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 on page 45. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 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.



THERMOPLASTIC C TYPE SERIES



- 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 45

Specifications: Page 47 PCB Footprints: Page 46



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
30	27 [1063] -20 [787] -20 [787]	10.6 SCHEMATIC CHART 465 OS OS OS OS OS OT OT OF OT	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
SO	27 (1.06.5) 20 (78.7) 10 (394.7)	24 [.945"] SCHEMBIC CHART 4605 X48 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
30	27 [1083] 20 [787] 20 [787] 30 [787]	24 [945"] 10.6 SCHEMATIC CHART SCHEMATIC CH	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
30	27 [1085] 20 [787] 10 [394]	24 [.945] 5.5 [.135] SCHEMATIC CHART ACK NR O S O S O T 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
16	27 [10837] -27 [10837] -20 [10837] -20 [10837] -20 [10837] -20 [10837] -20 [10837]	24 [.945] 10.6 5 [.1777] SCHEMATIC CHART 405 N.R 0 S O S O 2 7 [.276] 0 T O 6	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
0	27 [1063] 20 [787] 10 [394]	24 [.945] .5 [.177] SCHEMATIC.CHARI 4628 328 0 5 0 2 0 1 7 [.276]	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
10	27 [1083] 20 [387] 20 [387] 10 [394]	24 [.945"] 10.6 SCHEMATIC CHART AGOS SUB SUB	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
30	27 [1.083] -22 [1.083] -22 [1.083] -23 [1.083] -23 [1.083] -24 [1.083] -25 [1	SCHEMATIC CHART ACC SAE S	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	27 [1097] -20 [10	24 [.945*] 10.6 SCHMATIC CHART SCHMA	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
10	27 [10.65] 20 [7.67] 10 [.394]	24 [.945"] 55 [.138"] SCHEMATIC.CHART 4628 24. 35. 36. 37. 37. 37. 37. 37. 37. 37	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6VL BULK
10	27 [1083] -22 [1787] -22 [1787] -23 [1787] -24 [1787] -25 [1787] -25 [1787] -25 [1787]	24 [.945] 10.6 .5 [.1777] SCHEMATIC CHART 460 M.R 0 3 0 3 0 7 (.276*) 0 0 0	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
6	27 [1.063] 20 [787] 5 [8] 10 [.394]	24 [.945"] 5.5 [.177] SCHEMATIC. CHART 400 28	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
10	25 (1907) (19	24 [.945"] 10.6 SCHEMATIC CHART ACC SLE CONTROL CONTROL	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
10	27 [1063] -20 [787] -10 [394] -10 [394]	SCHEMATIC CHART ACC	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

VARIATIONS

Amphenol

DRAWING

PRODUCT - FIGURE

THERMOPLASTIC C TYPE SERIES

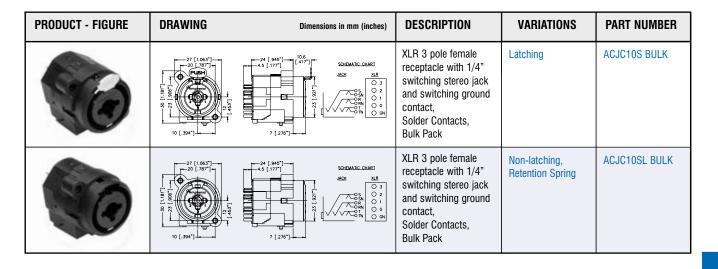
PART NUMBER

30	27 [1.065] 24 [1.065] 25 [1.367] 26 [3467] 27 [2767] 27 [2767] 27 [2767] 27 [2767] 27 [2767] 27 [2767] 28 [3467] 30 [367] 30	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
30	27 [1063] 24 [945] 50:EMAIIC CHARI 402 M.8 50:5 N. O 2 50:5 N. O 2 7 [276] 10 [394]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
10	27 [1.065] -24 [940] -25 [7.07] -24 [940] -25 [7.07] -25 [7.07] -26 [940] -27 [7.08] -27 [7.08] -28 [940] -28 [940] -29 [XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
0	27 [1.063] 24 [.945] 50 SCHEMATIC CHART 40 MB 50 SM 0 2 50 M 0 1 7 [276]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
NG)	27 [1.065] 24 [945] 10.6 SCHEMATIC CHART 400 MC MC MC MC MC MC MC MC MC	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
30	27 [1.065] 27 [1.065] 28 [36] 29 [37] 20 [394] 20 [394] 20 [394] 21 [394] 22 [394] 23 [394] 24 [345] 24 [345] 25 [394] 26 [394] 27 [376] 27 [376] 27 [376] 27 [376]	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
10	27 [1065] 24 [366] 10.6 3.5 (1367) 3.6 3.7 3.7 3.7 3.7 3.7 3.7 3.7	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
10	27 [1.063] 27 [1.063] 28 SCHEMATIC CHART 40 SMS 3 SCHEMATIC CHART 40 SMS 3 SMS 3 SMS 40 SMS 5 SMS 6 SMS 7 [276] 7 [276]	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

DESCRIPTION

Dimensions in mm (inches)



