

THERMOPLASTIC C TYPE SERIES

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.

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

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.





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).

Part Number Breakdown: Page 55

Specifications: Page 57
PCB Footprints: Page 56
Recommended Fastener: Page 137



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
10	966 07 52 1986 1986 1986 1986 1986 1986 1986 1986	SCHEMATIC CHART JACK NIR OR OR OR OR OR OR OR OR OR	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6AH BULK
6	96. 00 St. -25 30 [996]	SCHEMATIC CHART JACK XLR O O O O O O O O O O O O O O O O O O O	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
10	19 80 78 F 19 80 78 19 80 78 19 80 19	37 146 SCHEMATIC CHART JACK XLR OS	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
10	966 [52	24 0 945 — 37 146 SCHEMATIC CHART JACK XLR VLR OC	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2L BULK
10	966 08 51 18 1 18 1 18 1 18 1 18 1 18 1 18	275 1082 SCHEMATIC CHART SCHEMATIC CHART JACK XLR XLR	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AH BULK
0	19 80 78 19 80 1	27 5 1082 SCHEMATIC CHART JACK XLR 35 0 3 0 2 85 0 1 87 0 1 87 0 6	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AHL BULK

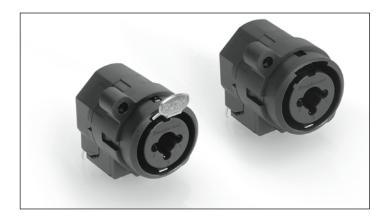
AC SERIES CHASSIS CONNECTORS

THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	9 80 178 (PUBB) (S) (S) (S) (S) (S) (S) (S) (S	24.0 945 37 146 SCHEMATIC CHART JACK XI.R 38 3 2 3 3 3 3 3 3 3 3	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
10	19.80 78 19.80 78 19.80 19.8	24.0 945 37 14.6 SCHEMATIC CHART JACK XLR 95 0.2 0.5	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
	198 78 198 1	27.5 1082 SCHEMATIC CHART JACK XLR XLR	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
0	-19 80 78 -19 80 78 -18 21 108 61 -25 30 996	SCHEMATIC CHART JACK XLR O 2 SSHEMATIC CHART JACK XLR O 2 SSH O 1 SSH O 6 O 6N	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
16	19 80 178 PUBBA PU	24.0 94.5 37 14.6 SCHEMATIC CHART JACK XLR Sh 0 2 3 0 0	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
10	19 80 78 F 19 80 F	24 0 945 37 14.6 SCHEMATIC CHART JACK XLR XLR 95 0 2 2 3 5 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 0	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).

Part Number Breakdown: Page 55 Specifications: Page 57 PCB Footprints: Page 56 Recommended Fastener: Page 137



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.063] 20 [.787] 10 [.394]	10,6 10	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
	27 (1.063°) 20 [.787°] 487°] (1.063°) 10 [.394°]	SCHEMATIC CHART 4ACS 3ACS 4ACS 4ACS 5CHEMATIC CHART 4ACS 5CHEMATIC CHART 4ACS 7CHEMATIC CHART 4ACS 7CHE	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 [1.063*] 20 [.787*] 20 [.787*] 3 [.787*] 4 [.787*] 5 [.787*] 5 [.787*] 7	10.6 10	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
	27 [1.063*] 20 [.787*] 3 [.000*] 3 [.000*] 4 [.000*] 5 [.000*] 5 [.000*] 6 [.000*] 7 [(945") SCHEMATIC CHART	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 (68)] 20 [78] 30 [78] 4 [7] 4 [7] 5 [7] 6 [7] 6 [7] 7 [7] 7 [7] 8 [7] 9 [7] 10 [394]	10.6 5 [1777] 10.6 5 [1777] SCHEMATIC CHART SC	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
10	27 [1.063"] 20 [787"] 30 [787"] 10 [394"]	\$ [.945] SCHEMATIC CHART 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 [1.063] -20 [7.07] -20 [7	24 [945"] 10.6 SOMEWARD CHART 462 XAR 0 S 0 2 0 R 0 1 7 [276"] 0 G	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H 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]	24 [945"] SCHEMARIC CHART ACK SUR OR OI OI OI OI OI OI OI OI O	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 [1.065] -20 [7.07] -20 [7	24 [346*] 10.6 SCHMARC CHART ACS SLR O 3 O 2 O 7 O 6 O 7 O 6 O 7 O 6 O 7 O 6 O 7 O 6 O 7 O	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
	27 [1085] 20 [787] 10 [394]	24 [940] SOHMARIC CHART ACK MR OS OS OS OS OS 7 [276] OS OS 7 [276]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6VL BULK
	27 [1.065] -20 [297] -20 [297] -20 [297] -20 [297] -20 [297]	24 [346"] 10.6 4.5 [177] 4ACS 31.8 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
	27 [1.065] 27 [1.065] 20 [787] 10 [.394*]	24 [945] 45 [177] 50:EMATIC CHART 40	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
	27 [1065] -20 [787] -20 [787] -20 [787] -20 [787] -20 [787] -20 [787] -20 [787]	24 [945*] 10.6 SOMEMATIC CHART ACC NATE OF SOME OF SOM	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	27 [1065] -20 [.787] -20 [.787] -20 [.787] -20 [.787] -20 [.787] -20 [.787] -20 [.787] -20 [.787]	SOHEMATIC CHART #ACK MAR OS 0 5 OS 0 0 TO 1 TO 2 TO 2 TO 3	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK



