



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

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

## Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page <?> 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.

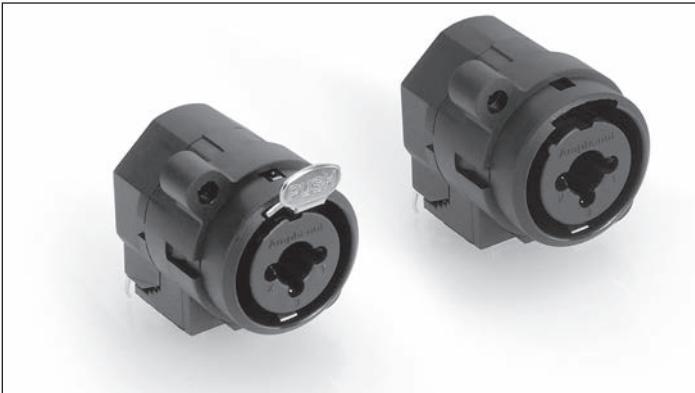


## Features:

- 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).

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	<a href="#">ACJC6AH BULK</a>
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC6AHL BULK</a>
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	<a href="#">ACJC6AV BULK</a>
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC6AVL BULK</a>
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	<a href="#">ACJC9AH BULK</a>
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC9AHL BULK</a>

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		Dimensions in mm (inches)	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV BULK
		Dimensions in mm (inches)	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AVL BULK
		Dimensions in mm (inches)	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
		Dimensions in mm (inches)	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
		Dimensions in mm (inches)	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
		Dimensions in mm (inches)	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	ACJC10AVL BULK



## Features:

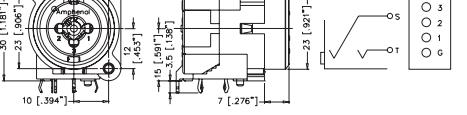
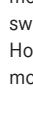
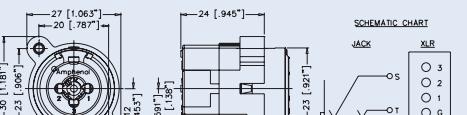
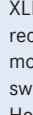
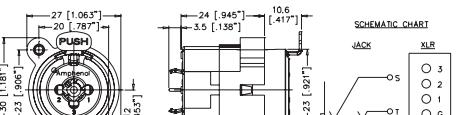
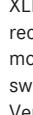
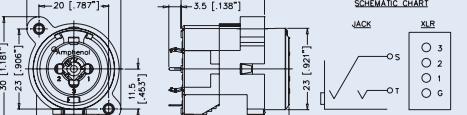
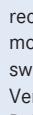
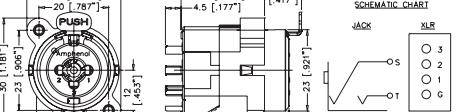
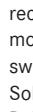
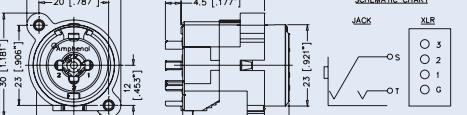
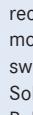
- Two connectors in the one housing.
- Space saving design.
- Industry standard PCB footprint layout.
- Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system (XLR).

