



AC SERIES DUAL 1/4" (6.35mm) / XLR

The AC Series C type chassis receptacles feature two connectors in the one space saving housing. A combined XLR female receptacle together with a 6.35mm (1/4") phone jack give the designer more flexibility ensuring premium board space is saved. The new low profile high density C type offers a 15% space saving over the traditional C type. Various configurations are available in either stereo or mono layouts with Vertical, Horizontal Printed Circuit Board or Solder contacts.

Features

- Standard or low profile / high density shell design
- Two connectors in the one housing.
- Industry standard PCB footprint layout on standard C type.
- Vertical or Horizontal PCB mounting.
- Bulk packed.
- Positive latch lock system (XLR).

Options

- Solder contacts
- Vertical PCB contacts
- Horizontal PCB contacts
- Bulk Packaging
- Overmoldable connector housing

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

Amphenol

AC SERIES CHASSIS CONNECTORS

C - TYPE LOW PROFILE DUAL JACK / XLR CONNECTORS



Features:

- Two connectors in the one housing.
- Low profile design offers a 15% space saving over the traditional design.
- Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system (XLR).

Part Number Breakdown: page 56

Specifications: page 58

PCB Footprints: page 57

Recommended Fastener: page 137


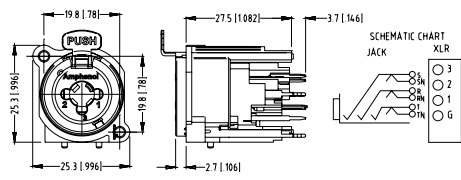

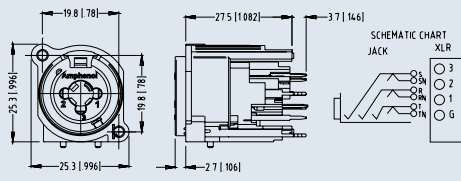

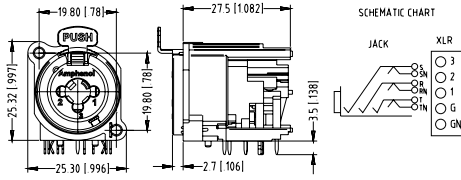

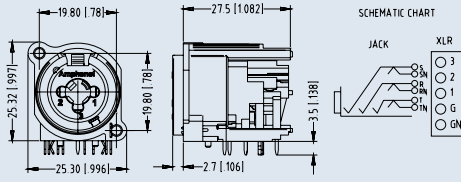

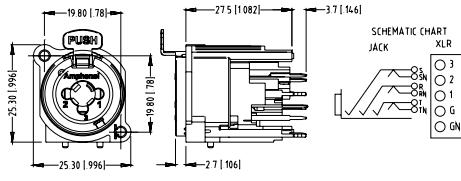

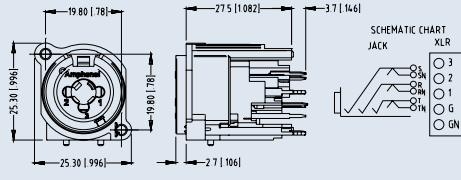
| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|------------------|---------|---|---|--------------------------------|---------------|
| | | 19.80 [781] 27.5 [1082] 25.30 [996] 19.80 [781] 25.30 [996] 2.7 [106] 3.5 [138] | Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack | Latching | ACJC6AH BULK |
| | | 19.80 [781] 27.5 [1082] 25.30 [996] 19.80 [781] 25.30 [996] 2.7 [106] 3.5 [138] | Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC6AHL BULK |
| | | 19.8 [781] 27.5 [1082] 25.3 [996] 19.8 [781] 25.3 [996] 2.7 [106] 3.7 [146] | Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack | Latching | ACJC6AV BULK |
| | | 19.8 [781] 27.5 [1082] 25.3 [996] 19.8 [781] 25.3 [996] 2.7 [106] 3.7 [146] | Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC6AVL BULK |
| | | 19.80 [781] 27.5 [1082] 25.30 [996] 19.80 [781] 25.30 [996] 2.7 [106] 3.50 [138] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack | Latching | ACJC9AH BULK |
| | | 19.80 [781] 27.5 [1082] 25.30 [996] 19.80 [781] 25.30 [996] 2.7 [106] 3.50 [138] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC9AHL BULK |