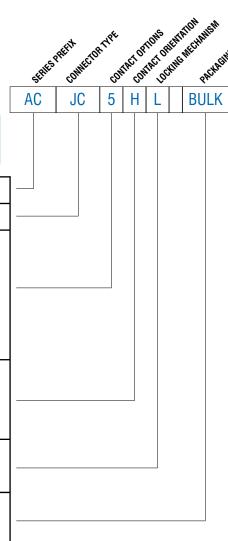


PART NUMBER BREAKDOWN

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 ORIENTATION	V	=	Vertical Printed Circuit Board	
ONIENTATION	Н	=	Horizontal Printed Circuit Board	
	S	=	Solder Contacts	
LOCKING MECHANISM	Blank	=	Latching	
MECHANISM	L	=	Latchless	
PACKAGING	Blank	=	Individual Bags	
	BULK	=	Bulk Packed	

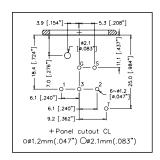


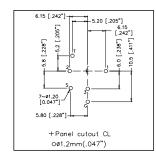
THERMOPLASTIC C TYPE SERIES

Amphenol

AC SERIES C TYPE SERIES

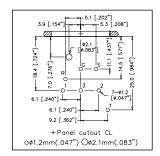
ACJC5H ACJC5HL

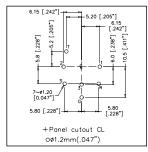




ACJC5V ACJC5VL

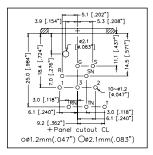
ACJC6H ACJC6HL

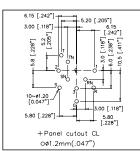




ACJC6V ACJC6VL

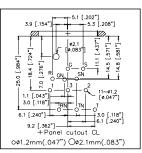
ACJC9H ACJC9HL

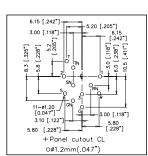




ACJC9V ACJC9VL

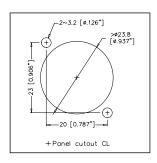
ACJC10H ACJC10HL

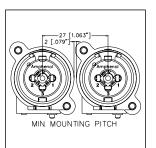




ACJC10V ACJC10VL

C TYPE PANEL CUTOUT





C TYPE Mounting Pitch



STANDARD DATA C TYPE CHASSIS RECEPTACLES

GENERAL CHARACTERISTICS Number of contacts 5, 6, 9 or 10 Termination Printed Circuit Board (PCB) or Solder Bucket Flammability UL 94HB ELECTRICAL CHARACTERISTICS Test Voltage RMS 50V Test Voltage AC RMS 1500V Current carrying capacity 7.5A Typical Contact Resistance ≤ 10mΩ Insulation Resistance (after damp heat test) > 26Ω Insulation Resistance (after damp heat test) > 26Ω MECHANICAL CHARACTERISTICS (Protection Class IP40 C to +80°C 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 config	
Termination	
ELECTRICAL CHARACTERISTICS Gervice Voltage RMS 50V Test Voltage AC RMS 1500V Current carrying capacity 7.5A Typical Contact Resistance ≤ 10mΩ Insulation Resistance (initial) > 2GΩ Insulation Resistance (after damp heat test) > 0.5GΩ CLIMATIC CHARACTERISTICS Operating Temperature -30°C to +80°C MECHANICAL CHARACTERISTICS Weight** 14g (0.030lb) Retention Spring separating force ≥ 20N Mounting Hole torque max. 1.5Nm Mechanical Operations 1500 mating cycles	
CHARACTERISTICS Test Voltage AC RMS 1500V Current carrying capacity 7.5A Typical Contact Resistance ≤ 10mΩ Insulation Resistance (initial) > 2GΩ Insulation Resistance (after damp heat test) > 0.5GΩ CLIMATIC CHARACTERISTICS MECHANICAL CHARACTERISTICS IP40 MECHANICAL CHARACTERISTICS Weight** 14g (0.030lb) Retention Spring separating force ≥ 20N Mounting Hole torque max. 1.5Nm Mechanical Operations 1500 mating cycles	
CLIMATIC CHARACTERISTICS MECHANICAL CHARACTERISTICS Protection Class IP40 MECHANICAL CHARACTERISTICS Weight** 14g (0.030lb) Retention Spring separating force ≥ 20N Mounting Hole torque max. 1.5Nm Mechanical Operations 1500 mating cycles	
CHARACTERISTICS MECHANICAL CHARACTERISTICS Weight** 14g (0.030lb) Retention Spring separating force ≥ 20N Mounting Hole torque max. 1.5Nm Mechanical Operations 1500 mating cycles	
Operating Temperature -30°C to +80°C MECHANICAL CHARACTERISTICS Weight** Retention Spring separating force Mounting Hole torque max. Mechanical Operations 1500 mating cycles	
CHARACTERISTICS Retention Spring separating force ≥ 20N Mounting Hole torque max. Mechanical Operations 1500 mating cycles	
Retention Spring separating force ≥ 20N Mounting Hole torque max. 1.5Nm Mechanical Operations 1500 mating cycles	
Mechanical Operations 1500 mating cycles	
Eactoning PT corew with thread 2.0 v 1.06 and of Tri randular config	
Tastering Sen-rapping FT screw with thread 2.5 x 1.00 and of first-foliular config	ıration
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 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.