

# D-subminiature Metal Shell Crimp and Poke, Right-Angle and Vertical PCB D\*U Series



## FEATURES

- Offered in 9, 15, 25, 37, and 50 position plugs and sockets (except right-angle PCB connectors- 9, 15, and 25 positions).
- Available with gold flash or 30µin. gold plating.
- Offered with .120 mounting holes, optional 4-40 clinch nuts, or dual float bushings (except right-angle PCB connectors-mounting holes only).
- Approvals:
  - UL Recognized - Files E170218 (UL1977) and E130965 (UL1863).
  - CSA Approved - File LR31996.
- See pages 4-5 thru 4-10 for standard dimensions, contact arrangements, and panel mounting specifications.

## MATERIALS

**Insulator Material:** Glass-filled nylon (black), UL 94 V-O rated  
**Connector Shell:** Steel with zinc plating and yellow chromate finish or tin plating (grounding indents on plug)  
**4-40 Clinch Nut:** Steel with cadmium plating and yellow chromate finish  
**Dual Float Bushing:** Stainless steel, passivated

## ENVIRONMENTAL

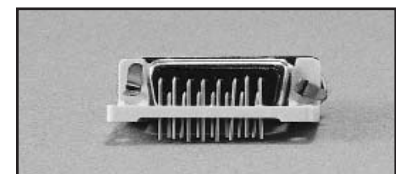
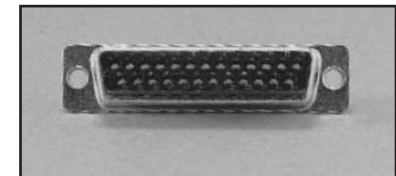
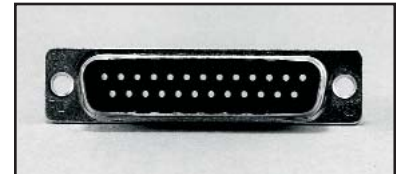
**Operating Temperature:** -65°C to + 125°C  
**Shock:** 50G peak per MIL-STD-202, Method 213, Condition G  
**Vibration:** 12 cycles in three perpendicular directions @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D  
**Moisture Resistance:** 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103

## ELECTRICAL

**Withstanding Voltage:** Minimum 1000V RMS @ sea level  
**Current Rating:** 5 Amps  
**Contact Resistance:** 2.7 milliohms maximum  
**Insulation Resistance:** 5000 megohms maximum (initial); 1000 megohms (minimum) after environmental testing

## MECHANICAL

**Individual Contact Insertion and Separation Force (minimum/maximum):** 0.7 oz./12 oz.  
**Durability:** 500 mating cycles



# D-subminiature Metal Shell Crimp and Poke D\*U Series



- Machined contacts supplied loose with connector or can be ordered separately. Use with 20-24 AWG wire.
- Stamped Contacts (order separately) for use when ordering connector with contacts not included (-FO option). Use with 20-28 AWG wire.
  - Available in 10K reel.
  - Order reels of stamped contacts separately.

## Materials

- Contact Material: Plug - Brass (stamped) or copper alloy (machined). Socket - Phosphor bronze (stamped) or copper alloy (machined).
- Contact Plating:
  - Stamped Plugs and Sockets: Gold flash or 30µin. gold and gold flash on the remainder. All over nickel.
  - Machined Plugs and Sockets: Gold flash or 30µin. gold. All over nickel.

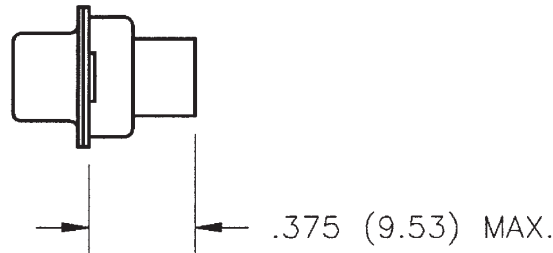
## Termination Tooling

- Semi-Automatic Stripper Crimper for Stamped Contacts on 10K PC reels: #ESC-20-3. See page 4-102.
- Contact Insertion/Extraction: #CIET-20-HDB. See page 4-101.
- Loose Contact Crimp Tool:

Machined Contact - #M22520/2-01. See page 4-103.  
For Positioner as required see page 4-103.

Stamped Contacts #BT-20-HC see page 4-101.  
No positioner required.

