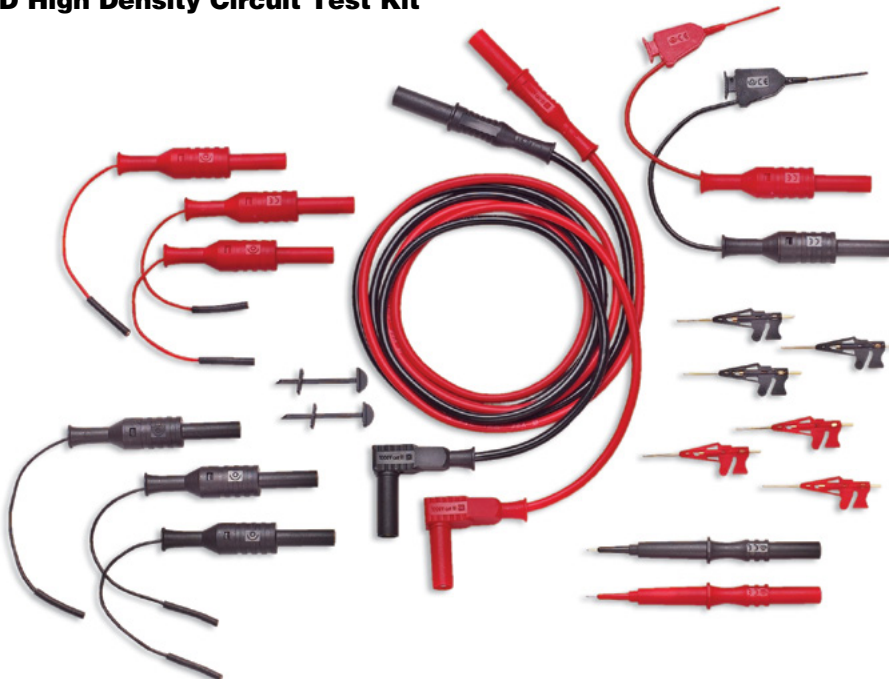
SMD test kit designed for multiple small format test applications.

Kit includes:

- 1.72902-0 Micro SMD Grabber Test Clips, (Black)
- 2.72902-2 Micro SMD Grabber Test Clips, (Red)
- 3.72906-0 Mini SMD Grabber Test Clips, (Black)
- 4.72906-2 Mini SMD Grabber Test Clips, (Red)
- 5.72905-0 Clip lead for Micro SMD Grabber - 0.8mm female/4 mm female, (Black)
- 6.72905-2 Clip lead for Micro SMD Grabber - 0.8mm female/4 mm female, (Red)
- 7.5908A Bench-top DMM Modular Test leads
- 8.72920-39-0 Multi-stacking 2mm safety sheathed patch cords, PVC, 100mm (39in), (Black)
- 9.72920-39-2 Multi-stacking 2mm safety sheathed patch cords, PVC, 100mm (39in), (Red)
- 10.72923-0 SMD test probe with sharp, spring mounted tip, 2mm jack, (Black)
- 11.72923-2 SMD test probe with sharp, spring mounted tip, 2mm jack, (Red)
- 12.72917-0 4mm banana plug to 2mm sheathed banana jack adapter, (Black)
- 13.72917-2 4mm banana plug to 2mm sheathed banana jack adapter, (Red)
- 14.72924-0 Mini-alligator clip with 2mm jack, (Black)
- 15.72924-2 Mini-alligator clip with 2mm jack, (Red)

Large Folding Test Kit Pouch

SMD High Density Circuit Test Kit



Model# 72935

SMD test kit designed for probing high density circuits.

Kit includes: 2 DMM leads with 4mm plugs, 2 test probes with spring-loaded tips, 6 micro SMD grabbers (72902), 6 adapter leads 0.8mm female to 0.4mm jack, 2 mini SMD grabbers with 4mm connectors, 2 holding rods (72903).

SMD/Micro Format Test

Micro SMD Grabber Test Clips Kit



| Model# | Includes |
|--------|----------------------------|
| 72902 | 12 clips, 12 leads, 6 rods |

Kit of 12 Micro SMD Grabbers in 6 colors. Grabbers are designed for easy attachment to SMD chips with pitches down to 0.008in (0.20 mm). Thin yet durable design permits attachment with close spacing in tight areas. Insulated tip minimizes shorting on adjacent pins. Gold plating for low resistance connections. Kit also includes 6 holding rods to reinforce connection positions during side-by-side measurements (order Model# 72903). In addition, kit includes 12 micro leads with 0.8mm female/0.8mm male connectors.

Micro SMD Grabber Test Clips



| Model# | Color |
|---------|-----------------|
| 72902-0 | Singles - Black |
| 72902-2 | Singles - Red |

Designed for easy attachment to SMD chips with pitches down to 0.008in (0.20 mm). Thin yet durable design permits attachment with close spacing in tight spaces. Insulated tip minimizes shorting on adjacent pins. Gold plating for low resistance connections. Holding rods available to reinforce connection positions during side-by-side measurements (order Pomona model number 72903). Order Pomona model number 72905-0 for clip lead for Micro SMD Grabber—0.8mm female/4 mm female (black) or 72905-2 (red) for easy attachment to standard test leads. 72902 includes one black and one red clip. (Black).

Clip lead for Micro SMD Grabber 0.8mm/2mm



| Model# | Color |
|---------|-------|
| 72904-0 | Black |
| 72904-2 | Red |

Clip lead for easy attachment of Micro SMD Grabber to test leads with 2mm plugs. 0.8mm female/2 mm female.

Clip lead for Micro SMD Grabber 0.8mm/4mm



| Model# | Color |
|---------|-------|
| 72905-0 | Black |
| 72905-2 | Red |

Clip lead for easy attachment of Micro SMD Grabber (Pomona 72902) or Mini SMD Grabber (Pomona 72906) to standard test leads. 0.8mm female/4 mm female.