VARIATIONS

DESCRIPTION

Dimensions in mm (inches)

Amphenol

DRAWING

PRODUCT - FIGURE

THERMOPLASTIC C TYPE SERIES

PART NUMBER

		Difficusions in film (mones)			
	27 [1.063] 20 [277] 20 [277] 10 [394]	24 [.945] 10.6 (417] SCHEMATIC CHART 4ACC M.R. (417)	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
	27 [1.06.5] 20 [.787] 10 [.394*]	24 [945] 50 [138] 50 [138] 50 [138] 400 MR 50 [5] 50 [5] 7 [276]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
	27 (1.063) -20 [.267] -20 [.267] -20 [.27] -20 [.27	24 [346] 10.6 10.6	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
CO	27 (1.06.5°) 20 [.787] 	224 [945*] SCHEMATIC CHART 45 [1777] 460 9.8 0 1 7 [276*] 7 [276*]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
	27 [1.065] -20 [277] (FUSH) (S) 21 [27] 10 [394]	24 [945] [0.5] SCHEMATIC CHART AAOX N.8 O 3 O 2 O 3 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 and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
	27 (1.06.5°) 20 [.787] (1.06.5°) (1.06.5°	SCHEMATIC CHART AGE 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.	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 [1.063] 20 [.787] 20 [.787] 10 [.394]	24 [.946] 10.6 .417] SCHEMATIC CHART .408 .28	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 [.797] 20 [.797] 30 [.797] 30 [.797]	24 [.945] SCHEMATIC CHART 460	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

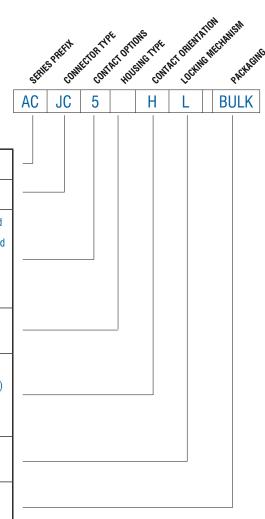
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 (1.05°) 20 [.727] 20 [.727] 10 [.394]	24 [.945*] 10.6 SCHMARC CHART ACK N.R CHART ACK ACK CHART ACK ACK CHART ACK CHART ACK CHART ACK CHART ACK	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
10	27 (1.063°) 20 (7.77°) 10 (7.394°) 10 (7.394°)	24 [945"] 4.5 [1777] AGS SCHEMATIC CHART AGS SLR O S O 2 O S O 1 O N O N O N	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



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.

