



## AC SERIES-C TYPE DUAL CONNECTORS JACK/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. Various configurations are available in either stereo or mono layouts with Vertical, Horizontal Printed Circuit Board or Solder contacts.

### Features

- Two connectors in the one housing.
- Space saving design.
- Industry standard PCB footprint layout.
- Vertical or Horizontal PCB mounting.
- Bulk packed.
- Positive latch lock system (XLR).

### Options

- Solder contacts
- Vertical PCB contacts
- Horizontal PCB contacts
- Bulk Packaging

### 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.


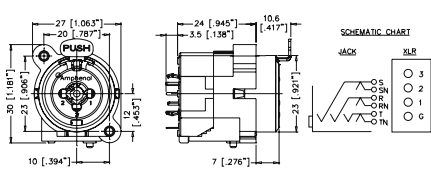

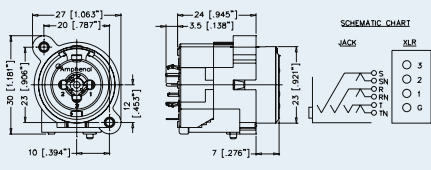

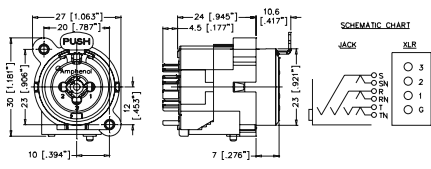

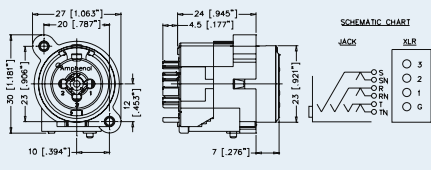

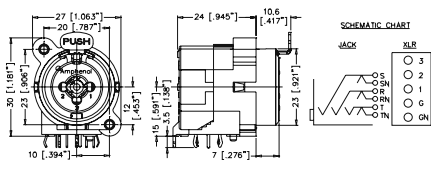

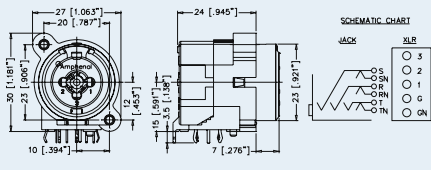

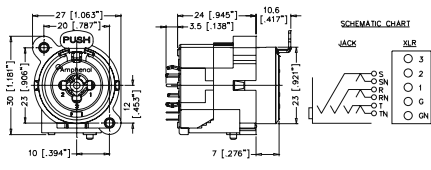

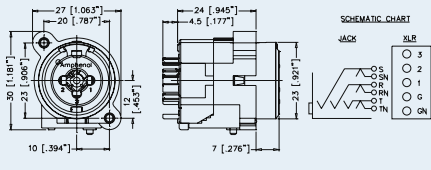
### Simple steps to guide you in using this catalogue

- 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.