Mini SMD Grabber Test Clips



| Model# | Color |
|---------|-------|
| 72906-0 | Black |
| 72906-2 | Red |

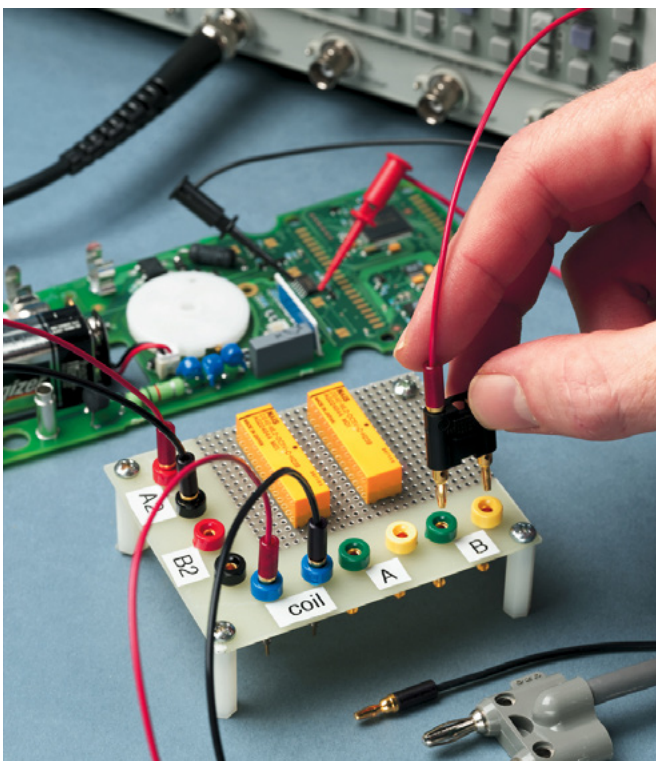
Designed for easy attachment to SMD chips with pitches down to 0.032in (0.80 mm). Insulated shaft can be bent up to 36 degrees for versatile attachment in awkward locations or close proximity to other clips. Rotating jaws increase versatility in connection and stacking. Thin (3mm) profile allows close placement to adjacent clips. Compatible with leads with 0.80 mm female connectors. Order Pomona model number 72905-0 for clip lead for SMD Mini Grabber—0.8mm female/4 mm female (black) or 72905-2 (red) for easy attachment to standard test leads.

Holding Rods for Micro SMD Clips



| Model# 72903 |
|--------------|
|--------------|

Holding rods reinforce 72902 connection positions during side-by-side measurements. (10/pkg).



Mini SMD Grabber Test Clip with Lead and 2mm Jack



| Model# | Color |
|------------|-------|
| 72907-20-0 | Black |
| 72907-20-2 | Red |

Mini SMD Grabber Test Clip (Pomona 72906) with 20 inch (50cm) lead and 2mm Jack.

SMD Test Probe with Sharp, Spring Mounted Tip



| Model# | Color |
|---------|-------|
| 72923-0 | Black |
| 72923-2 | Red |

SMD test probe with sharp, spring mounted tip and 2mm jack. Provides ultra-fine control for probing high density SMD circuits. Very fine 0.03in (0.7mm) diameter stainless steel tip is spring-mounted for controlled pressure. Removable, clear IC insulator cap prevents shorting of adjacent IC logos. Sheathed 2mm receptacle adapts to 2mm test leads and adapters.

Rating: 600V CAT III, 1A.

Mini SMD Grabber Test Clip with Lead and 4mm Jack



| Model# | Color |
|------------|-------|
| 72929-20-0 | Black |
| 72929-20-2 | Red |

Mini SMD Grabber Test Clip (Pomona 72906) with 20 inch (50cm) lead and 4mm Jack for easy attachment to DMM leads.

Do-it-yourself 2mm Stackable Safety Sheathed Plug



| Model# | Color |
|---------|-------|
| 72925-0 | Black |
| 72925-2 | Red |

Rating: 600V CAT II 10A.

Multi-stacking 2mm Safety Sheathed Patch Cords



| Model# | Length | Color |
|------------|--------------|-------|
| 72920-20-0 | 20in (50cm) | Black |
| 72920-20-2 | 20in (50cm) | Red |
| 72920-39-0 | 39in (100cm) | Black |
| 72920-39-2 | 39in (100cm) | Red |

Multi-stacking 2mm safety sheathed male/male patch cords, PVC.

Rating: 600V CAT II, 10A max.

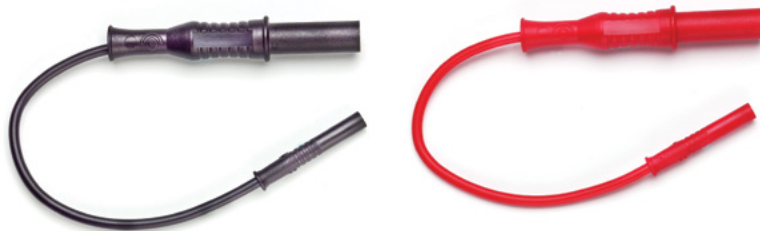
2mm Safety Sheathed Patch Cords



| Model# | Length | Color |
|------------|--------------|-------|
| 72919-39-0 | 39in (100cm) | Black |
| 72919-39-2 | 39in (100cm) | Red |

2mm safety sheathed male/male patch cords, PVC.

2mm/4mm Male-male Test Leads



| Model# | Length | Color |
|---------|----------------|-------|
| 72936-0 | 3.9in (99.1mm) | Black |
| 72936-2 | 3.9in (99.1mm) | Red |

Provides a quick and easy configuration between a 4mm sheathed banana jack to a 2mm sheathed banana jack.

SMD/Micro Format Test

Mini-alligator Clip with 2mm Jack



| Model# | Color |
|---------|-------|
| 72924-0 | Black |
| 72924-2 | Red |

Rating: 600V CAT II, 10A.

Rotating Micrograbber® Test Clip with Two 0.025in (0.635mm) Square Pins



| Model# | Features |
|--------|-------------------|
| 5790-* | Sold individually |

Use when testing IC leads at 0.05in (1.25mm) pitch or in other tight situations. Pincers rotate for ease of access.

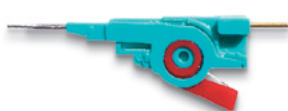
Overall Length: 2.12in (53.85mm)

Rating: 33 Vrms/70 Vdc

*Std Colors: -0 Black, -2 Red.

Micro SMD Grabber® Test Clip for 0.05 to 0.01in (1.25 to 0.2 mm) Lead Pitch

| Model# | Profile Height | Lead Pitch | Tip | Qty | Colors |
|--------|------------------|----------------------------|-------|-----|--------|
| 6442 | 0.28in (7mm) low | 0.05 -0.01in (1.25 -0.3mm) | Long | 10 | 10 |
| 6351 | 0.55in 14mm | 0.03 -0.01in (0.85 -0.2mm) | Long | 10 | 2 |
| 6352 | 0.55in 14mm | 0.05 -0.01in (1.25 -0.3mm) | Long | 10 | 2 |
| 6353 | 0.55in 14mm | 0.05 -0.01in (1.25 -0.3mm) | Short | 10 | 2 |



- Use with PQFP, SOIC, TSOP and SSOP packages with lead pitches down to 0.01 to 0.02in (0.2 to 0.5 mm).

- Thin body allows an unlimited number of clips to be stacked side by side.

- Maximum frequency is 100MHz.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

Maximum voltage for hands free use: 70 Vrms max.

Supplied with female to male flying leads.

2mm Safety Sheathed Jacks



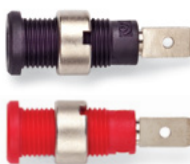
| Model# | Color |
|---------|-------|
| 72921-0 | Black |
| 72921-2 | Red |

2mm safety sheathed jack with 1.9mm wire wrap connecting pin.