**D-subminiature Metal Shell  
Crimp and Poke  
D\*U Series**



**Ordering Information**

**D\*U Crimp and Poke Plugs**

**Zinc-Plated Shell with Yellow Chromate Finish**

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9P	DEU-9P-FO	DEUE-9-P	DEUE-9P-FO	DEUY-9P	DEUY-9P-FO
15	DAU-15P	DAU-15P-FO	DAUE-15-P	DAUE-15-P-FO	DAUY-15P	DAUY-15P-FO
25	DBU-25P	DBU-25P-FO	DBUE-25-P	DBUE-25P-FO	DBUY-25P	DBUY-25P-FO
37	DCU-37P	DCU-37P-FO	DCUE-37-P	DCUE-37P-FO	DCUY-37P	DCUY-37P-FO
50	DDU-50P	DDU-50P-FO	DDUE-50-P	DDUE-50P-FO	DDUY-50P	DDUY-50P-FO

**Tin-Plated Shell with Grounding Indents**

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9PTI	DEU-9PTI-FO	DEUE-9PTI	DEUE-9PTI-FO	DEUY-9PTI	DEUY-9PTI-FO
15	DAU-15PTI	DAU-15PTI-FO	DAUE-15PTI	DAUE-15PTI-FO	DAUY-15PTI	DAUY-15PTI-FO
25	DBU-25PTI	DBU-25PTI-FO	DBUE-25PTI	DBUE-25PTI-FO	DBUY-25PTI	DBUY-25PTI-FO
37	DCU-37PTI	DCU-37PTI-FO	DCUE-37PTI	DCUE-37PTI-FO	DCUY-37PTI	DCUY-37PTI-FO
50	DDU-50PTI	DDU-50PTI-FO	DDUE-50PTI	DDUE-50PTI-FO	DDUY-50PTI	DDUY-50PTI-FO

**D\*U Crimp and Poke Sockets**

**Zinc-Plated Shell with Yellow Chromate Finish**

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9S	DEU-9S-FO	DEUE-9S	DEUE-9S-FO	DEUY-9S	DEUY-9S-FO
15	DAU-15S	DAU-15S-FO	DAUE-15S	DAUE-15S-FO	DAUY-15S	DAUY-15S-FO
25	DBU-25S	DBU-25S-FO	DBUE-25S	DBUE-25S-FO	DBUY-25S	DBUY-25S-FO
37	DCU-37S	DCU-37S-FO	DCUE-37S	DCUE-37S-FO	DCUY-37S	DCUY-37S-FO
50	DDU-50S	DDU-50S-FO	DDUE-50S	DDUE-50S-FO	DDUY-50S	DDUY-50S-FO

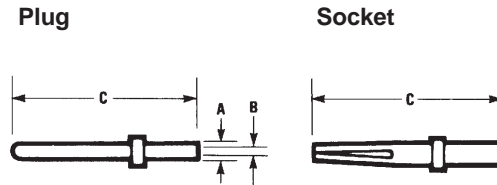
**Tin-Plated Shell**

Position	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Contacts Included	Without Contacts	Contacts Included	Without Contacts	Contacts Included	Without Contacts
9	DEU-9ST	DEU-9ST-FO	DEUE-9ST	DEUE-9ST-FO	DEUY-9ST	DEUY-9ST-FO
15	DAU-15ST	DAU-15ST-FO	DAUE-15ST	DAUE-15ST-FO	DAUY-15ST	DAUY-15ST-FO
25	DBU-25ST	DBU-25ST-FO	DBUE-25ST	DBUE-25ST-FO	DBUY-25ST	DBUY-25ST-FO
37	DCU-37ST	DCU-37ST-FO	DCUE-37ST	DCUE-37ST-FO	DCUY-37ST	DCUY-37ST-FO
50	DDU-50ST	DDU-50ST-FO	DDUE-50ST	DDUE-50ST-FO	DDUY-50ST	DDUY-50ST-FO

# D-subminiature Metal Shell Crimp and Poke Contacts D\*U Series



## Machined Contacts • 20-24 AWG Wire



### Dimensions

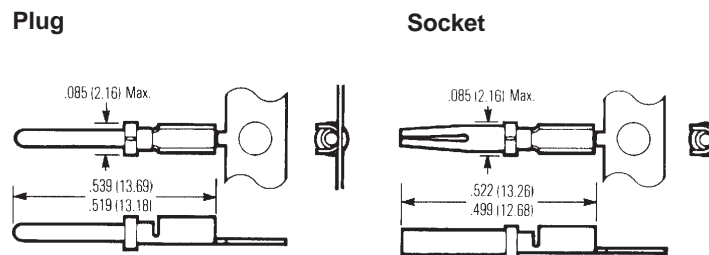
Description	Wire AWG	A		B		C Max.	
		in	mm	in	mm	in	mm
Pin	#20, 22, 24	.066	1.67	.045	1.14	.537	13.64
Socket	#20, 22, 24	.066	1.67	.045	1.14	.523	13.28