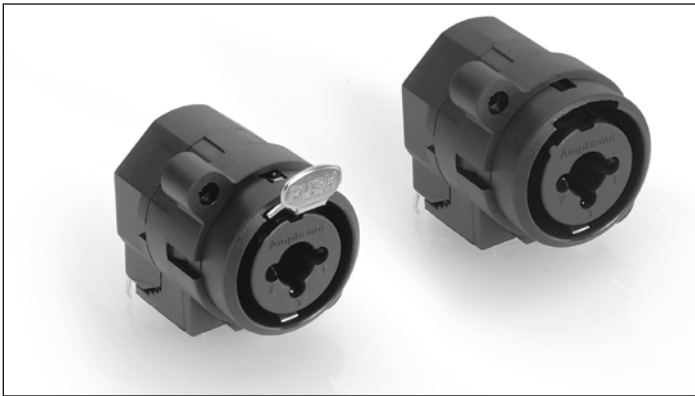
Amphenol

AC SERIES CHASSIS CONNECTORS

THERMOPLASTIC C TYPE SERIES

| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|---|---|--|--|--------------------------------|----------------|
|  |  | 19.8 [78] 25.3 [996] 27.5 [1082] 3.7 [146] 19.8 [78] 2.7 [106] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack | Latching | ACJC9AV BULK |
|  |  | 19.8 [78] 25.3 [996] 27.5 [1082] 3.7 [146] 19.8 [78] 2.7 [106] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC9AVL BULK |
|  |  | 19.80 [78] 25.32 [997] 27.5 [1082] 3.5 [138] 19.80 [78] 2.7 [106] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack | Latching | ACJC10AH BULK |
|  |  | 19.80 [78] 25.32 [997] 27.5 [1082] 3.5 [138] 19.80 [78] 2.7 [106] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC10AHL BULK |
|  |  | 19.80 [78] 25.30 [996] 27.5 [1082] 3.7 [146] 19.80 [78] 2.7 [106] | Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack | Latching | ACJC10AV BULK |
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C - TYPE DUAL JACK / XLR CONNECTORS



Features:

- Two connectors in the one housing.
- Space saving design.
- Industry standard PCB footprint layout.
- Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
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Part Number Breakdown: [page 56](#)