Materials: Contacts: Nickel plated brass. Insulation: Polyamide.

Rating: 600V CAT II, 10A.

2mm Safety Sheathed Jack with Solder Tab



| Model# | Color |
|---------|-------|
| 72922-0 | Black |
| 72922-2 | Red |

Materials: Contacts: Nickel plated brass, Insulation: Polyamide.

Rating: 600V CAT II, 10A.

4mm Safety Banana Jack to 2mm Banana Plug Adapter



| Model# | Color |
|----------|-----------------------|
| 72914-02 | One Black and One Red |
| 72914-0 | Black |
| 72914-2 | Red |

Accepts 4mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac/70 Vdc, 36A

4mm Banana Plug to 2mm Sheathed Banana Jack Adapter



| Model# | Color |
|---------|-------|
| 72917-0 | Black |
| 72917-2 | Red |

Accepts 2mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac/70 Vdc, 10A.

Oscilloscope Probes and Accessories

Pomona's oscilloscope probes give you the full range you need designed, rated, and specified to match the bandwidth of your instrument, they provide you with full voltage read-out over the entire rated bandwidth of each probe.

Modular Passive Oscilloscope Probes



Featuring a new, compact, ergonomically designed probe handle, these modular general purpose passive voltage probes are ideal for use with a wide variety of oscilloscopes. They also feature a spring-loaded, pogo-pin replaceable tip. The fine tip probes are perfectly suited for probing high-density chip leads with less than 0.060in (1.52mm) spacing. Modular in design, the probe handle is capable of receiving a variety of spring-loaded and fixed tips, providing greater testing versatility. An affordable, versatile probe for many uses.

Probe sets includes the probe, BNC adapter, ground blade, 8.7in (22cm) ground lead, IC tip adapters with 0.8mm to 1.27mm pitch, insulating tip, protection cap, solid tip, spring tip, sprung hook, trimmer tool, 2 footer positioner, and complete set of instructions and specifications.

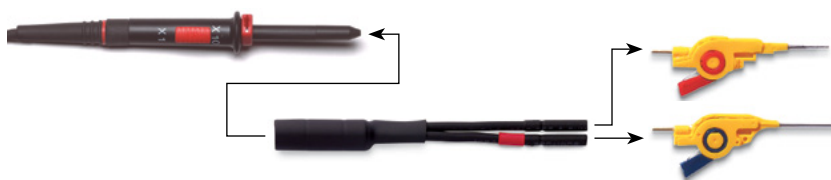


| Model# | Probe Ratio | Maximum Input Voltage CAT II ¹ | Recommended Scope Bandwidth MHz | Bandwidth MHz (-3dB) (Probe) (System) | System Risettime (ns) | Probe Input Resistance (MΩ) | Probe Input Capacitance (pF) | Compensation Range (pF) | Readout Actuator ² | Cable Length |
|--------|-------------|---|---------------------------------|---------------------------------------|-----------------------|-----------------------------|------------------------------|-------------------------|-------------------------------|--------------|
| 6491 | 1:1 | 55 V | 60 | 30 | < 12 | 1 | < 39.5 | - | - | 4ft (1.2m) |
| 6493 | 10:1 | 300 V | 60 | 150 | < 2.4 | 10 | < 12.5 | 15 - 40 | No | 4ft (1.2m) |
| 6494 | 10:1 | 300 V | 60 | 150 | < 2.4 | 10 | < 12.5 | 15 - 40 | Yes | 4ft (1.2m) |
| 6495 | 10:1 | 300 V | 100 | 250 | < 1.4 | 10 | < 12.5 | 10 - 35 | No | 4ft (1.2m) |
| 6496 | 10:1 | 300 V | 350 | - | 350 | < 1 | < 14.5 | 10 - 35 | No | 4ft (1.2m) |
| 6497 | 10:1 | 300 V | 350 | - | 350 | < 1 | < 14.5 | 10 - 35 | Yes | 4ft (1.2m) |
| 6498 | 100:1 | 1000 V | 500 | - | 400 | < 0.9 | < 7.5 | 10 - 50 | No | 6.6ft (2m) |
| 6499 | 1:1 | 55 V | 60 | 20 | < 18 | 1 | < 78 | - | No | 4ft (1.2m) |
| | 10:1 | 300 V | 60 | 150 | < 2.4 | 10 | < 13 | 15 - 40 | No | 4ft (1.2m) |
| 6500 | 1:1 | 55 V | 100 | 30 | < 12 | 1 | < 80 | NA | No | 4ft (1.2m) |
| | 10:1 | 300 V | 100 | 250 | < 1.4 | 10 | < 13 | 10 - 35 | No | 4ft (1.2m) |

Replacement Accessory Kit: 73040

Kit includes:
 Retractable Hook Tip
 BNC Adapter
 Insulating Tip
 Trimmer Tool
 8.7in (22cm) Ground Lead with Alligator Clip
 1 ea. Rigid Probe Tip
 1 ea. Spring Probe Tip

Oscilloscope Probe Tip Adapter Model# 6553



This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

Pomona adapters with 0.025in (0.635mm) pins

5360
 5790
 6351
 6352
 6353
 6490
 6442

All "IC" test clips

¹ Rating: Per IEC61010-031. Maximum voltage allowed on the low or ground connection including shell and housing must not exceed 30V.

² Any oscilloscope that uses the Tektronix® style range actuator

Oscilloscope Probes and Accessories

Microline Passive Oscilloscope Probes



500 MHz X10 Passive Voltage Probe 4ft (1.2m) cable, 500V peak.

The perfect solution for accessing hard-to-reach test points, particularly fine pitch IC leads. The Microline Probe features a 500 MHz X10 passive voltage probe compactly designed for on-the-go field service or in the lab.

