



## 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.

### 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.

### 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

### 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).


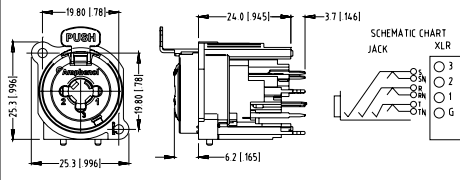

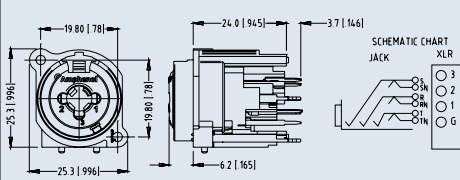

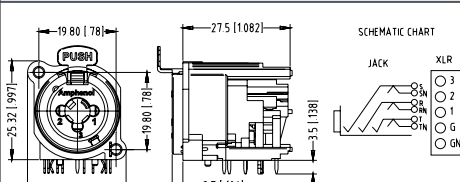

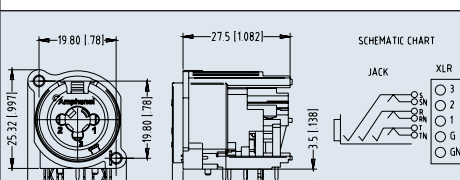

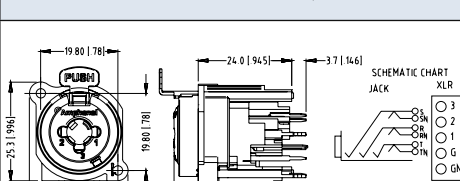

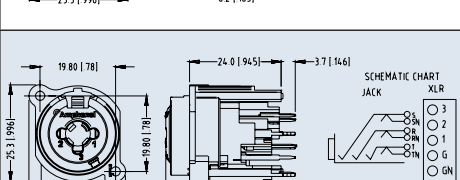
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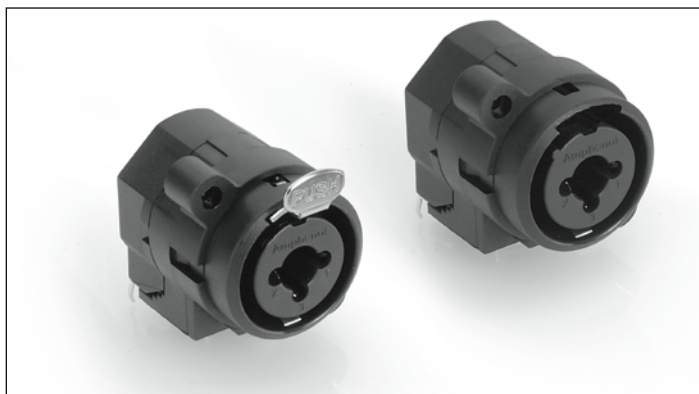
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PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AHL BULK
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AV2 BULK
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2L BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AHL BULK

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
			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	ACJC10AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10AHL BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10AV2 BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10AV2L BULK



## 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.
- Positive latch lock system (XLR).


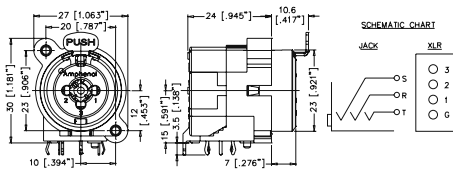

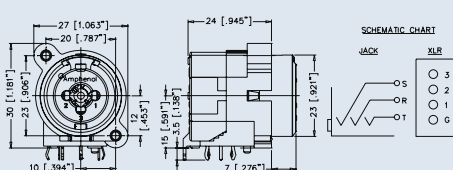

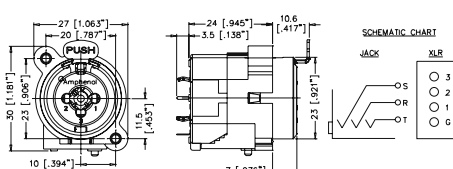

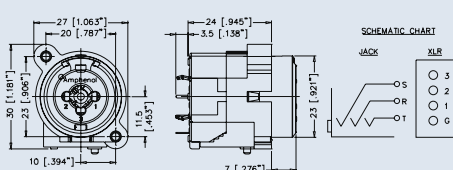

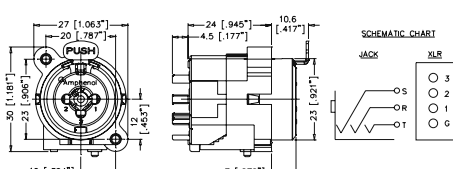

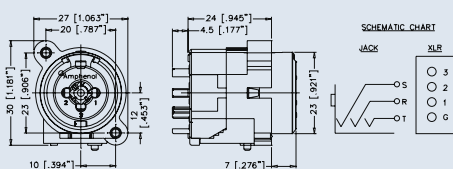

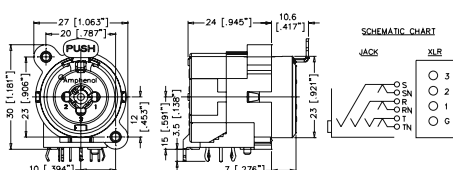

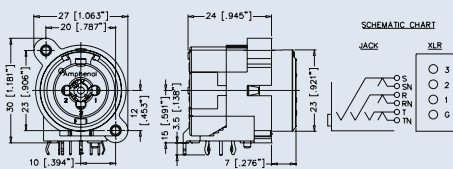
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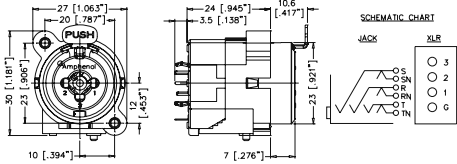