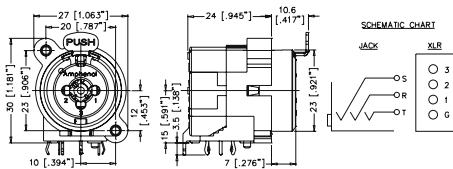

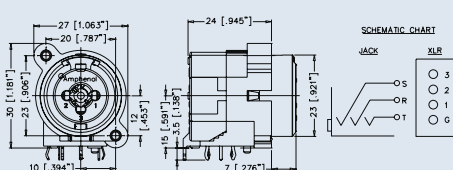

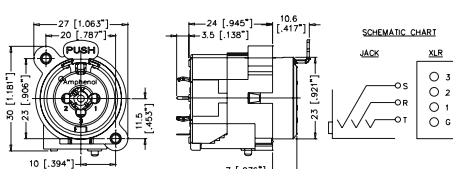

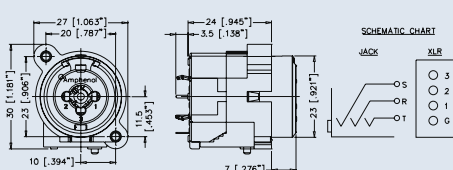

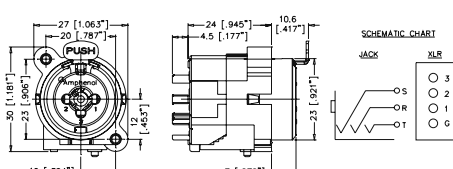

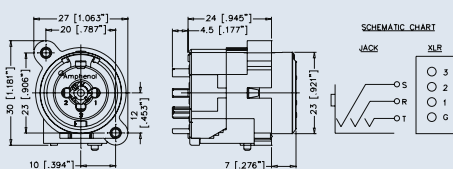

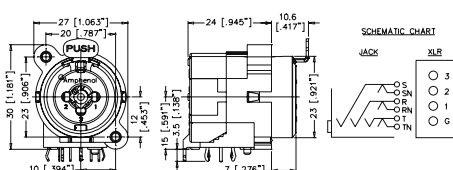

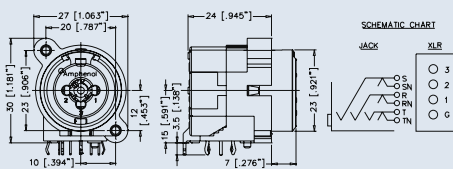
Specifications: [page 58](#)

PCB Footprints: [page 57](#)

Recommended Fastener: [page 137](#)


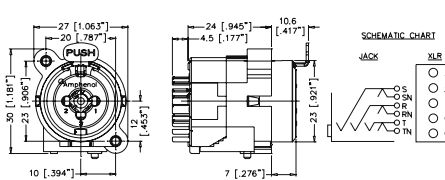

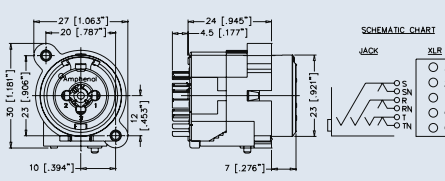

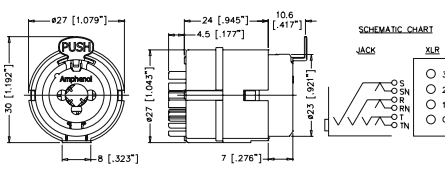
| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|------------------|---------|---|---|--------------------------------|--------------|
| | | 27 [1.063"], 20 [0.787"], 30 [1.181"], 23 [0.906"], 10 [.394"], 24 [.945"], 10.6 [.417"], 15 [.591"], 7 [.276"], 23 [.921"] | XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack | Latching | ACJC5H BULK |
| | | 27 [1.063"], 20 [0.787"], 30 [1.181"], 23 [0.906"], 10 [.394"], 24 [.945"], 10.6 [.417"], 15 [.591"], 7 [.276"], 23 [.921"] | XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC5HL BULK |
| | | 27 [1.063"], 20 [0.787"], 30 [1.181"], 23 [0.906"], 10 [.394"], 24 [.945"], 5.5 [0.217"], 10.6 [.417"], 15 [.591"], 7 [.276"], 23 [.921"] | XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack | Latching | ACJC5V BULK |
| | | 27 [1.063"], 20 [0.787"], 30 [1.181"], 23 [0.906"], 10 [.394"], 24 [.945"], 5.5 [0.217"], 11.5 [.453"], 7 [.276"], 23 [.921"] | XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC5VL BULK |
| | | 27 [1.063"], 20 [0.787"], 30 [1.181"], 23 [0.906"], 10 [.394"], 24 [.945"], 4.5 [0.177"], 10.6 [.417"], 15 [.591"], 7 [.276"], 23 [.921"] | XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack | Latching | ACJC5S BULK |
| | | 27 [1.063"], 20 [0.787"], 30 [1.181"], 23 [0.906"], 10 [.394"], 24 [.945"], 4.5 [0.177"], 15 [.591"], 7 [.276"], 23 [.921"] | XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack | Non-latching, Retention Spring | ACJC5SL BULK |



| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|---|---|---------------------------|---|--------------------------------|--------------|
|  |  | | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack | Latching | ACJC6H BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC6HL BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack | Latching | ACJC6V BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC6VL BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack | Latching | ACJC6S BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack | Non-latching, Retention Spring | ACJC6SL BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack | Latching | ACJC9H BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC9HL BULK |

| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|------------------|---------|--|--|--------------------------------|---------------|
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 24 [.945] 3.5 [.138] 10.6 [.417] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack | Latching | ACJC9V BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 24 [.945] 3.5 [.138] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC9VL BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 24 [.945] 4.5 [.177] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack | Latching | ACJC9S BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 24 [.945] 4.5 [.177] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack | Non-latching, Retention Spring | ACJC9SL BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 15 [.591] 24 [.945] 3.5 [.138] 10.6 [.417] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack | Latching | ACJC10H BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 15 [.591] 24 [.945] 3.5 [.138] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC10HL BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 24 [.945] 3.5 [.138] 10.6 [.417] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack | Latching | ACJC10V BULK |
| | | 27 [1.063] 20 [0.787] 30 [1.181] 23 [0.906] 10 [.394] 12 [.453] 24 [.945] 4.5 [.177] 7 [.276] 23 [.921] | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC10VL BULK |