### Ordering Information

#### D\*U Series Loose-Piece Machined Contacts

	Gold Flash	30µin. Gold
Pin	030-1952-000	030-1952-030
Socket	030-1953-000	030-1953-030

## Stamped Contacts • 20-28 AWG Wire



### Ordering Information

#### D\*U Series Stamped Contacts on 10K Reels

	Gold Flash	30µin. Gold
Pin	BCL-1964-20P	D110238-034
Socket	BCL-1963-20S	D110238-035



# D-subminiature Metal Shell Solder Cup, Vertical PCB Mount, and Wire Wrap Basic D Series



## FEATURES

- Offered in Wire Wrap and Solder Cup styles for wire termination and vertical style for PCB mount.
- Offered with .120 mounting holes, 4-40 clinch nuts, and dual float bushings.
- Offered in 9, 15, 25, 37, and 50 position plugs and sockets.
- Available with gold flash or 30µin. gold plating.
- Approvals:
  - UL Recognized - Files E170218 (UL1977) and E130965 (UL1863).
  - CSA Approved - File LR31996.
- See pages 4-5 thru 4-10 for standard dimensions, contact arrangements, and panel mounting specifications.

## MATERIALS

**Insulator Material:** Glass-filled polyester (white), UL 94V-O rated  
**Connector Shell:** Steel with zinc plating and yellow chromate finish or tin plating (grounding indents on plug)  
**4-40 Clinch Nut:** Steel with cadmium plating and yellow chromate finish  
**Dual Float Bushing:** Stainless steel, passivated

## ENVIRONMENTAL

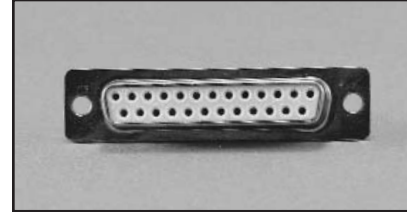
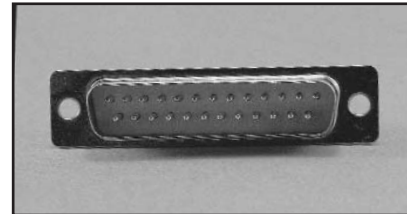
**Operating Temperature:** -65°C to + 125°C  
**Shock:** 50G peak per MIL-STD-202, Method 213, Condition G  
**Vibration:** 12 cycles in three perpendicular directions @ 10-2000Hz, per MIL-STD-202, Method 204, Condition D  
**Moisture Resistance:** 90-95% relative humidity @ 40°C for 96 hours per MIL-STD-202, Method 103

## ELECTRICAL

**Withstanding Voltage:** Minimum 1250V RMS @ sea level  
**Current Rating:** 5 Amps  
**Contact Resistance:** 2.7 milliohms maximum  
**Insulation Resistance:** 5000 megohms maximum (initial); 1000 megohms (minimum) after environmental testing

## MECHANICAL

**Individual Contact Insertion and Separation Force (minimum/maximum):** 0.7 oz./12 oz.  
**Durability:** 500 mating cycles



# D-subminiature Metal Shell

## Solder Cup

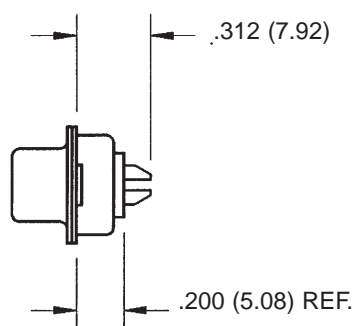
### Basic D Series



- Available with stamped or machined contacts.
- Will accommodate up to 20 AWG wire.

#### Materials

- Contact Material: Copper Alloy
- Contact Plating:
  - Stamped contacts with gold flash or 30µin. gold in mating area, gold flash or tin/lead on remainder. All over nickel.
  - Screw machine contacts with gold flash or 30µin. gold. All over nickel.