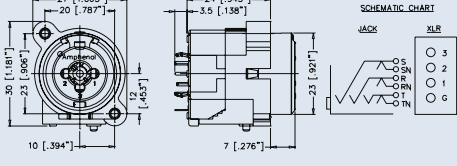

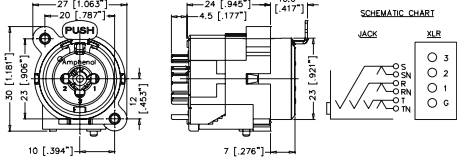

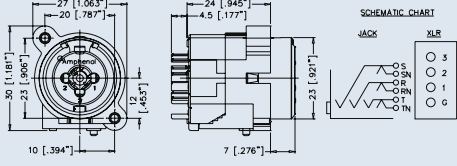

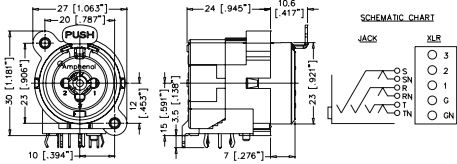

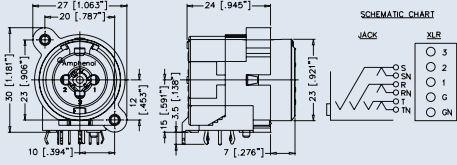

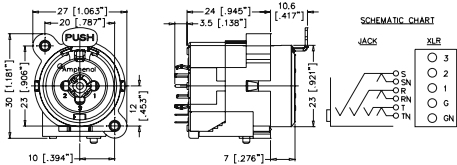

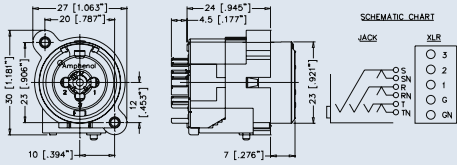
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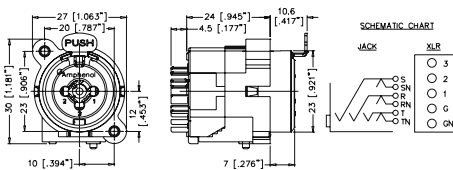

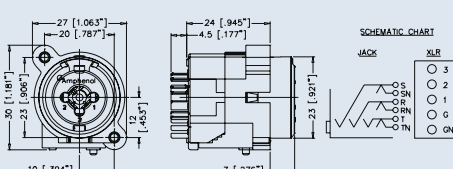
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5VL BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
			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
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
			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
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
			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

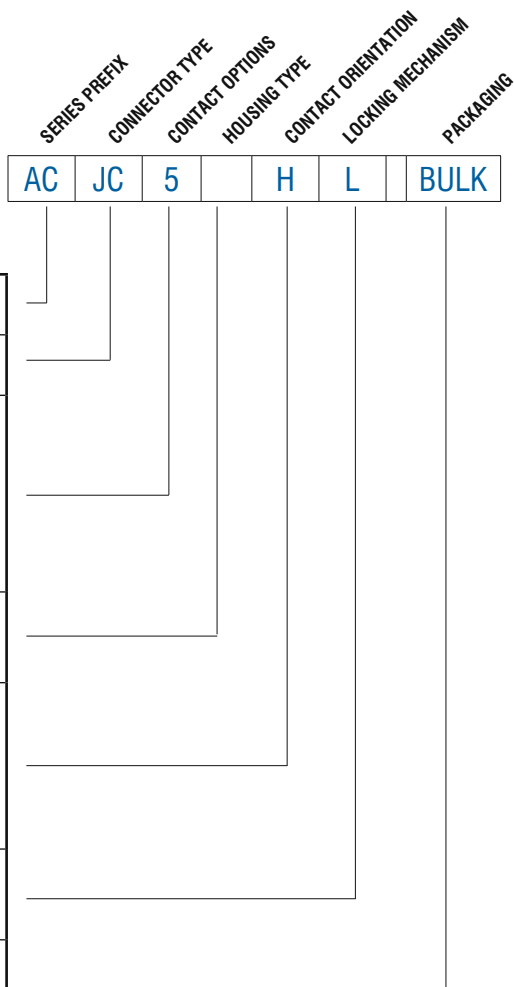
PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC10SL BULK

## 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 6 9 10	=	Mono, Non Switching, XLR Grounded Stereo, Non Switching, XLR Grounded Stereo, Switching, XLR Grounded Stereo, Switching, XLR with Ground Switch
<b>HOUSING TYPE</b>	Blank A	=	Standard Low Profile / High Density
<b>CONTACT TYPE</b>	V V2 H S	=	Vertical Printed Circuit Board Vertical Printed Circuit Board (24mm) Horizontal Printed Circuit Board Solder Contacts
<b>LOCKING MECHANISM</b>	Blank L	=	Latching Latchless
<b>PACKAGING</b>	Blank BULK	=	Individual Bags Bulk Packed







## 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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