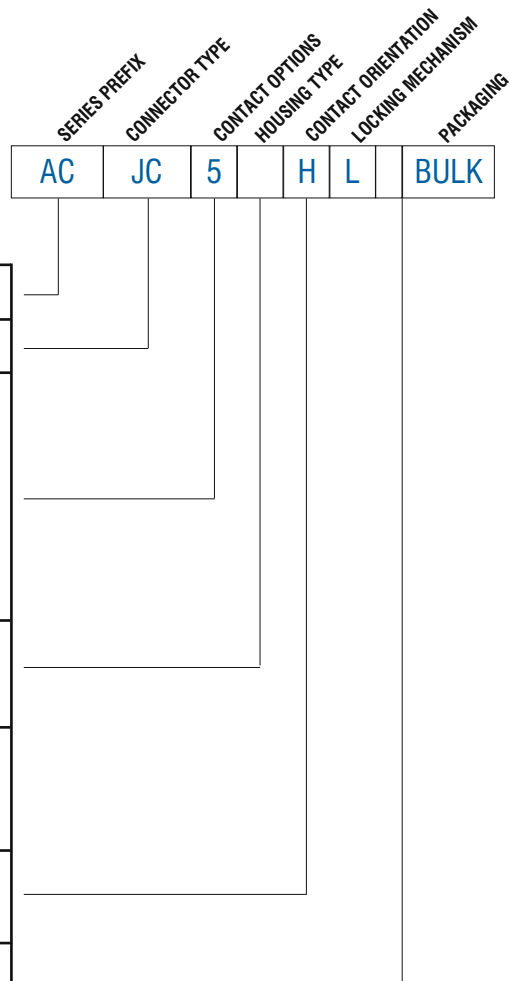


| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|---|---|---------------------------|---|---|---------------|
|  |  | | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack | Latching | ACJC10S BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack | Non-latching, Retention Spring | ACJC10SL BULK |
|  |  | | XLR 3 pole female receptacle with 1/4" jack, Solder Contacts, Overmoldable Connector Housing | Latching and Non-latching options available | ACJC9M BULK |

PART NUMBER BREAKDOWN

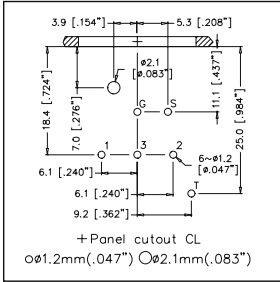
AC SERIES THERMOPLASTIC C TYPE

E. G. **ACJC5HL BULK**
AC (Series Prefix), **JC** Jack/Connector XLR, **5** Mono, **H**orizontal Printed Circuit Board, **L**atchless, **BULK** Packaged.

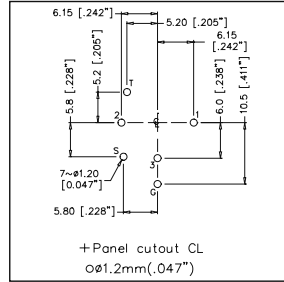


| | | | |
|--------------------------|-------|---|---|
| SERIES PREFIX | AC | = | Series Prefix |
| CONNECTOR TYPE | JC | = | Jack / Connector XLR |
| CONTACT OPTIONS | 5 | = | Mono, Non Switching, XLR Grounded |
| | 6 | = | Stereo, Non Switching, XLR Grounded |
| | 9 | = | Stereo, Switching, XLR Grounded |
| | 10 | = | Stereo, Switching, XLR with Ground Switch |
| HOUSING TYPE | Blank | = | Standard |
| | A | = | Low Profile / High Density |
| | M | = | Overmold Housing |
| CONTACT TYPE | V | = | Vertical Printed Circuit Board |
| | H | = | Horizontal Printed Circuit Board |
| | S | = | Solder Contacts |
| LOCKING MECHANISM | Blank | = | Latching |
| | L | = | Latchless |
| PACKAGING | Blank | = | Individual Bags |
| | BULK | = | Bulk Packed |