#### Ordering Information

#### Solder Cup Plugs

#### Zinc-Plated Shell with Yellow Chromate Finish

#### Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P	DE-9P-30	DEE-9P	DEE-9P-30	DEY-9P	DEY-9P-30
15	DA-15P	DA-15P-30	DAE-15P	DAE-15P-30	DAY-15P	DAY-15P-30
25	DB-25P	DB-25P-30	DBE-25P	DBE-25P-30	DBY-25P	DBY-25P-30
37	DC-37P	DC-37P-30	DCE-37P	DCE-37P-30	DCY-37P	DCY-37P-30
50	DD-50P	DD-50P-30	DDE-50P	DDE-50P-30	DDY-50P	DDY-50P-30

#### Stamped Contact with Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-II	DE-9P-II-30	DEE-9P-II	DEE-9P-II-30	DEY-9P-II	DEY-9P-II-30
15	DA-15P-II	DA-15P-II-30	DAE-15P-II	DAE-15P-II-30	DAY-15P-II	DAY-15P-II-30
25	DB-25P-II	DB-25P-II-30	DBE-25P-II	DBE-25P-II-30	DBY-25P-II	DBY-25P-II-30
37	DC-37P-II	DC-37P-II-30	DCE-37P-II	DCE-37P-II-30	DCY-37P-II	DCY-37P-II-30
50	DD-50P-II	DD-50P-II-30	DDE-50P-II	DDE-50P-II-30	DDY-50P-II	DDY-50P-II-30

#### Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-SM	DE-9P-SM-30	DEE-9P-SM	DEE-9P-SM-30	DEY-9P-SM	DEY-9P-SM-30
15	DA-15P-SM	DA-15P-SM-30	DAE-15P-SM	DAE-15P-SM-30	DAY-15P-SM	DAY-15P-SM-30
25	DB-25P-SM	DB-25P-SM-30	DBE-25P-SM	DBE-25P-SM-30	DBY-25P-SM	DBY-25P-SM-30
37	DC-37P-SM	DC-37P-SM-30	DCE-37P-SM	DCE-37P-SM-30	DCY-37P-SM	DCY-37P-SM-30
50	DD-50P-SM	DD-50P-SM-30	DDE-50P-SM	DDE-50P-SM-30	DDY-50P-SM	DDY-50P-SM-30



# D-subminiature Metal Shell Solder Cup Basic D Series



## Ordering Information

### Solder Cup Plugs (Cont'd)

#### Tin-Plated Shell with Grounding Indents

##### Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI	DE-9PTI-30	DEE-9PTI	DEE-9PTI-30	DEY-9PTI	DEY-9PTI-30
15	DA-15PTI	DA-15PTI-30	DAE-15PTI	DAE-15PTI-30	DAY-15PTI	DAY-15PTI-30
25	DB-25PTI	DB-25PTI-30	DBE-25PTI	DBE-25PTI-30	DBY-25PTI	DBY-25PTI-30
37	DC-37PTI	DC-37PTI-30	DCE-37PTI	DCE-37PTI-30	DCY-37PTI	DCY-37PTI-30
50	DD-50PTI	DD-50PTI-30	DDE-50PTI	DDE-50PTI-30	DDY-50PTI	DDY-50PTI-30

##### Stamped Contact with Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-II	DE-9PTI-II-30	DEE-9PTI-II	DEE-9PTI-II-30	DEY-9PTI-II	DEY-9PTI-II-30
15	DA-15PTI-II	DA-15PTI-II-30	DAE-15PTI-II	DAE-15PTI-II-30	DAY-15PTI-II	DAY-15PTI-II-30
25	DB-25PTI-II	DB-25PTI-II-30	DBE-25PTI-II	DBE-25PTI-II-30	DBY-25PTI-II	DBY-25PTI-II-30
37	DC-37PTI-II	DC-37PTI-II-30	DCE-37PTI-II	DCE-37PTI-II-30	DCY-37PTI-II	DCY-37PTI-II-30
50	DD-50PTI-II	DD-50PTI-II-30	DDE-50PTI-II	DDE-50PTI-II-30	DDY-50PTI-II	DDY-50PTI-II-30

##### Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-SM	DE-9PTI-SM-30	DEE-9PTI-SM	DEE-9PTI-SM-30	DEY-9PTI-SM	DEY-9PTI-SM-30
15	DA-15PTI-SM	DA-15PTI-SM-30	DAE-15PTI-SM	DAE-15PTI-SM-30	DAY-15PTI-SM	DAY-15PTI-SM-30
25	DB-25PTI-SM	DB-25PTI-SM-30	DBE-25PTI-SM	DBE-25PTI-SM-30	DBY-25PTI-SM	DBY-25PTI-SM-30
37	DC-37PTI-SM	DC-37PTI-SM-30	DCE-37PTI-SM	DCE-37PTI-SM-30	DCY-37PTI-SM	DCY-37PTI-SM-30
50	DD-50PTI-SM	DD-50PTI-SM-30	DDE-50PTI-SM	DDE-50PTI-SM-30	DDY-50PTI-SM	DDY-50PTI-SM-30