Pomona adapters with 0.025in (0.635mm) pins

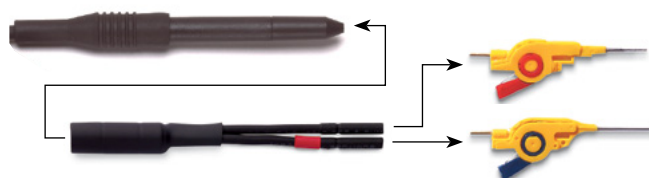
5360
5790
6351
6352
6353
6490
6 442
All "IC" test clips



Replacement Accessory Kit: 73040

Kit includes:
Retractable Hook Tip
BNC Adapter
Insulating Tip
Trimmer Tool
8.7in (22cm) Ground Lead with Alligator Clip
1 ea. Rigid Probe Tip
1 ea. Spring Probe Tip

Oscilloscope Probe Tip Adapter Model# 6553



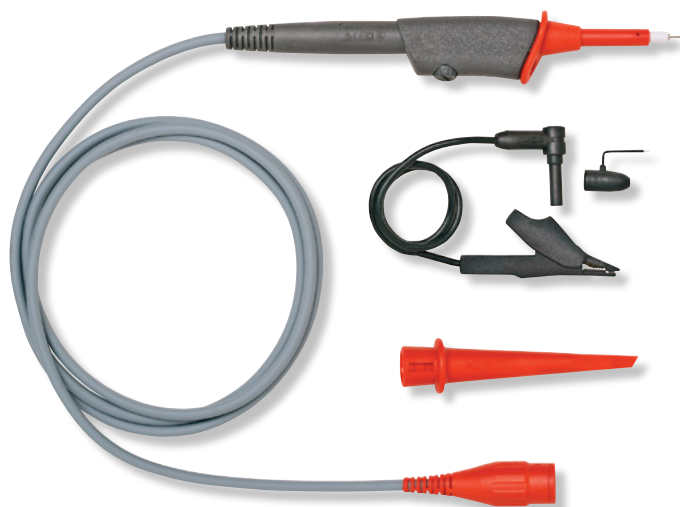
This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

| Model# | Probe Ratio | Maximum Input Voltage CAT I ¹ | Recommended Scope Bandwidth MHz | System Bandwidth MHz (-3dB) | System Risetime (ns) | Probe Input Resistance (MΩ) | Probe Input Capacitance (pF) | Compensation Range (pF) | Readout Actuator ² | Cable Length |
|--------|-------------|--|---------------------------------|-----------------------------|----------------------|-----------------------------|------------------------------|-------------------------|-------------------------------|--------------|
| 6551 | 10: 1 | 300 V | 500 | 500 | < 0.7 | 10 | < 11 | 10 - 20 | Yes | 4ft (1.2m) |
| 6554 | 10: 1 | 300 V | 500 | 500 | < 0.7 | 10 | < 11 | 10 - 20 | No | 4ft (1.2m) |

¹ Rating: Per IEC61010-031. Maximum voltage allowed on the low or ground connection including shell and housing must not exceed 30V.

² Any oscilloscope that uses the Tektronix® style range actuator

Insulated Oscilloscope Probes for Portable Applications



Features

- With a CAT II, 600 V (CAT III, 300 V) rating, these probes are perfect for use with portable oscilloscopes.
- And with a 500 MHz bandwidth, these probes provide plenty of headroom for those high frequency measurements.
- Fully Insulated.
- Meets IEC 61010-031.
- Ergonomic Design with Comfort Grip.

Accessories Included

- Push-On Hook Clip.
- Push-On Reference Contact.
- Reference lead with alligator clip for the connection to the 0.2 mm safety socket in the handle.

| Model# | Probe Ratio | Maximum Input Voltage CAT II ¹ | Bandwidth (MHz) | Input Resistance (MΩ) | Input Capacitance (pF) | Approximate Risetime (ns) | Compensation Range (pF) | Cable Length |
|-------------|-------------|---|-----------------|-----------------------|------------------------|---------------------------|-------------------------|--------------|
| 72940-* | 10: 1 | 600 V | 500 | 10 | 13 | 1 | 10 - 30 | 4ft (1.2m) |
| 72941 (set) | 10: 1 | 600 V | 500 | 10 | 13 | 1 | 10 - 30 | 4ft (1.2m) |
| 72942 | See page 65 | | | | | | | |

¹ Derated with frequency.

² For oscilloscopes with 1MΩ input resistance.

*Standard Colors: -2 Red, -8 Gray

Audio/Video/Broadcast

Whether setting up your own home theater or looking for connectors for that next broadcast event, Pomona audio/video/broadcast accessories get you connected reliably. From F connectors to phono jacks, look to Pomona for parts you can depend on.

BNC Female to Phono (RCA) Male

Model# 5319

Rating: Maximum voltage for *hands free use*: 500 Vrms, 216°F (+102°C) max.

BNC: Center Contact: gold-plated.



BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Mini Phone Plug

Model# 3837

Rating: Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.



BNC Male to Phono Jack

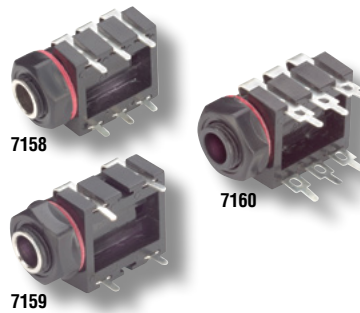
Model# 4054

Rating: Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.



1/4 in, PC Board Mount Phone Jacks

| Model# | Type |
|--------|-----------------------------|
| 7158 | PC board mount, 3-conductor |
| 7159 | PC board mount, 2-conductor |
| 7160 | PC board mount, 3-conductor |

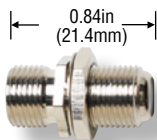


PC board mounts for connection with standard commercial phone plugs. Solderable with nickel silver contacts.

F Adapters and PCB Mount Connector

| Model# | Description |
|--------|--------------------------|
| 6802 | F (F/F) Bulkhead adapter |

Material: This 75 Ω connector is designed for fast installation with no crimping. Connector is precision machined brass with nickel plating and gold plated center contact.



6802

BNC Female to 1/4in (6.35mm) Phone Plug

Model# 1297

Rating: Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.



BNC Male to 1/4in (6.35mm) Two Conductor Phone Jack

Model# 4043

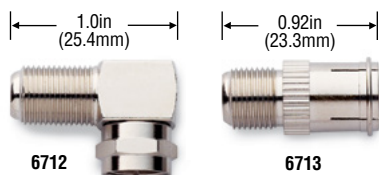
Rating: Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor phone plugs to BNC.



Audio/Video/Broadcast

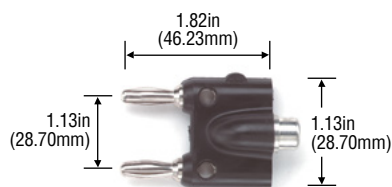
F Within Series Adapters



| Model# | Type |
|--------|--------------------------|
| 6712 | F (m/f) Right angle |
| 6713 | F (m/f) In line, Push-on |

Material: Machined, nickel-plated brass

Phono Jack to Double Stacking Banana Plug



Model# 1442

Rating: Maximum voltage for *hands free use*: 500 Vdc, +122°F (+50°C) max.

Permits phono plug to be used with equipment having standard banana jacks or binding posts.

1/4 in Plug/RCA Jack



6878

Two pole mono-to-mono adapters in easy-to-use configurations. Contacts are nickel-plated brass.

RCA (phono) Jack



6880

Sleek silver and gold compact design. Handles up to 6.0mm (0.24in) O.D. cable. Body is made of die cast zinc alloy with tarnish resistant nickel-plating. Contacts are gold-plated brass.