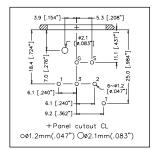
SERIES PREFIX	AC	=	Series Prefix
CONNECTOR TYPE	JC	=	Jack / Connector XLR
	5	=	Mono, Non Switching, XLR Grounded
	6	=	Stereo, Non Switching, XLR Grounded
CONTACT OPTIONS	9	=	Stereo, Switching, XLR Grounded
	10	=	Stereo, Switching, XLR with Ground Switch
HOHEING TYPE	Blank	=	Standard
HOUSING TYPE	A	=	Low Profile / High Density
	٧	=	Vertical Pritned Circuit Board
CONTACT TYPE	V2	=	Vertical Printed Circuit Board (24mm)
CONTACT TIPE	Н	=	Horizontal Printed Circuit Board
	S	=	Solder Contacts
LOCKING	Blank	=	Latching
MECHANISM	L	=	Latchless
DACKACING	Blank	=	Individual Bags
PACKAGING	BULK	=	Bulk Packed

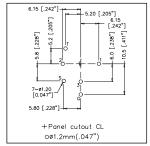


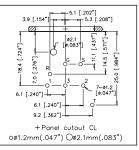


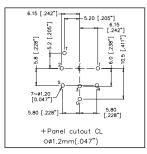
THERMOPLASTIC C TYPE SERIES

AC SERIES C TYPE SERIES

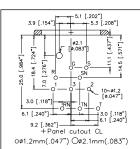




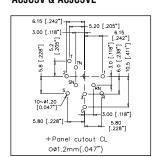




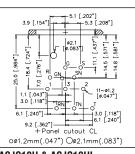
ACJC5H & ACJC5HL



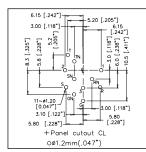
ACJC5V & ACJC5VL



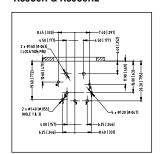
ACJC6H & ACJC6HL



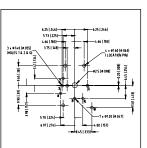
ACJC6V & ACJC6VL



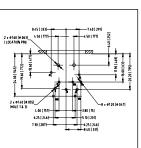
ACJC9H & ACJC9HL



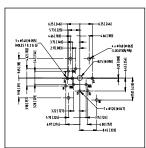
ACJC9V & ACJC9VL



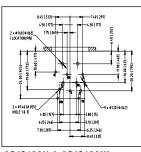
ACJC10H & ACJC10HL



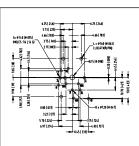
ACJC10V & ACJC10VL



ACJC6AH & ACJC6AHL



ACJC6AV2 & ACJC6AV2L

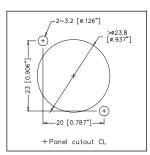


ACJC10AV2 & ACJC10AV2L

ACJC9AH & ACJC9AHL

ACJC9AV2 & ACJC9AV2L

ACJC10AH & ACJC10AHL



MIN MOUNTING PITCH

19.80 [.780]

022.0 | Ø 866|

03.2 | Ø 126|

PANEL CUT OUT

2 HOLES

PANEL CUT OUT 2 HOLES MIN MOUNTING PITCH

C TYPE PANEL CUTOUT C TYPE

C TYPE MOUNTING PITCH

C TYPE LOW PROFILE PANEL CUTOUT

C TYPE LOW PROFILE MOUNTING PITCH

STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VALUE				
		LOW PROFILE TYPE	STANDARD C TYPE			
GENERAL CHARACTERISTICS	Number of contacts	5, 6, 9 or 10				
CHANACIENISTICS	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	50	OV			
CHANACIENISTICS	Test Voltage AC RMS	150	00V			
	Current carrying capacity	7.	5A			
	Typical Contact Resistance	≤501	mΩ			
	Insulation Resistance (initial)	> 0.	5GΩ			
	Insulation Resistance (after damp heat test)	> 0.1	2GΩ			
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
CHARACIERISTICS	Operating Temperature	-25°C to +70°C				
MECHANICAL Characteristics	Weight**	9.2g (0.02lb)	14g (0.030lb)			
CHANACIENISTICS	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 Shell Finish	PA6.6 + 30% glass fibre reinforced, UL94HB	PA6.6 + 20% glass fibre reinforced, UL94HB Black			
	Insulators	PA6.6 glass fibre reinforced, UL94HB PA6.6 + 20% glass fibre reinfo				
	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.



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^{***}Refer to Page 137