# D-subminiature Metal Shell Solder Cup Basic D Series



## Ordering Information

### Solder Cup Sockets

#### Zinc-Plated Shell with Yellow Chromate Finish

##### Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S	DE-9S-30	DEE-9S	DEE-9S-30	DEY-9S	DEY-9S-30
15	DA-15S	DA-15S-30	DAE-15S	DAE-15S-30	DAY-15S	DAY-15S-30
25	DB-25S	DB-25S-30	DBE-25S	DBE-25S-30	DBY-25S	DBY-25S-30
37	DC-37S	DC-37S-30	DCE-37S	DCE-37S-30	DCY-37S	DCY-37S-30
50	DD-50S	DD-50S-30	DDE-50S	DDE-50S-30	DDY-50S	DDY-50S-30

##### Stamped Contact Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-II	DE-9S-II-30	DEE-9S-II	DEE-9S-II-30	DEY-9S-II	DEY-9S-II-30
15	DA-15S-II	DA-15S-II-30	DAE-15S-II	DAE-15S-II-30	DAY-15S-II	DAY-15S-II-30
25	DB-25S-II	DB-25S-II-30	DBE-25S-II	DBE-25S-II-30	DBY-25S-II	DBY-25S-II-30
37	DC-37S-II	DC-37S-II-30	DCE-37S-II	DCE-37S-II-30	DCY-37S-II	DCY-37S-II-30
50	DD-50S-II	DD-50S-II-30	DDE-50S-II	DDE-50S-II-30	DDY-50S-II	DDY-50S-II-30

##### Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-SM	DE-9S-SM-30	DEE-9S-SM	DEE-9S-SM-30	DEY-9S-SM	DEY-9S-SM-30
15	DA-15S-SM	DA-15S-SM-30	DAE-15S-SM	DAE-15S-SM-30	DAY-15S-SM	DAY-15S-SM-30
25	DB-25S-SM	DB-25S-SM-30	DBE-25S-SM	DBE-25S-SM-30	DBY-25S-SM	DBY-25S-SM-30
37	DC-37S-SM	DC-37S-SM-30	DCE-37S-SM	DCE-37S-SM-30	DCY-37S-SM	DCY-37S-SM-30
50	DD-50S-SM	DD-50S-SM-30	DDE-50S-SM	DDE-50S-SM-30	DDY-50S-SM	DDY-50S-SM-30

### Tin-Plated Shell

##### Stamped Contact with Gold Flash in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST	DE-9ST-30	DEE-9ST	DEE-9ST-30	DEY-9ST	DEY-9ST-30
15	DA-15ST	DA-15ST-30	DAE-15ST	DAE-15ST-30	DAY-15ST	DAY-15ST-30
25	DB-25ST	DB-25ST-30	DBE-25ST	DBE-25ST-30	DBY-25ST	DBY-25ST-30
37	DC-37ST	DC-37ST-30	DCE-37ST	DCE-37ST-30	DCY-37ST	DCY-37ST-30
50	DD-50ST	DD-50ST-30	DDE-50ST	DDE-50ST-30	DDY-50ST	DDY-50ST-30

##### Stamped Contact with Tin/Lead in Solder Cup

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-II	DE-9ST-II-30	DEE-9ST-II	DEE-9ST-II-30	DEY-9ST-II	DEY-9ST-II-30
15	DA-15ST-II	DA-15ST-II-30	DAE-15ST-II	DAE-15ST-II-30	DAY-15ST-II	DAY-15ST-II-30
25	DB-25ST-II	DB-25ST-II-30	DBE-25ST-II	DBE-25ST-II-30	DBY-25ST-II	DBY-25ST-II-30
37	DC-37ST-II	DC-37ST-II-30	DCE-37ST-II	DCE-37ST-II-30	DCY-37ST-II	DCY-37ST-II-30
50	DD-50ST-II	DD-50ST-II-30	DDE-50ST-II	DDE-50ST-II-30	DDY-50ST-II	DDY-50ST-II-30