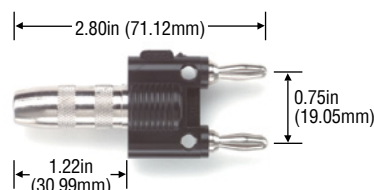
RCA (phono) Plug



6881

Sleek silver and gold compact design. Handles up to 6.0mm (0.24in) O.D. cable. Body is made of die cast zinc alloy with tarnish resistant nickel-plating. Contacts are gold-plated brass.

1/4in (6.35mm) Phone Jack to Double Stacking Banana Plug



Model# 4044

Rating: Maximum voltage for *hands free use*: 500 Vrms, +122°F (+50°C) max.

2 conductor 0.25in (6.35mm) dia. phone jack.

Automotive

Offering a variety of test accessories designed specifically for the automotive environment, Pomona simplifies automotive diagnostics. Pomona automotive accessories give you access to wiring or cables in congested engine compartments, under-dash wiring harnesses, and other generally hard-to-reach places.

Insulation Piercing Clip Sets

| Model# | Features | Colors |
|--------|--------------------------------------|------------------|
| 6405 | Attach to test leads | Set of red/black |
| 6413 | Attach to 0.080in (2.03mm) Probe tip | Set of red/black |

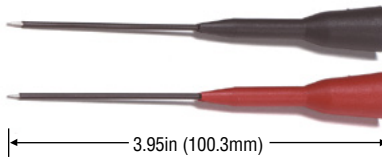


6405

- Double V block centers wire.
- 6405, 6413: set of 2, (red and black jacks).
- Bright yellow for easy location.
- Attach to test leads.

Rigid Backprobe Pin

Model# 6262-02



- Sharp point to pierce insulation or weather boot up to 2in (50.8mm) deep.
- For low voltage use < 30V.
- Set of 2 (red + black).
- Fits comfort-grip style and modular probes 6232A and 6479.

Insulation Piercing Maxigrabber® Test Clip Set

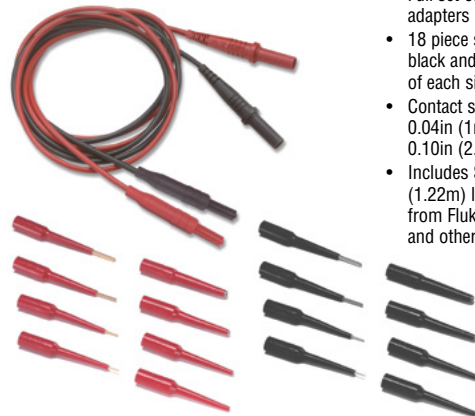
Model# 5913



- Insulated probe for hard to reach test points.
- Set of 2, red and black.

Test Connector Adapter Set

Model# 6481



- Full set of pin and socket adapters
- 18 piece set includes one black and red pin and socket of each size.
- Contact sizes: 0.03in (0.75mm), 0.04in (1mm), 0.06in (1.5mm), 0.10in (2.5mm).
- Includes Silicone insulated 4ft (1.22m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.

Test Lead Rack

Model# 4408M



- Magnetic, attach to tool box or other steel cabinet.
- Neat storage for leads.
- Easy access.

Coaxial Lead Set Lead Set

Model# 6534



- Complete set of coaxial leads.
- Molded strain relief.
- Seven piece set from 1 to 10ft (0.3 to 3.05m).
- Standard BNC connectors fit oscilloscopes and other instruments.

Basic Backprobe Pins

Model# 6411

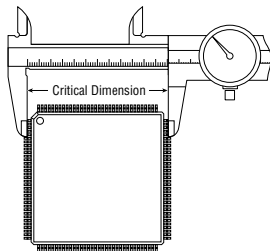


- Make connection to terminals inside connectors up to 1in (25.40mm) deep.
- For low voltage use < 30V.
- Pkg of 10.

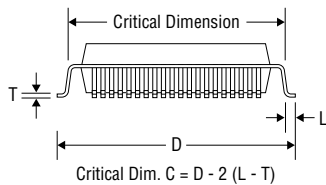
IC Test Clips and Adapters

Innovative solutions. Pomona Electronics' IC Test Clips—signed for your chip. Uniquely designed for testing surface mount devices—easily, securely and successfully. Low-profile fine-pitch chips, densely populated boards, or vertical boards, POMONA test clips connect you with confidence.

How to Measure or Calculate the Critical Dimension for Your QFP Test Clip

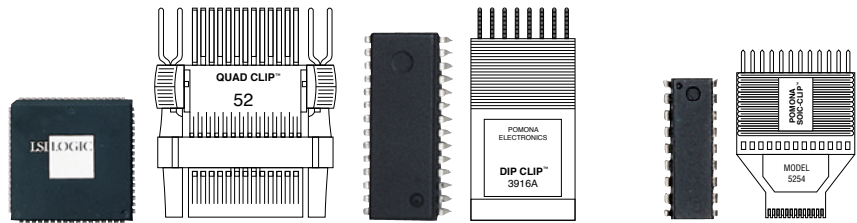


Measure Critical Dimension with calipers parallel to the plane of the PCB



Test Clip Selection Made Easy

To select the Pomona IC Test Clip specifically designed for your chip, find the table for your chip type and follow the selection procedure outlined in this section.



PLCC

To find your PLCC Quad Clip[®] test adapter, see PLCC table on page 85 and reference the following characteristics of your target chip:

1. Number of Leads
2. Body Size

DIP

To find your DIP test clip, see DIP table on page 86 and reference the following characteristics of your target chip:

1. Number of Leads
2. Test Clip Contact Style (see Fig. 1 and 2, page 86)

SOIC/SOJ

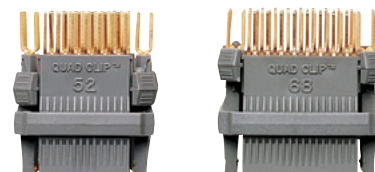
To find your SOIC Clip[®] test clip, see SOIC/SOJ table on page 86 and reference the following characteristics of your target chip:

1. Number of Leads
2. Confirm Body Width Compatibility
3. For Lower and Top Test Clip Width (see Fig. 1, 2 and 3, page 86)

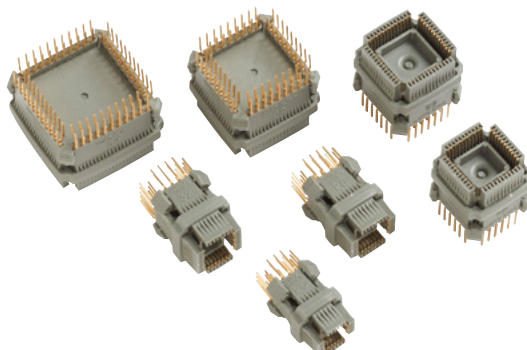
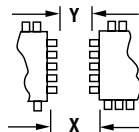
PLCC Test Clips

Pomona's low-cost Quad Clip[®] test clips quickly lock onto J-leaded PLCCs, providing easy access for testing surface-mounted devices. PLCC test clips attach to PLCC chips with a sliding cam that clamps onto the chip body. Access to chip leads is provided by 0.025in (0.635mm) pins at 0.100in (2.54mm) spacing. Pomona offers a Quad Clip[®] test clip to fit all currently available PLCC chip sizes.