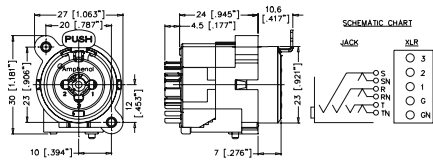

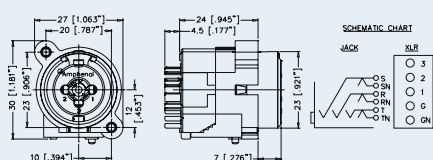




| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches)   | DESCRIPTION   | VARIATIONS                     | PART NUMBER  |
|------------------|---------|---|---|--------------------------------|--------------|
|                  |         | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>10.6 [0.417"]<br>12 [.472"]<br>15 [.591"]<br>7 [0.276"]<br>23 [0.907"]   | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack | Latching                       | ACJC6H BULK  |
|                  |         | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>10.6 [0.417"]<br>12 [.472"]<br>15 [.591"]<br>7 [0.276"]<br>23 [0.907"]   | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack | Non-latching, Retention Spring | ACJC6HL BULK |
|                  |         | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>10.6 [0.417"]<br>11.5 [.453"]<br>15 [.591"]<br>7 [0.276"]<br>23 [0.907"] | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack   | Latching                       | ACJC6V BULK  |
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|                  |         | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>10.6 [0.417"]<br>12 [.472"]<br>15 [.591"]<br>7 [0.276"]<br>23 [0.907"]   | XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack      | Latching                       | ACJC6S BULK  |
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|                  |         | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>10.6 [0.417"]<br>12 [.472"]<br>15 [.591"]<br>7 [0.276"]<br>23 [0.907"]   | XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack                 | Latching                       | ACJC9H BULK  |
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| PRODUCT - FIGURE  | DRAWING   | Dimensions in mm (inches)   | DESCRIPTION  | VARIATIONS                     | PART NUMBER   |
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|    |    | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>3.5 [0.138"]<br>10.6 [0.417"]<br>7 [0.276"]<br>23 [0.907"] | XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack                                | Latching                       | ACJC9V BULK   |
|    |    | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>3.5 [0.138"]<br>7 [0.276"]<br>23 [0.907"]                  | XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack                                | Non-latching, Retention Spring | ACJC9VL BULK  |
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|  |  | 27 [1.063"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>3.5 [0.138"]<br>10.6 [0.417"]<br>7 [0.276"]<br>23 [0.907"] | 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"]<br>20 [0.787"]<br>30 [1.181"]<br>23 [0.907"]<br>10 [.394"]<br>24 [0.945"]<br>3.5 [0.138"]<br>10.6 [0.417"]<br>7 [0.276"]<br>23 [0.907"] | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack   | Latching                       | ACJC10V BULK  |
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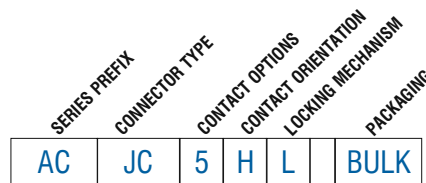
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|  |  |                           | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack | Latching                       | ACJC10S BULK  |
|  |  |                           | XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack | Non-latching, Retention Spring | ACJC10SL BULK |



## PART NUMBER BREAKDOWN

### AC SERIES THERMOPLASTIC C TYPE

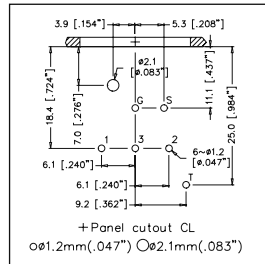
E. G. **ACJC5HL BULK**  
**AC** (Series Prefix), **JC** Jack/Connector XLR, **5** Mono, **H**orizontal Printed Circuit Board, **L**atchless, **BULK** Packaged.



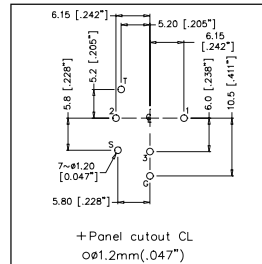
|                            |       |   |   |
|----------------------------|-------|---|---|
| <b>SERIES PREFIX</b>       | AC    | = | Series Prefix                             |
| <b>CONNECTOR TYPE</b>      | JC    | = | Jack / Connector XLR                      |
| <b>CONTACT OPTIONS</b>     | 5     | = | Mono, Non Switching, XLR Grounded         |
|                            | 6     | = | Stereo, Non Switching, XLR Grounded       |
|                            | 9     | = | Stereo, Switching, XLR Grounded           |
|                            | 10    | = | Stereo, Switching, XLR with Ground Switch |
| <b>CONTACT ORIENTATION</b> | V     | = | Vertical Printed Circuit Board            |
|                            | H     | = | Horizontal Printed Circuit Board          |
|                            | S     | = | Solder Contacts                           |
| <b>LOCKING MECHANISM</b>   | Blank | = | Latching                                  |
|                            | L     | = | Latchless                                 |
| <b>PACKAGING</b>           | Blank | = | Individual Bags                           |
|                            | BULK  | = | Bulk Packed                               |