##### Screw Machine Contact

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-SM	DE-9ST-SM-30	DEE-9ST-SM	DEE-9ST-SM-30	DEY-9ST-SM	DEY-9ST-SM-30
15	DA-15ST-SM	DA-15ST-SM-30	DAE-15ST-SM	DAE-15ST-SM-30	DAY-15ST-SM	DAY-15ST-SM-30
25	DB-25ST-SM	DB-25ST-SM-30	DBE-25ST-SM	DBE-25ST-SM-30	DBY-25ST-SM	DBY-25ST-SM-30
37	DC-37ST-SM	DC-37ST-SM-30	DCE-37ST-SM	DCE-37ST-SM-30	DCY-37ST-SM	DCY-37ST-SM-30
50	DD-50ST-SM	DD-50ST-SM-30	DDE-50ST-SM	DDE-50ST-SM-30	DDY-50ST-SM	DDY-50ST-SM-30





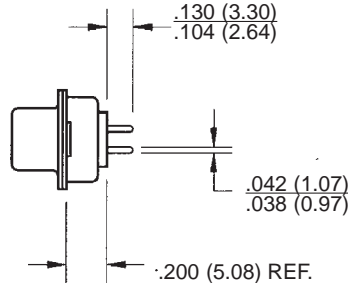
# D-subminiature Metal Shell Vertical Dip Solder PCB Basic D Series



- .040" contact diameter.
- Short rear insulator provides low profile on PCB.
- Offered with .120 mounting holes, dual float bushings, or optional 4-40 clinch nuts.

## Materials

- Contact Material: Socket - Phosphor bronze (machined), Plug - Brass (machined).
- Contact Plating: Gold flash or 30µin. gold over nickel.



## Ordering Information

### Vertical PCB Plugs

#### Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PV	DE-9PV-30	DEE-9PV	DEE-9PV-30	DEY-9PV	DEY-9PV-30
15	DA-15PV	DA-15PV-30	DAE-15PV	DAE-15PV-30	DAY-15PV	DAY-15PV-30
25	DB-25PV	DB-25PV-30	DBE-25PV	DBE-25PV-30	DBY-25PV	DBY-25PV-30
37	DC-37PV	DC-37PV-30	DCE-37PV	DCE-37PV-30	DCY-37PV	DCY-37PV-30
50	DD-50PV	DD-50PV-30	DDE-50PV	DDE-50PV-30	DCY-50PV	DDY-50PV-30

#### Tin-Plated Shell with Grounding Indents

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PVTI	DE-9PVTI-30	DEE-9PVTI	DEE-9PVTI-30	DEY-9PVTI	DEY-9PVTI-30
15	DA-15PVTI	DA-15PVTI-30	DAE-15PVTI	DAE-15PVTI-30	DAY-15PVTI	DAY-15PVTI-30
25	DB-25PVTI	DB-25PVTI-30	DBE-25PVTI	DBE-25PVTI-30	DBY-25PVTI	DBY-25PVTI-30
37	DC-37PVTI	DC-37PVTI-30	DCE-37PVTI	DCE-37PVTI-30	DCY-37PVTI	DCY-37PVTI-30
50	DD-50PVTI	DD-50PVTI-30	DDE-50PVTI	DDE-50PVTI-30	DCY-50PVTI	DDY-50PVTI-30

### Vertical PCB Sockets

#### Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9SV	DE-9SV-30	DEE-9SV	DEE-9SV-30	DEY-9SV	DEY-9SV-30
15	DA-15SV	DA-15SV-30	DAE-15SV	DAE-15SV-30	DAY-15SV	DAY-15SV-30
25	DB-25SV	DB-25SV-30	DBE-25SV	DBE-25SV-30	DBY-25SV	DBY-25SV-30
37	DC-37SV	DC-37SV-30	DCE-37SV	DCE-37SV-30	DCY-37SV	DCY-37SV-30
50	DD-50SV	DD-50SV-30	DDE-50SV	DDE-50SV-30	DCY-50SV	DDY-50SV-30

#### Tin-Plated Shell

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9SVT	DE-9SVT-30	DEE-9SVT	DEE-9SVT-30	DEY-9SVT	DEY-9SVT-30
15	DA-15SVT	DA-15SVT-30	DAE-15SVT	DAE-15SVT-30	DAY-15SVT	DAY-15SVT-30
25	DB-25SVT	DB-25SVT-30	DBE-25SVT	DBE-25SVT-30	DBY-25SVT	DBY-25SVT-30
37	DC-37SVT	DC-37SVT-30	DCE-37SVT	DCE-37SVT-30	DCY-37SVT	DCY-37SVT-30
50	DD-50SVT	DD-50SVT-30	DDE-50SVT	DDE-50SVT-30	DDY-50SVT	DDY-50SVT-30

