THERMOPLASTIC C TYPE SERIES



Amphenol

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.

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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 54

Specifications: Page 55 PCB Footprints: Page 56

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.063] -20 [787] -20 [787]	24 [945] 10.6 SCHEMATIC CHART ACC SUR CONT CON	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
	27 (1.063) -27 (1.063) -20 (7.07) -1 (2.07) -1 (2.0	SCHEMATIC CHART JGZ NR JGZ N	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 [1.065] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07]	24 [345] 10.6 SCHMARIC CHART ACC 21.8 SCHMARIC CHART A	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
30	27 [1.065] 27 [1.065] 20 [7.07] 10 [.394] 10 [.394]	24 [945] -5.5 [135] -5.5 [135] -5.5 [137] -5.5 [137] -5.5 [137] -5.5 [137] -7 [276] -7 [276] -7 [276]	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 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07]	24 [345] 10.6 SCHMATIC CHART 4.5 [1777] 4ACS 21.8 O S O S O S O S O S O S O S O S O S O	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
	27 [1.063] -20 [787] -20 [787] -30 [787] -10 [394]	24 [945] 4.5 [1777] 4.5 [1777] 4.6 SCHEMATIC CHART 4.6 S	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK



THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.087] -20 [287] -20 [287]	24 [.945] 10.6 SOMEWARD CHART MCS XLR CO S CO CO CO CO CO CO	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
	27 [1.0637] 20 [787] 10 [394]	SCHEMATIC CHART ACC MR ACC MR O S O S O C O T O C O T O C	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 [1.087] -20 [1	24 (245") 10.6 SCHEMATIC CHART ACS M.R. ACS M.R. ACS M.R. ACS M.R. ACS M.R. ACS M.R. ACS	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
	27 [1.065] 20 [787] 10 [.394]	24 [945] -3.5 [138] -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
	77 [1.063] -20 [287] -20 [287] -20 [287] -20 [287]	24 [345] 10.6 SCHMATIC CHART 4.5 [177] 4.0 XLS X	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
	27 [1.065] -20 [787] -20 [787] -20 [787]	24 [945] SCHEMATIC CHART 4.5 [1777] ACC SUE	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
	27 [1063] -27 [1063] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287]	24 (.945) - (.417) - SCHEMATIC CHART ACC XL8 C X	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	27 [1.063] -20 [797] -20 [797]	SCHEMATIC CHART ACC 24 [945] SCHEMATIC CHART ACC 24 [945] SCHEMATIC CHART ACC 25 [945]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK



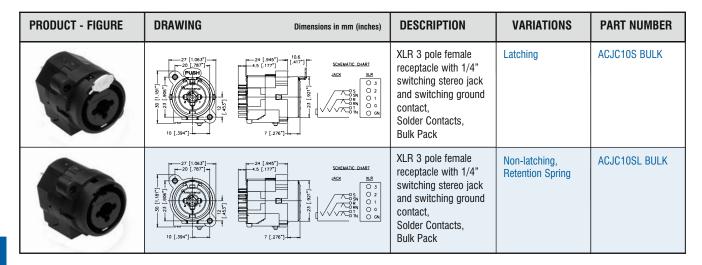
THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.083] -20 [1.	24 [945"] 10.6 3.5 [138"] 447"] SCHEMATIC CHART 400 3 0 3 0 3 0 3 0 3 0 0 2 1 0 0 0 1 0 7 [276"] 0 6	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
SO	27 [1.065] 20 [.787] 10 [.394]	24 [945] 3.5 [138] SCHEMATIC CHART AACK NR OS	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
	27 [1.083] -20 [.7837] -20 [.	10.6 SCHEMATIC CHART 4.5 [1777] 4	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
	27 (1.063°) 20 (787°) 10 (394°)	24 [946] A 5 [177] SCHEMATIC CHART AACK MR O 5 O 5 O 7 O 8 O 1 O 7 O 7 O 7 O 7 O 7 O 7 O 7	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 [.787] -20 [.	10.6 10	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 [787] [20] (2	SCHEMATIC CHART ADOX MAR	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 [1.083] -20 [1.	24 [345] 10.6 SCHEMATIC CHART ACC SUBS O 2 O 3 O 2 O 3	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 [.787'] 10 [.394']	24 [946] A 5 [177] SCHEMATIC CHART ADX MR O 3 O 2 O 3 O 7 O 10	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.

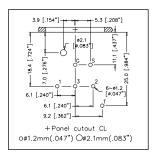
SERIES PREFIX	AC	=	Series Prefix
CONNECTOR TYPE	JC = Jack/		Jack / Connector XLR
CONTACT OPTIONS	5	=	Mono, Non Switching, XLR Grounded
	6	=	Stereo, Non Switching, XLR Grounded
	9	=	Stereo, Switching, XLR Grounded
	10	=	Stereo, Switching, XLR with Ground Switch
CONTACT ORIENTATION	V	=	Vertical Printed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

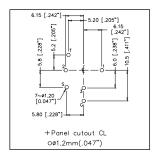
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AC	JC	5	Н	L		BUL	K

THERMOPLASTIC C TYPE SERIES

AC SERIES C TYPE SERIES

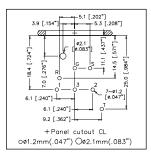
ACJC5H ACJC5HL

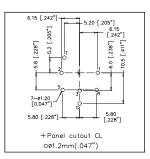




ACJC5V ACJC5VL

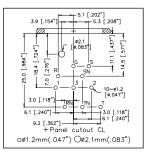
ACJC6H ACJC6HL

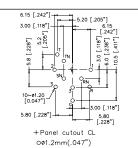




ACJC6V ACJC6VL

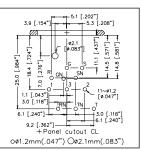
ACJC9H ACJC9HL

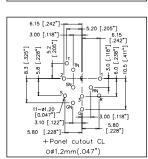




ACJC9V ACJC9VL

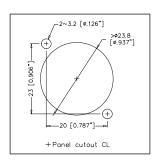
ACJC10H ACJC10HL

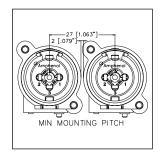




ACJC10V ACJC10VL

C TYPE PANEL CUTOUT





C TYPE MOUNTING PITCH



STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VALUE			
GENERAL CHARACTERISTICS	Number of contacts	5, 6, 9 or 10			
CHARACIERISTICS	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	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			

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

