THERMOPLASTIC C TYPE SERIES



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
- Overmoldable connector housing

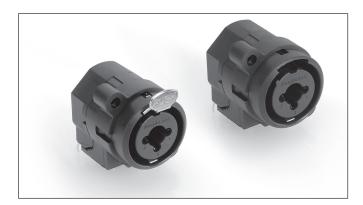
Ordering Codes

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.
- 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.

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- 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 54

Specifications: Page 56 PCB Footprints: Page 55

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.065] -20 [7.07] -20 [7.07] -24 [946"] 10.6 SCHEMATIC CHART MAC Mac	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
	27 [1063] 27 [1063] 27 [1063] 27 [1063] 27 [1063] 28 [2] 29 [2] 10 [394]	SCHEMATIC CHART 402 128 100 100 100 100 100 100 1	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 [1.083] 20 [7.08] 20 [7.08]	10.6 SCHMARC CHART SCHMARC	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
	20 (707) - 10 (707) -	340°] 350°] 360° 360° 360° 360° 360° 360° 360° 360°	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 [1.083] 20 [707] (Cup) (946*) 10.6 SCHMATE CHART 4602 SUB SCHMATE CHART 1777	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
10	27 [1.065] -20 [707] -20 [707] -24 [-55 [1] -25 [1] -26 [1] -27 [1.065] -28 [1] -28	SCHEMATIC CHART 1777 SCHEMATIC CHART 4005 3.8 0.5 0.5 0.5 0.7 1.276* 0.1 0.0 0.1	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK



VARIATIONS

DESCRIPTION

Dimensions in mm (inches)

Amphenol

PRODUCT - FIGURE

DRAWING

THERMOPLASTIC C TYPE SERIES

PART NUMBER

FRUDUCI - FIGURE	DIAWING	Dimensions in mm (inches)	DESCRIPTION	VAINATIONS	FANT NUMBER
	27 [1.065] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287]	24 [945] 10.6 SCHMATIC CHART MAC SAR O S O C C C C C C C C C	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
	27 [1.063] 20 [.797] 10 [.394]	SCHMATC CHART 402	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6HL BULK
	10 [.994*]	24 [345] 10.6 SOHMATIC CHART ACS 3.5 (138°) ACS 3.5	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
	27 [1.063 ⁸] 27 [1.063 ⁸] 20 [.787] (6) [1.063 ⁸] (7.07) (8) [2.08 ⁸]	24 (345°) 3.5 (138°) 3.5 (138°) 3.6 (138°) 3.7 (276°) 3.7 (276°) 3.8 (276°) 3	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6VL BULK
0	27 [1.063] -20 [.297] -20 [.297] -20 [.297] -20 [.297] -20 [.297] -20 [.297] -20 [.297] -20 [.297]	24 [345] 10.6 SCHMATC CHART 4.5 [177] 4.5 [177	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
	27 [1.063] -20 [1.063] -20 [1.07] -20 [1.07] -20 [1.07] -20 [1.07] -20 [1.07] -20 [1.07] -20 [1.07]	24 [945] 4.5 [1777] SCHMATIC CHART 4.5 [1777] 4.0	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
	77 (1063) (1077) (1087) (10	24 [945] 10.6 SCHMATE CHART 402 N.8 50 0 3 50 0 0 3 7 (276) 10 0 6	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	27 [1.063] -20 [7:37] -20 [7:37] -20 [7:37] -20 [7:37] -20 [7:37] -20 [7:37] -20 [7:37] -20 [7:37]	Schimatic Chari Acc	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