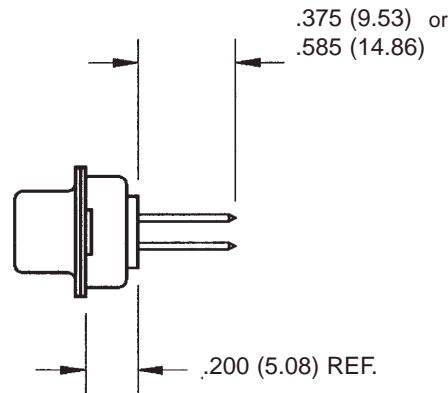
# D-subminiature Metal Shell Wire Wrap Basic D Series



- Reliable wire wrap termination.
- Two contact lengths: .375" or .585".
- .025" square contact tails.

## Materials

- Contact Material: Copper alloy (machined).
- Contact Plating: Gold flash or 30µin. gold. All over nickel.



## Ordering Information

### Wire Wrap Plugs

#### .375" Tail Length

#### Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-F179	DE-9P-F179-30	DEE-9P-F179	DEE-9P-F179-30	DEY-9P-F179	DEY-9P-F179-30
15	DA-15P-F179	DA-15P-F179-30	DAE-15P-F179	DAE-15P-F179-30	DAY-15P-F179	DAY-15P-F179-30
25	DB-25P-F179	DB-25P-F179-30	DBE-25P-F179	DBE-25P-F179-30	DBY-25P-F179	DBY-25P-F179-30
37	DC-37P-F179	DC-37P-F179-30	DCE-37P-F179	DCE-37P-F179-30	DCY-37P-F179	DCY-37P-F179-30
50	DD-50P-F179	DD-50P-F179-30	DDE-50P-F179	DDE-50P-F179-30	DDY-50P-F179	DDY-50P-F179-30

#### Tin-Plated Shell with Grounding Indents

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-F179	DE-9PTI-F179-30	DEE-9PTI-F179	DEE-9PTI-F179-30	DEY-9PTI-F179	DEY-9PTI-F179-30
15	DA-15PTI-F179	DA-15PTI-F179-30	DAE-15PTI-F179	DAE-15PTI-F179-30	DAY-15PTI-F179	DAY-15PTI-F179-30
25	DB-25PTI-F179	DB-25PTI-F179-30	DBE-25PTI-F179	DBE-25PTI-F179-30	DBY-25PTI-F179	DBY-25PTI-F179-30
37	DC-37PTI-F179	DC-37PTI-F179-30	DCE-37PTI-F179	DCE-37PTI-F179-30	DCY-37PTI-F179	DCY-37PTI-F179-30
50	DD-50PTI-F179	DD-50PTI-F179-30	DDE-50PTI-F179	DDE-50PTI-F179-30	DDY-50PTI-F179	DDY-50PTI-F179-30



# D-subminiature Metal Shell

## Wire Wrap

### Basic D Series



#### Ordering Information

#### Wire Wrap Plugs (Cont'd)

#### .585" Tail Length

#### Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9P-F179C	DE-9P-F179C-30	DEE-9P-F179C	DEE-9PF-179C-30	DEY-9P-F179C	DEY-9P-F179C-30
15	DA-15P-F179C	DA-15P-F179C-30	DAE-15P-F179C	DAE-15PF-179C-30	DAY-15P-F179C	DAY-15P-F179C-30
25	DB-25P-F179C	DB-25P-F179C-30	DBE-25P-F179C	DBE-25PF-179C-30	DBY-25P-F179C	DBY-25P-F179C-30
37	DC-37P-F179C	DC-37P-F179C-30	DCE-37P-F179C	DCE-37PF-179C-30	DCY-37P-F179C	DCY-37P-F179C-30
50	DD-50P-F179C	DD-50P-F179C-30	DDE-50P-F179C	DDE-50PF-179C-30	DDY-50P-F179C	DDY-50P-F179C-30

#### Tin-Plated Shell with Grounding Indents

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9PTI-F179C	DE-9PTI-F179C-30	DEE-9PTI-F179C	DEE-9PTI-F179C-30	DEY-9PTI-F179C	DEY-9PTI-F179C-30
15	DA-15PTI-F179C	DA-15PTI-F179C-30	DAE-15PTI-F179C	DAE-15PTI-F179C-30	DAY-15PTI-F179C	DAY-15PTI-F179C-30
25	DB-25PTI-F179C	DB-25PTI-F179C-30	DBE-25PTI-F179C	DBE-25PTI-F179C-30	DBY-25PTI-F179C	DBY-25PTI-F179C-30
37	DC-37PTI-F179C	DC-37PTI-F179C-30	DCE-37PTI-F179C	DCE-37PTI-F179C-30	DCY-37PTI-F179C	DCY-37PTI-F179C-30
50	DD-50PTI-F179C	DD-50PTI-F179C-30	DDE-50PTI-F179C	DDE-50PTI-F179C-30	DDY-50PTI-F179C	DDY-50PTI-F179C-30