Lead Pitch: 0.050in (1.27mm)



| | X Min. | Y Min. |
|------------------|-----------------|-----------------|
| Single Testing | 0.120in (3.1mm) | 0.110in (2.8mm) |
| Adjacent Testing | 0.325 (8.3mm) | 0.285 (7.2mm) |



| Model# | No. Leads | Lead Pattern | Body Size | Typical Applications |
|--------|-----------|--------------|--|--|
| 5279 | 20 | 5 X 5 | 0.36in X 0.36in (9.14mm x 9.14mm) | Intel 85C220 |
| 5280 | 28 | 7 X 7 | 0.46in X 0.46in (11.68mm x 11.68mm) | Intel 5C60, 85C224, Philips 8XC751, Raytheon TMC1173 |
| 5733 | 32 | 7 X 9 | 0.46in X 0.56in (11.68mm x 14.22mm) | AMD 29F040, Xicor X28TC256, Cypress CY7B991 |
| 5281 | 44 | 11 X 11 | 0.63in X 0.63in (16.00mm x 16.00mm) | AMD MACH110, 80C88, Siemens SAB-C501 |
| 5312 | 52 | 13 X 13 | 0.75in X 0.75in (19.05mm x 19.05mm) | Intel 87C196, 87C196, Motorola 68008 |
| 5401 | 68 | 17 X 17 | 0.95in X 0.95in (24.13mm x 24.13mm) | Intel 80C188, AMD MACH220, Hitachi H8/330 |
| 5402 | 84 | 21 X 21 | 1.15in X 1.15in (29.21mm x 29.21mm) | AMD MACH130, Altera EPF8452, Cirrus Logic CLi6005 |
| 5515A | 20-84 | - | - | PLCC Clip Kit containing 1 of each size PLCC Clip |

DIP Test Clips



Fig. 1



Fig. 2

| Model# | No. Leads | Chip Width | Contact Style | Contact Material | Typical Applications | Fig. |
|--------|-----------|----------------|---------------|------------------|-----------------------|------|
| 5014 | 14 | 0.3in (7.62mm) | Closed | Nickel Silver | – | 1 |
| 5114 | 14 | 0.3in (7.62mm) | Open | Nickel Silver | – | 2 |
| 3916A | 16 | 0.3in (7.62mm) | Closed | Nickel Silver | Analog Devices AD7715 | 1 |
| 5220 | 20 | 0.3in (7.62mm) | Open | Gold Plate | – | 2 |

Pomona DIP Test Clips provide fast, reliable and secure connections to socketed and through-hole DIP chips. Available in two styles, DIP Test Clips give you the option of full coverage of clip contacts for maximum durability or open contacts at the board level for easier access to chip leads.

Fig. 1: Spring-actuated clip features gold-plated beryllium copper or spring-tempered nickel silver pins to assure positive contact in a firm wiping action for hands-free testing.

Fig. 2: Clip features same construction as Figure 1 except for an opening on the outside of the contact housing to permit probing while the clip is attached to the DIP.

SOIC/SOJ Test Clips

SOIC Clip® test clips feature a narrow-profile design that makes testing SOIC and SOJ chips on densely-populated boards easier and safer.

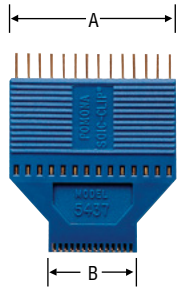


Fig. 1



Fig. 2



Fig. 3

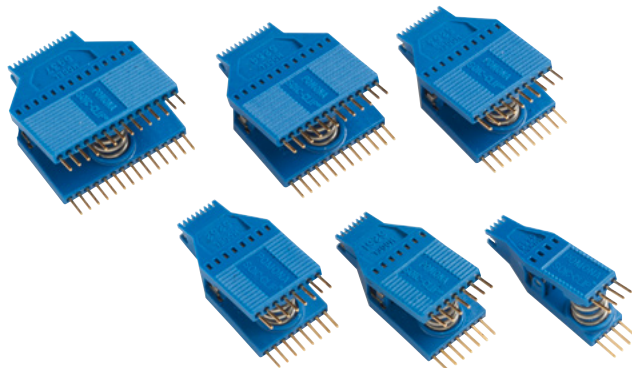
Fig. 1: Spring-loaded SOIC Clip® attaches to target chip and holds on with spring pressure against the chip body. Contacts on top of the clip are 0.025in (0.635mm) pins at 0.10in (2.54mm) spacing. Designed to attach to surface-mounted chips with either gull wing or “J” leads.

Fig. 2: This 14-pin clip features a slider that presses the contact housings against the chip and provides a more secure connection on surface mounted chips with gull wing or “J” leads. Compact design is ideal for testing on densely-populated boards.

Fig. 3: New 32-, 40- and 44-pin SOIC/SOJ test clip is a new design of the spring-loaded clip that features double-row .025 wire wrap pins for easy connection to ribbon cable. This clip will fit all SOIC/SOJ chips between 0.30in (7.62mm) and 0.60in (15.24mm) width.

| Model# | No. Leads | Lower Width (A) | Body Widths | Top Width (B) | Typical Applications | Fig. |
|--------|-----------|-----------------|--------------------------------------|-------------------|---|------|
| 5250 | 8 | 0.26in (6.60mm) | 0.15in to 0.3in (3.81mm to 7.62mm) | 0.430in (10.92mm) | Analog Devices AD834JR, Triquint TQ9122N | 1 |
| 5251 | 14 | 0.410 (10.41mm) | 0.15in to 0.3in (3.81mm to 7.62mm) | 0.755in (19.18mm) | Motorola HCT08A, Philips 74HC125 | 1 |
| 5252 | 16 | 0.460 (11.68mm) | 0.15in to 0.3in (3.81mm to 7.62mm) | 0.830in (21.08mm) | Maxim MAX791, Microlinear ML6509, AMD 26LS31 | 1 |
| 5253 | 20 | 0.560 (14.22mm) | 0.15in to 0.3in (3.81mm to 7.62mm) | 1.030in (26.16mm) | Linear Tech. LT1130, Maxim MX7226, Motorola HCT373A | 1 |
| 5254 | 24 | 0.660 (16.76mm) | 0.15in to 0.3in (3.81mm to 7.62mm) | 1.230in (31.24mm) | Altera EP610APC, Linear Tech. LT1130, Motorola MC22V10S | 1 |
| 5437 | 28 | 0.760 (19.30mm) | 0.15in to 0.3in (3.81mm to 7.62mm) | 1.430in (36.32mm) | Texas Inst. SN74F32D, Altera EPM5032, Raytheon TMC1171 | 1 |
| 6107 | 32 | 0.870 (22.10mm) | 0.30in to 0.60in (7.62mm to 15.24mm) | 0.870in (22.10mm) | Toshiba TMPN3120, Hitachi HM628128, NEC D431000AGW | 3 |
| 6108 | 40 | 1.070 (27.18mm) | 0.30in to 0.60in (7.62mm to 15.24mm) | 1.070in (27.18mm) | – | 3 |
| 5514 | – | – | – | – | SOIC Clip® Test Kit contains 1 each 8 - 28 pin clips | |

Lead Pitch: 0.050in (1.27mm).