## AC SERIES C TYPE SERIES

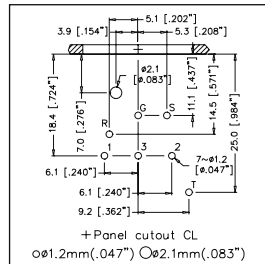
**ACJC5H  
ACJC5HL**



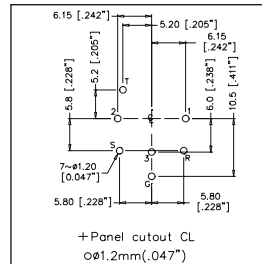
**ACJC5V  
ACJC5VL**



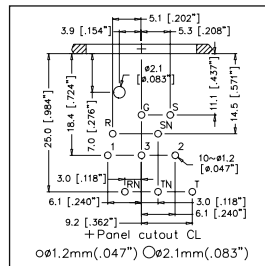
**ACJC6H  
ACJC6HL**



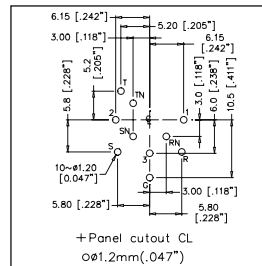
**ACJC6V  
ACJC6VL**



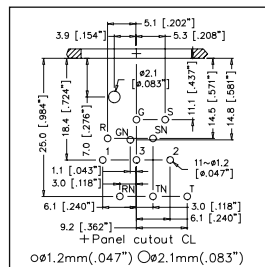
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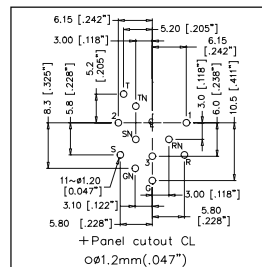
**ACJC9V  
ACJC9VL**



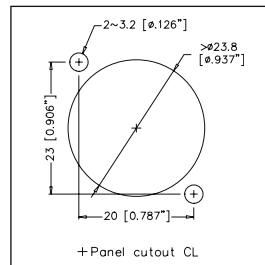
**ACJC10H  
ACJC10HL**



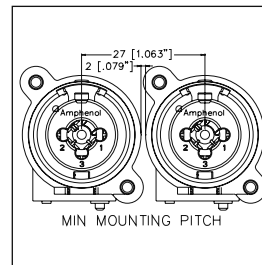
**ACJC10V  
ACJC10VL**



**C TYPE  
PANEL CUTOUT**



**C TYPE  
MOUNTING PITCH**



## STANDARD DATA C TYPE CHASSIS RECEPTACLES

|                                   |  | VALUE  |
|-----------------------------------|--|--|
| <b>GENERAL CHARACTERISTICS</b>    | Number of contacts                           | 5, 6, 9 or 10  |
|                                   | Termination                                  | Printed Circuit Board (PCB) or Solder Bucket                                   |
|                                   | Flammability                                 | UL 94HB  |
| <b>ELECTRICAL CHARACTERISTICS</b> | 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  |
| <b>CLIMATIC CHARACTERISTICS</b>   | Protection Class                             | IP40   |
|                                   | Operating Temperature                        | -25 °C to +70 °C   |
| <b>MECHANICAL CHARACTERISTICS</b> | Weight**                                     | 14g (0.030lb)  |
|                                   | Retention Spring separating force            | ≥20N   |
|                                   | Mounting Hole 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 |
| <b>MATERIALS</b>                  | Connector Shell                              | PA6.6 + 20% glass fibre reinforced, UL 94HB                                    |
|                                   | Shell Finish                                 | Black  |
|                                   | Insulators                                   | PA6.6 + 20% glass fibre reinforced, UL 94HB                                    |
|                                   | XLR Contact                                  |  |
|                                   | Material                                     | Bronze   |
|                                   | Plating                                      | Gold over Nickel plated  |
|                                   | Jack Contact                                 |  |
|                                   | Material                                     | Brass  |
| Plating                           | Silver over Copper plated                    |  |
| Latch lock and Spring             | Nickel Plated                                |  |
| Ground element                    | Silver over Copper plated                    |  |

Rev 3- 12/2009

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