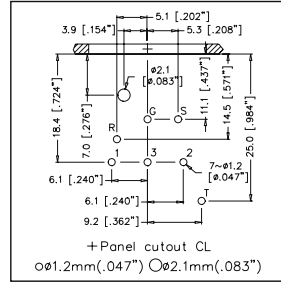
AC SERIES C TYPE SERIES



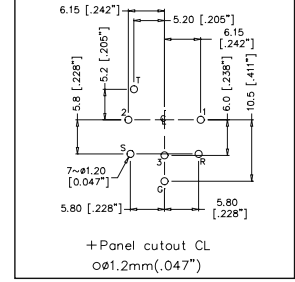
ACJC5H & ACJC5HL



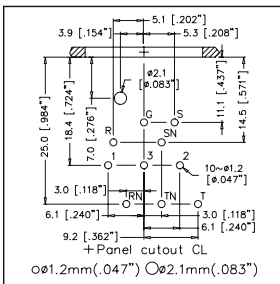
ACJC5V & ACJC5VL



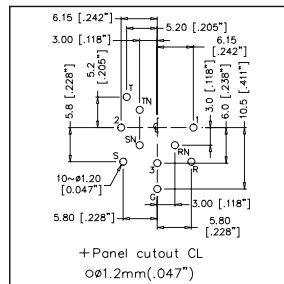
ACJC6H & ACJC6HL



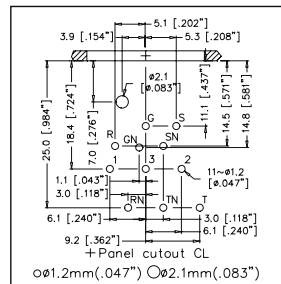
ACJC6V & ACJC6VL



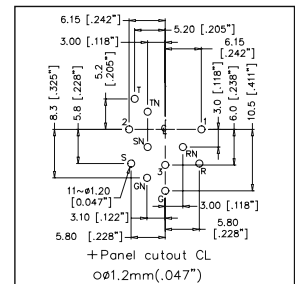
ACJC9H & ACJC9HL



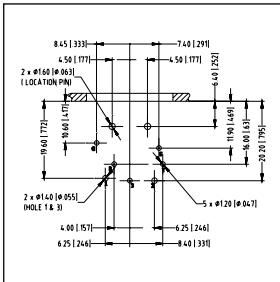
ACJC9V & ACJC9VL



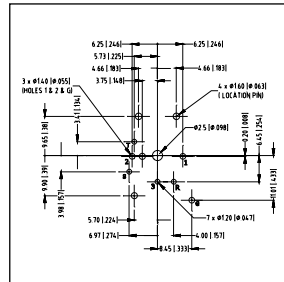
ACJC10H & ACJC10HL



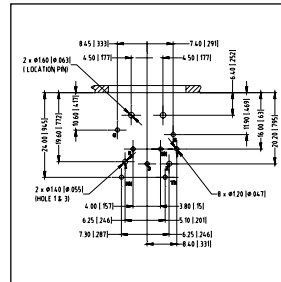
ACJC10V & ACJC10VL



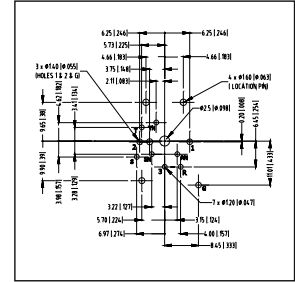
ACJC6AH & ACJC6AHL



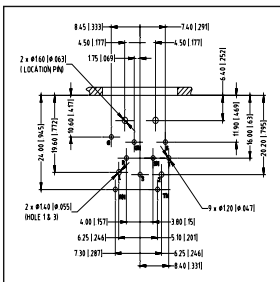
ACJC6AV & ACJC6AVL



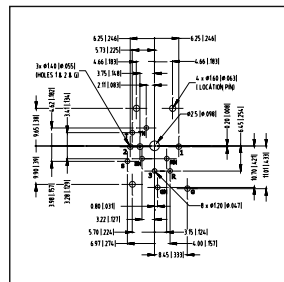
ACJC9AH & ACJC9AHL



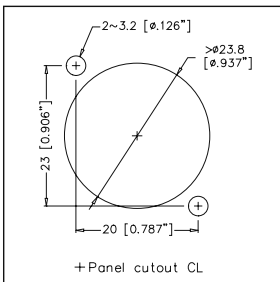
ACJC9AV & ACJC9AVL



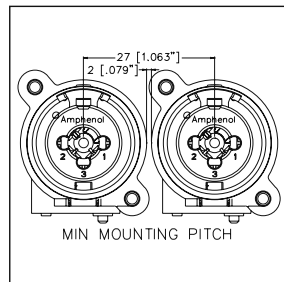
ACJC10AH & ACJC10AHL



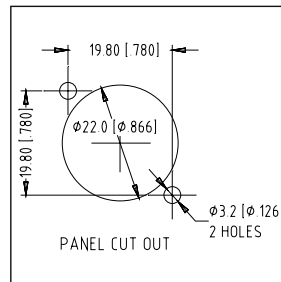
ACJC10AV & ACJC10AVL



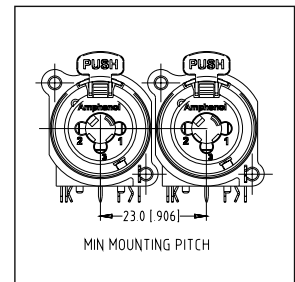
C TYPE PANEL CUTOUT



C TYPE MOUNTING PITCH



C TYPE LOW PROFILE PANEL CUTOUT



C TYPE LOW PROFILE MOUNTING PITCH



STANDARD DATA C TYPE CHASSIS RECEPTACLES

| | | VALUE | |
|-----------------------------------|--|--|--|
| | | LOW PROFILE TYPE | STANDARD C TYPE |
| GENERAL CHARACTERISTICS | Number of contacts | 5, 6, 9 or 10 | |
| | Termination | Printed Circuit Board (PCB) | Printed Circuit Board (PCB) or Solder Bucket |
| | Flammability | UL 94HB | |