Static Control Products

Working with static sensitive devices? Pomona enables you to work with confidence when using our static control accessories. Whether you choose to purchase our selection of grounding systems or build your own ESD set-up, Pomona gives you a variety of individual accessories. Our accessories also make a perfect addition to our Test Companion Kits.

Large Service Kit

Model# 6088



Provides a larger working area than Model 6087. This kit provides a static-safe 24in x 24in (609.6mm x 609.6mm) laminated red vinyl mat. The mat includes a 10mm snap socket and two 8in x 11in (203.2mm x 279.4mm) pockets. Carry those often used tools right with the mat. A common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead. An adjustable elastic wrist strap and a resistive coil cord complete the kit. Folds down to fit into your tool box.

Wrist Strap Tester

Model# 6086



Test any wrist strap connected to utility ground with a simple touch. The tester has two Banana Plug Sockets for Wrist Strap cord attachments. Once connected, the user simply touches the unit and a green light and audible sound indicate a proper ground. (Audible indicator has selectable on or off).

The tester can be mounted near your work area with Velcro® strips (supplied) or, using an integral button 10mm snap stud, attached directly to your static-safe work mat. Powered by a 120 Vac wall adapter (supplied), the tester has a "Power on" indicator. It is practical for both a quick test or as a continuous ground point connection. UL listed.

Touch Type On-Demand Tester and Common Point Ground.

Field Service Kit

Model# 6087



A complete and durable service kit for static sensitive work. Features a static-safe 18in x 22in (460mm x 558.8mm) laminated red vinyl mat. The kit includes a mat with two 0.39in (10mm) snap sockets, common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead, an adjustable elastic wrist strap and a resistive coil cord. Folds down to fit into your tool kit.

Model# 6088 and 6087

Mat Color: Red.
Thickness: 0.018in (0.46mm).
Surface Resistivity: 108 to 109Ω/Sq.
Volume Resistivity: 109Ω cm.
Static Decay: 0.01sec 5000V to 0V 12%RH.

Antistatic Ground Cord

Model# 5534



This patch cord features a molded-in 1 Megohm resistor at the snap end. The 5534 has a straight banana plug. Nominal extended length is 72in (183cm).

Ring Terminal

Model# 5531



Attach this terminal to table or cabinet to create a banana jack for grounding wrist strap. Screw hole accepts up to #10 screw.

Stacking Snap Banana Jack

Model# 5532



Attach this jack to either banana snap stud (male) or banana snap socket (female). It allows multiple attachment to the same grounding point. Snap is 3/8in (9.52mm).

Material: High conductivity copper with tin plated finish.

Adjustable Elastic Wrist Strap



Model# 6081

An adjustable, one size fits all, wrist strap. The wristband features a dual stainless steel cam that securely locks the plastic band, but allows easy adjustment without tools. The washable fabric band has silver impregnated nylon threads knitted into its inner surfaces. Only non-allergenic stainless steel and silver touch the skin. Standard 4mm snap stud allows attachment to resistive coil cords (Pomona modles 5534 and 6085). Wrist circumference: 2.5in (64mm) to 13in (330mm).(183cm).

Wrist Straps



| Model# | Size | Circumference – Min. |
|--------|------------|---------------------------------|
| 6083 | Adjustable | 5.5in (139mm) 13in (330.2mm) |

Made of non-allergenic stainless steel, each link has a 0.08in (2mm) PVF film laminated on top for electrical insulation. Quick and easy adjustment without tools, the wrist strap will fit most users. A standard 0.16in (4mm) snap stud allows attachment to resistive coil cords.

Material: Band: Stainless steel/PVF Insulation.

Cover: Thermoplastic.

Wrist Circumference: 5.5in to 13.0in (139.7mm x 330.2mm).

Width: 0.63in (16.0mm).

Adjustable Metal Wrist Strap Kit



Model# 6084

Complete wrist strap kit features the adjustable metal wrist strap. Also included: Resistive Coil Cord (1MΩ resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

Adjustable Elastic Wrist Strap Kit



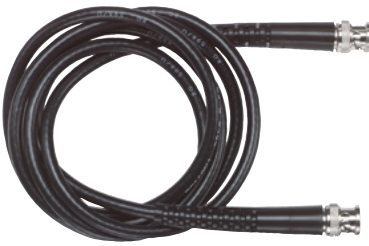
Model# 6082

A complete wrist strap kit features adjustable elastic wrist strap. Also included: Resistive Coil Cord (1MΩ resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

Telecom Products

Accuracy and repeatability—Pomona connects to the telecom industry with an impressive selection of test accessories. Ideal for network testing, troubleshooting, leave-in-the-line patching, or system prototyping, Pomona Electronics' traditional reliability adds up to the quality connection telecom professionals demand.

True 75Ω BNC Male Cable



| Model# | Length |
|-------------|-------------|
| 6510-V-12-0 | 12in (0.3m) |
| 6510-V-24-0 | 24in (0.6m) |
| 6510-V-36-0 | 36in (0.9m) |
| 6510-V-48-0 | 48in (1.2m) |
| 6510-V-60-0 | 60in(1.5m) |
| 6510-V-72-0 | 72in (1.8m) |

BNC connectors are perfectly matched to 75Ω impedance for superior VSWR and return loss performance.

Ideal for digital video and telecommunication applications.

Cable Type: High Flex, Multi-strand center conductor, RG59 Type, Black.

True 75Ω BNC Cable (Transmit/Receive)



| Model# | Length | Color |
|-------------|-------------|-------|
| 6510-V-72-2 | 72in (1.8m) | Red |
| 6510-V-72-6 | 72in (1.8m) | Blue |

Cable and Strain Relief are color coded red and blue for easy identification of transmit and receive lines.

Cable Type: High Flex, Multi-strand center conductor, RG59 Type.