## Part Number Breakdown: page 8

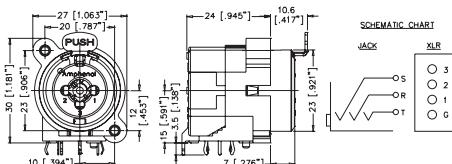
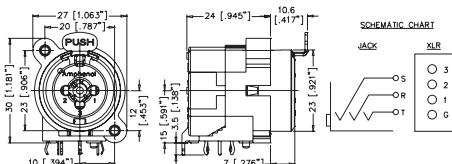
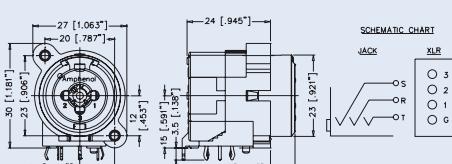
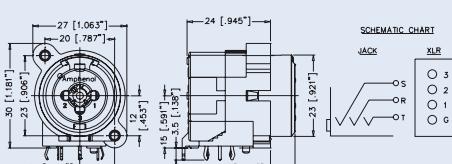
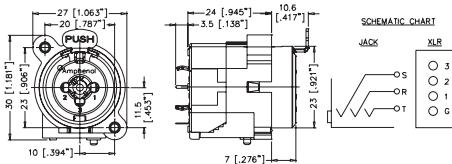
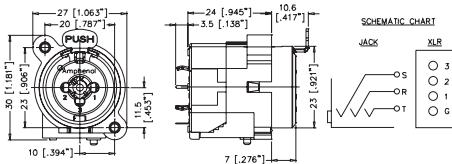
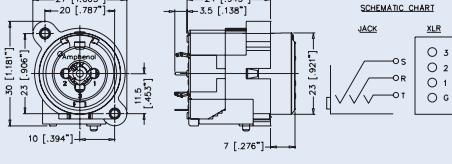
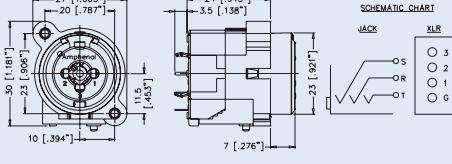
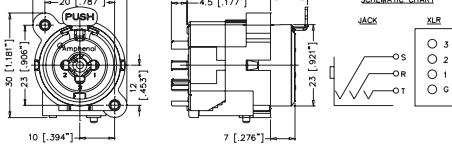
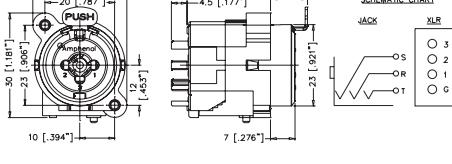
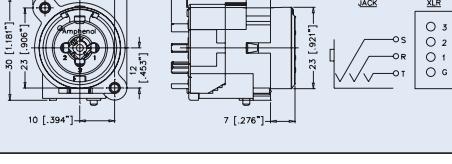
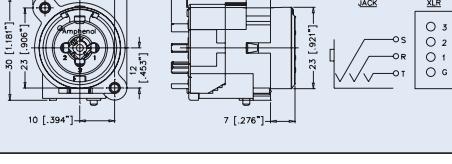
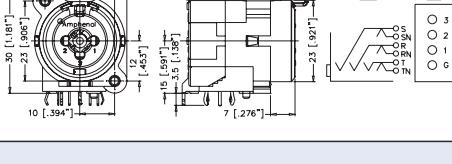
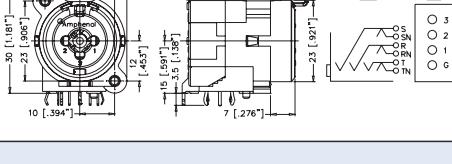
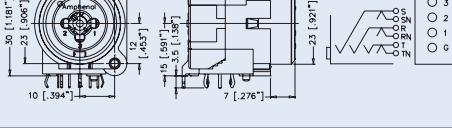
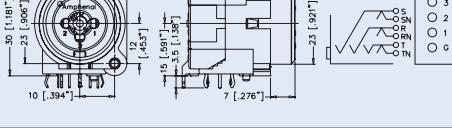
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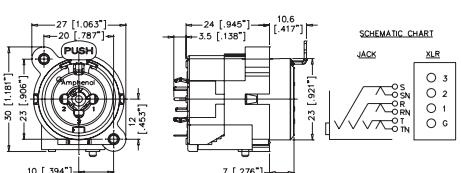
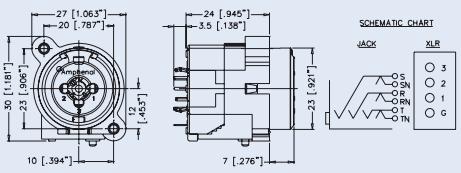
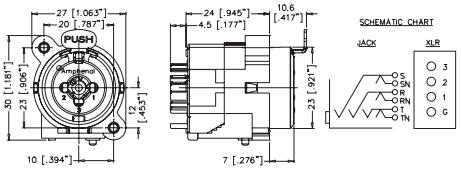
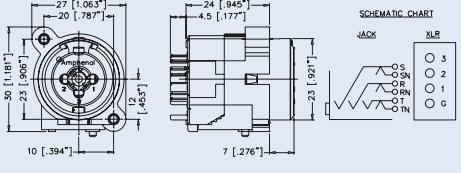
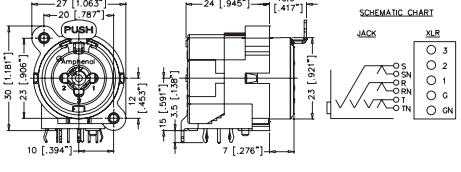
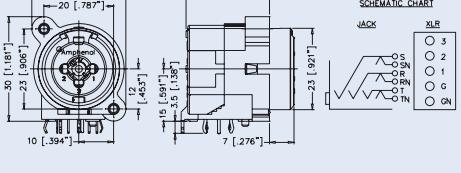
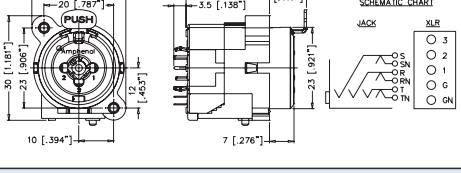
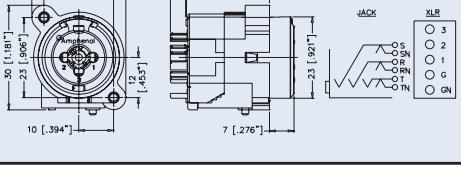
## PCB Footprints: page 9