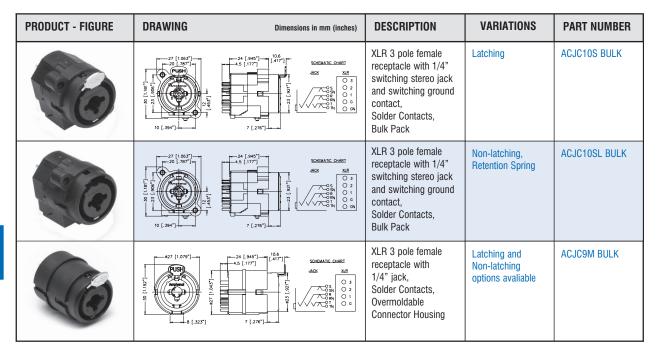


THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.065] 20 [787] 10 [.394]	24 [945] 10.6 SCHMAIR CHART 4.17 SCHMAIR CHART 4.17 4	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
	27 [1.065] -20 [7.07] -20 [7	24 [945] 3.5 [188] SOIEMAIG CHART AGE 3.8 3.2 3.5 3.2 3.5 3.2 3.5 3.2 3.5	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
	27 [1.067] -27 [1.067] -20 [27] -20 [27] -	24 [245] 10.6 SCHMATIC CHART 4.5 [1777] 4.5	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
	27 [1.065] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07]	24 [945] 4.5 [177] Schematic chart 4.5 [177] 4.5 [177] 4.6 [177] 4.7 [177] 5.6 [177] 5.7 [177] 5.7 [177] 5.7 [177] 5.7 [177] 5.7 [177] 5.8 [177] 7. [176]	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 [1.063] -10 [1.063] -10 [1.063] -10 [1.063]	24 [945] 10.6 SCHMATIC CHART	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
	27 [1.065] -20 [7.07] -20 [7	Schematic Chart AGS 38 0 1 Schematic Chart AGS 90 0 1 AGS 90 0	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 [1.0637] -20 [1.077] -20 [1.077] -20 [2.077] -20 [24 (345°) 10.6 SCHMATIC CHART 4.0 3.5 (135°) 4.0 3.5 (135°) 4.0 3.5 (135°) 4.0 3.5 (135°) 4.0	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
	27 [1.065] -20 [.087] -30 [.087] -30 [.594]	24 [945] 4.5 [177] SOMMATIC CHART 4.5 [177] 4.5 [0.177	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



THERMOPLASTIC C TYPE SERIES





PART NUMBER BREAKDOWN

AC SERIES THERMOPLASTIC C TYPE

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

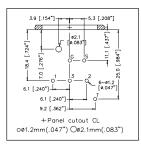
SERIES PREFIX	AC	=	Series Prefix
CONNECTOR TYPE	JC	=	Jack / Connector XLR
CONTACT OPTIONS	5	=	Mono, Non Switching, XLR Grounded
	6	=	Stereo, Non Switching, XLR Grounded
	9	=	Stereo, Switching, XLR Grounded
	10	=	Stereo, Switching, XLR with Ground Switch
CONTACT/	V	=	Vertical Printed Circuit Board
CONTACT/ HOUSING TYPE	V H	=	Vertical Printed Circuit Board Horizontal Printed Circuit Board
· ·		= = =	
· ·	Н	= = =	Horizontal Printed Circuit Board
HOUSING TYPE	H S	= = = =	Horizontal Printed Circuit Board Solder Contacts
HOUSING TYPE	H S M	= = = = =	Horizontal Printed Circuit Board Solder Contacts Overmoldable Connector Housing
HOUSING TYPE	H S M Blank	=	Horizontal Printed Circuit Board Solder Contacts Overmoldable Connector Housing Latching

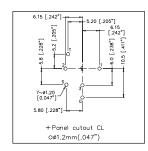
	SERIES	COMMECTS	COM	AC' CON	INC.)	PACKAGIN	
	AC	JC	5	Н	L	BULK	
g							

THERMOPLASTIC C TYPE SERIES

AC SERIES C TYPE SERIES

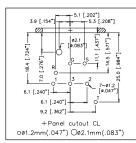
ACJC5H ACJC5HL

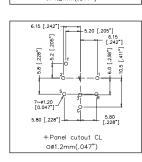




ACJC5V ACJC5VL

ACJC6H ACJC6HL

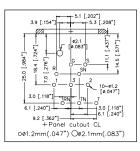


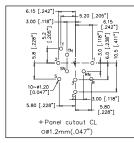


ACJC6V ACJC6VL



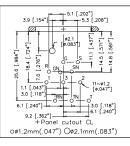
ACJC9H ACJC9HL

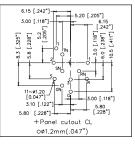




ACJC9V ACJC9VL

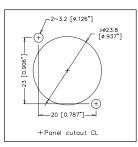
ACJC10H ACJC10HL

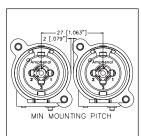




ACJC10V ACJC10VL

C TYPE PANEL CUTOUT





C TYPE Mounting Pitch



STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VALUE			
GENERAL	Number of contacts	5, 6, 9 or 10			
CHARACTERISTICS	Termination	Printed Circuit Board (PCB) or Solder Bucket			
	Flammability	UL 94HB			
ELECTRICAL	Service Voltage RMS	50V			
CHARACTERISTICS	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	Protection Class	IP40			
CHARACTERISTICS	Operating Temperature	-25°C to +70°C			
MECHANICAL CHARACTERISTICS	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			
MATERIALS	Connector Shell Shell Finish	PA6.6 + 20% glass fibre reinforced, UL 94HB Black			
	Insulators	PA6.6 + 20% glass fibre reinforced, UL 94HB			
	XLR Contact Material Plating	Bronze 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			

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