75Ω BNC Male to Mini-WECO (440) Connector Cable



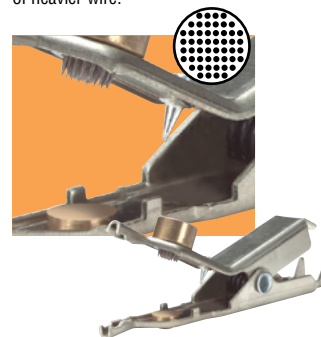
| Model# | Length |
|---------|-------------|
| 6515-96 | 96in (2.4m) |

Cable Type: RG59 Type.

Piercing Clip Styles for Test Leads and Patch Cords

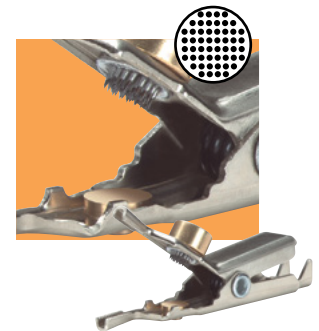
Bed of Nails/Single Needle

Small wire and single penetration of heavier wire.



Bed of Nails

Small wire penetration.



Ratings: The components in this section have a hands free rating for use in controlled voltage environments. However, for CE compliance these products are not intended for hand held use at voltages above 33 Vrms/70 Vdc.

Piercing Clips to Sheathed Banana Test Leads

| Model# | Clip Type | Length |
|------------|--------------------------------|-------------|
| 6483-48-02 | Bed of Nails and Single Needle | 48in (1.2m) |



Pierces 19 to 26 AWG Wire.
Wire: 18 AWG Silicone Test Lead Wire.
 For use with DMM's from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.
***Colors:** -02 includes both Black and Red.

Two Single Bantam Plugs to RJ48/RJ45 Connectors

| Model# | Length |
|---------|-------------|
| 6320-96 | 96in (2.4m) |



Bantam Plug: Nickel-plated brass.
Rating: Maximum voltage for *hands free use*: 300 Vrms.
Cable Type: 2 and 4 Conductor Shielded Twisted Pair. Bantam "Y" (Tx and Rx) to RJ48 modular plug.
Pin out: 1-Ring, 2-Tip, 4-Ring, 5-Tip.

Bantam Plug to Two Alligator Clips

| Model# | Length |
|---------|-------------|
| 5026-36 | 36in (0.9m) |
| 5026-60 | 60in (1.5m) |



Bantam Plug:
 5026: Unplated brass.
 5026N: Nickel-plated brass.
Rating: Maximum voltage for *hands free use*: 150 Vrms, +122°F (+50°C) max.
Cable Type: 2 Conductor Shielded Microphone, 0.180in (4.57) O.D.

Bantam Plug Patch Cord

| Model# | Length |
|---------|-------------|
| 4279-12 | 12in (0.3m) |
| 4279-24 | 24in (0.6m) |
| 4279-36 | 36in (0.9m) |
| 4279-48 | 48in (1.2m) |
| 4279-60 | 60in (1.5m) |
| 4279-72 | 72in (1.8m) |



Bantam Plug:
 4279: Unplated brass.
 4279N: Nickel-plated brass.
Rating: Maximum voltage for *hands free use*: 300 Vrms: 300 Vrms*, +122°F (+50°C) max.
Cable Type: 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.

Bantam Plug to Double Banana Plug, Balanced Line

| Model# | Length |
|---------|-------------|
| 4281-60 | 60in (1.5m) |



Bantam Plug: Unplated brass.
Rating: Maximum voltage for *hands free use*: 500V Peak, +131°F (+55°C) max.
Cable Type: 2 Conductor Shielded Microphone, 0.180in (4.57mm) O.D.

WE310 Plug to Two Alligator Clips

| Model# | Length |
|------------|-------------|
| 3352N-A-60 | 60in (1.5m) |

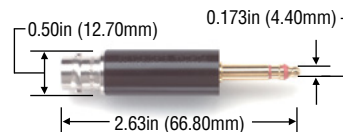


WE310 Plug:
 3352: Unplated brass.
 3352N: Nickel-plated brass.
Rating: Maximum voltage for *hands free use*: 150 Vrms., +122°F (+50°C) max.
Cable Type: 2 Conductor Twisted Pair, 0.250in (6.35mm) O.D.

BNC Female to Bantam Phone Plug

| Model# |
|--------|
| 4719 |

Rating: Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.
 Convert Bantam style jacks to BNC.



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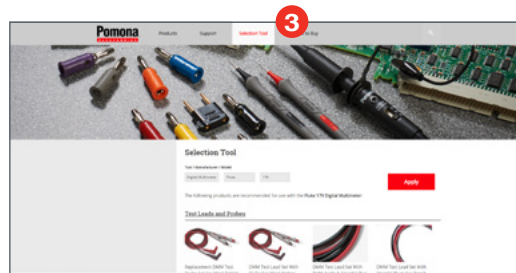
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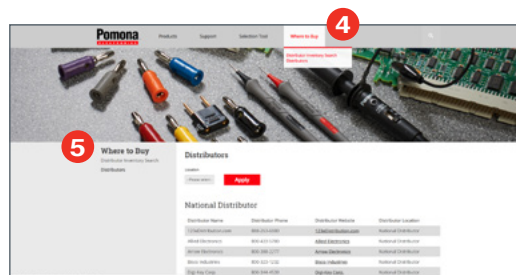
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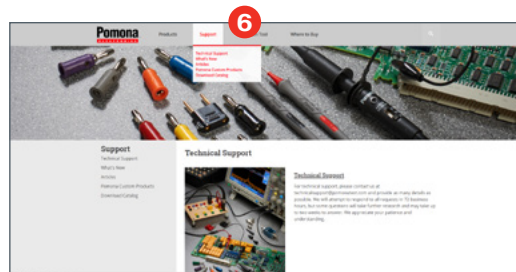
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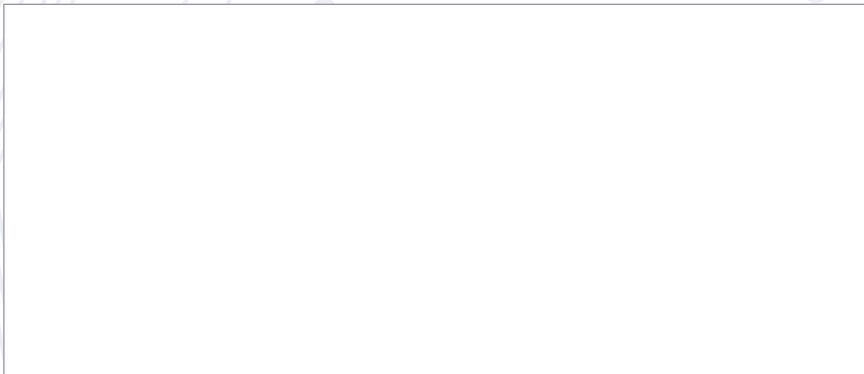
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