#### 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

## **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.

### THERMOPLASTIC C TYPE SERIES



#### 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 [7.07] -20 [7	24 [945] 10.6 SCHEMATIC CHART  460 SUB  7 [276]	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] 27 [1.063] 27 [1.063] 27 [1.063] 27 [1.063] 29 [2] 10 [294]	SCHEMATIC CHART  SCHEMA	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] -20 [7.07]	24 [949] 10.6 SCHMAIN CHART  40.5 S (138") 40.5 S (2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
50	27 [1.065] 27 [1.	24 [.946"]  SOHEMATIC CHART  SOLUTION  SOLUTION  T [.276"]  T [.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 [1.0637] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077] -20 [7.077]	24 [945] 10.6 SCHMITC CHART  4.5 [1777] 4.5 SCHMITC CHART  4.5 [1777] 5.5 SCHMITC CHART  4.5 [1777] 7 [276*] 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, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
	27 [1.065] 27 [1.065] 27 [1.065] 27 [1.065] 27 [1.065] 27 [1.065] 27 [1.065] 28 [28] 28 [28] 10 [394]	24 [.940*]  SOHEMATIC CHART  45 [.177*]  SOHEMATIC CHART  AGC  NB  O 5 O 2 O 1 O 6	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
	20 (100)   100 (10	945"]   10.6   SCHEMATIC CHART   SCHEMATIC CHART	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
	(100) (100)	945"]— SCHEMATIC CHART  4CS  M.R  O S  O S  O C  O T  ([276"]—  ([	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6HL BULK
	20 (797)	9405]   10.6   SCHMARC CHART   360   SCHMARC	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] 20 [787] 35 [1085] 36 [2085] 37 [1085] 38 [2085] 39 [2085]	945"] SOHEMBIC CHART 35"] SOHEMBIC CHART 402 MR 0 3 0 3 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7	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 [2.057] -20 [2.057] -24 [ -25 [ -25 [] -26 [ -30 [] -30 []	9407   10.6   10.6   10.7   10.6   10.7   10.6   10.7   10.6   10.7   10.6   10.7   10	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] 20 [787] 20 [787] 10 [.394]	945"]  SGHEMATIC CHART  4609  SUB  O S  O S  O S  O T  (278")	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
16	27 [1.065] -20 [7.07] -20 [7.07] -24 [] -24 [] -25 [] -26 [] -27 [1.065] -27 [1.065] -28 [] -28 [] -29 [] -29 [] -20	SOCIMATIC CHART  400 3LB  100 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" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	20 (797)	SCHEMATIC.CHART  4605  3407  3	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 [787] 10 [.394]	3.5 [136] 10.6 SCHMIC CHARI  3.5 [136] 0.5 0.3 0.2 0.5 0.2 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
50	27 (1.065') 20 (787') 10 (394')	24 [945]  50 [136]  50 [136]  50 [136]  50 [136]  50 [136]  50 [136]  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 [1.083] 20 [787] 10 [.394]	24 [945]   10.6	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
SO.	27 (1.06.5) 20 (787) 10 (394) 10 (394)	24 [945]  45 [177]  SOEMATIC CHART  460	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
	27 [1063] 20 [707] (Push) (S 22) (S 22) (	24 [945] 10.6   AIT   SOCIMATIC CHART   AIX   O S	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] 10 [.394]	24 [945]  SOMEWARIC CHART  AGO  SU  O  O  O  O  O  O  O  O  O  O  O  O  O	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 [1.937] -20 [1.937] -20 [1.937] -20 [1.937] -20 [1.937] -20 [1.937]	3.5 [130] [417] SCHMARC CHART  3.5 [130] [417] SCHMARC CHART  400 N.2  0 S O 3  0 S O 2  0 S O 2  0 S O 2  0 S O 3  0 S O 3  0 S O 3  0 S O 3  0 S O 4  0 S O 5  0 S O 6  0 S O 7  0 S O 9  0 S	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
	27 [1.06.5] 20 [7.87] 10 [.394]	24 [345]  45 [177]  SOMMATIC CHART  AGE  10 0 5  0 2  0 5  0 2  0 5  0 2  0 5  0 0 2  0 5  0 0 0  0 0 0  0 0 0  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



#### THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	(Push)	24 [945] 10.6   (417)   SOMEWATIC CHART   A.5 [177]   AGG   SME   O.5	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
	27 (1065) 20 (787) 10 (394)	24 [945]  45 [177]  SOMEWATIC CHART  AGE  10 0 1  10 0	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



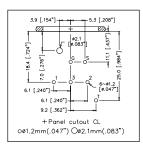
## PART NUMBER BREAKDOWN

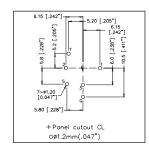
U. CONTROL OF THE PROPERTY OF AC SERIES THERMOPLASTIC C TYPE CONTACT OF TOMS COMMETTER THE AC **BULK** E. G. ACJC5HL BULK AC (Series Prefix), JC Jack/Connector XLR, 5 Mono, Horizontal Printed Circuit Board, Latchless, Bulk Packaged. **SERIES PREFIX** Series Prefix **CONNECTOR TYPE** JC Jack / Connector XLR **CONTACT OPTIONS** 5 Mono, Non Switching, XLR Grounded Stereo, Non Switching, 6 XLR Grounded 9 Stereo, Switching, XLR Grounded 10 Stereo, Switching, XLR with Ground Switch CONTACT ٧ Vertical Printed Circuit Board ORIENTATION Н Horizontal Printed Circuit Board S Solder Contacts LOCKING Blank Latching **MECHANISM** Latchless **PACKAGING** Blank Individual Bags = **BULK Bulk Packed** 

#### THERMOPLASTIC C TYPE SERIES

## **AC SERIES C TYPE SERIES**

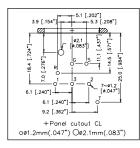
## ACJC5H ACJC5HL

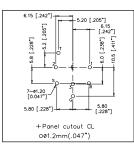




ACJC5V ACJC5VL

## ACJC6H ACJC6HL

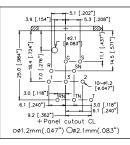


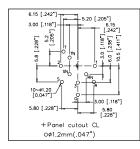


ACJC6V ACJC6VL



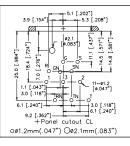
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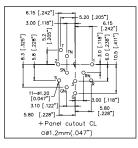




ACJC9V ACJC9VL

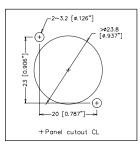
## ACJC10H ACJC10HL

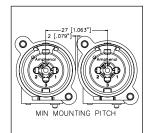




ACJC10V ACJC10VL

## 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		
CHANACTERISTICS	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)		
CHANACIENISTICS	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		

<sup>\*\*</sup>Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.