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# D-subminiature Metal Shell

## Wire Wrap

### Basic D Series



#### Ordering Information

#### Wire Wrap Sockets

#### .375" Tail Length

#### Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-F179	DE-9S-F179-30	DEE-9S-F179	DEE-9S-F179-30	DEY-9S-F179	DEY-9S-F179-30
15	DA-15S-F179	DA-15S-F179-30	DAE-15S-F179	DAE-15S-F179-30	DAY-15S-F179	DAY-15S-F179-30
25	DB-25S-F179	DB-25S-F179-30	DBE-25S-F179	DBE-25S-F179-30	DBY-25S-F179	DBY-25S-F179-30
37	DC-37S-F179	DC-37S-F179-30	DCE-37S-F179	DCE-37S-F179-30	DCY-37S-F179	DCY-37S-F179-30
50	DD-50S-F179	DD-50S-F179-30	DDE-50S-F179	DDE-50S-F179-30	DDY-50S-F179	DDY-50S-F179-30

#### Tin-Plated Shell

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-F179	DE-9ST-F179-30	DEE-9ST-F179	DEE-9ST-F179-30	DEY-9ST-F179	DEY-9ST-F179-30
15	DA-15ST-F179	DA-15ST-F179-30	DAE-15ST-F179	DAE-15ST-F179-30	DAY-15ST-F179	DAY-15ST-F179-30
25	DB-25ST-F179	DB-25ST-F179-30	DBE-25ST-F179	DBE-25ST-F179-30	DBY-25ST-F179	DBY-25ST-F179-30
37	DC-37ST-F179	DC-37ST-F179-30	DCE-37ST-F179	DCE-37ST-F179-30	DCY-37ST-F179	DCY-37ST-F179-30
50	DD-50ST-F179	DD-50ST-F179-30	DDE-50ST-F179	DDE-50ST-F179-30	DDY-50ST-F179	DDY-50ST-F179-30

#### .585" Tail Length

#### Zinc-Plated Shell with Yellow Chromate Finish

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9S-F179C	DE-9S-F179C-30	DEE-9S-F179C	DEE-9S-F179C-30	DEY-9S-F179C	DEY-9S-F179C-30
15	DA-15S-F179C	DA-15S-F179C-30	DAE-15S-F179C	DAE-15S-F179C-30	DAY-15S-F179C	DAY-15S-F179C-30
25	DB-25S-F179C	DB-25S-F179C-30	DBE-25S-F179C	DBE-25S-F179C-30	DBY-25S-F179C	DBY-25S-F179C-30
37	DC-37S-F179C	DC-37S-F179C-30	DCE-37S-F179C	DCE-37S-F179C-30	DCY-37S-F179C	DCY-37S-F179C-30
50	DD-50S-F179C	DD-50S-F179C-30	DDE-50S-F179C	DDE-50S-F179C-30	DDY-50S-F179C	DDY-50S-F179C-30

#### Tin-Plated Shell

Positions	Mounting Holes		4-40 Clinch Nuts		Dual Float Bushings	
	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold	Gold Flash	30µin. Gold
9	DE-9ST-F179C	DE-9ST-F179C-30	DEE-9ST-F179C	DEE-9ST-F179C-30	DEY-9ST-F179C	DEY-9ST-F179C-30
15	DA-15ST-F179C	DA-15ST-F179C-30	DAE-15ST-F179C	DAE-15ST-F179C-30	DAY-15ST-F179C	DAY-15ST-F179C-30
25	DB-25ST-F179C	DB-25ST-F179C-30	DBE-25ST-F179C	DBE-25ST-F179C-30	DBY-25ST-F179C	DBY-25ST-F179C-30
37	DC-37ST-F179C	DC-37ST-F179C-30	DCE-37ST-F179C	DCE-37ST-F179C-30	DCY-37ST-F179C	DCY-37ST-F179C-30
50	DD-50ST-F179C	DD-50ST-F179C-30	DDE-50ST-F179C	DDE-50ST-F179C-30	DDY-50ST-F179C	DDY-50ST-F179C-30



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