| | Environmental | Complies with EU RoHS 2 Directive 2011/65/EU | |
| ELECTRICAL CHARACTERISTICS | Service Voltage RMS | 50V | |
| | Test Voltage AC RMS | 1500V | |
| | Current carrying capacity | 7.5A | |
| | Typical Contact Resistance | ≤50mΩ | |
| | Insulation Resistance (initial) | > 0.5GΩ | |
| | Insulation Resistance (after damp heat test) | > 0.2GΩ | |
| CLIMATIC CHARACTERISTICS | Protection Class | IP40 | |
| | Operating Temperature | -25°C to +70°C | |
| MECHANICAL CHARACTERISTICS | Weight** | 9.2g (0.02lb) | 14g (0.030lb) |
| | Retention Spring separating force | ≥20N | |
| | Mounting Screw torque max. | 1.5Nm | |
| | Mechanical Operations | 1500 mating cycles | |
| | Fastening*** | Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration | |
| MATERIALS | Connector Shell | PA6.6 + 30% glass fibre reinforced, UL94HB | PA6.6 + 20% glass fibre reinforced, UL94HB |
| | Shell Finish | | Black |
| | Insulators | PA6.6 glass fibre reinforced, UL94HB | PA6.6 + 20% glass fibre reinforced, UL94HB |
| | XLR Contact | | |
| | Material | Bronze | |
| | Plating | Gold over Nickel plated | |
| | Jack Contact | | |
| | Material | Bronze | Brass |
| Plating | Gold over Nickel plated | Silver over Copper plated | |
| Latch lock and Spring | Nickel Plated | | |
| Ground element | Nickel Plated | Silver over Copper plated | |

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

***Refer to page 137

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