Recommended Fastener: page 137

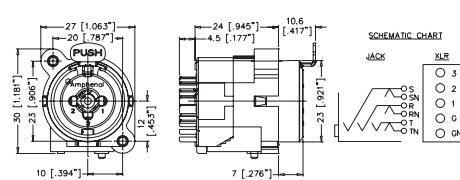
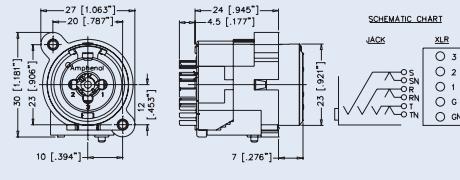
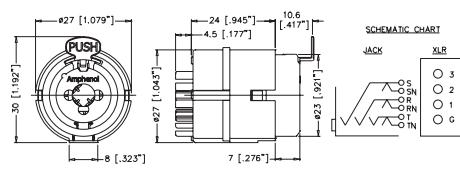
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal 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	<a href="#">ACJC6H BULK</a>
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC6HL BULK</a>
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	<a href="#">ACJC6V BULK</a>
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC6VL BULK</a>
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	<a href="#">ACJC6S BULK</a>
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC6SL BULK</a>
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	<a href="#">ACJC9H BULK</a>
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	<a href="#">ACJC9HL BULK</a>

PRODUCT - FIGURE		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	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

SERIES PREFIX      CONNECTOR TYPE      CONTACT OPTIONS      HOUSING TYPE      CONTACT ORIENTATION      LOCKING MECHANISM      PACKAGING

E. G. **ACJC5HL BULK**  
AC (Series Prefix), JC Jack / Connector XLR, 5 Mono, Horizontal Printed Circuit Board, Latchless, Bulk Packaged.

AC      JC      5      H      L      BULK

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				



# 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 Black
	Shell Finish		
	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

# Mouser Electronics

Authorized Distributor

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[ACJC9V](#)