#### **AX Series XLR Cable Connectors**



# AX SERIES XLR CABLE CONNECTORS

The revolutionary AX series of XLR connectors introduce an exciting contemporary look and feel to the professional audio interconnect market. They are designed to complement modern audio architecture and truly "fit" within their environment. An impressive list of features guarantees pure sound performance in the most demanding applications providing unrivalled value.

#### **Features**

- Unique Australian designed shell and housing.
- One piece ground / latch spring design incorporating twin wipe contacts for a direct connection path from mating shell to ground providing enhanced connection and EMI performance.
- Ergonomic sleeve design for improved grip.
- Channel I.D capability with coloured sleeves.
- Oversized ergonomic latch for quick and easy mating.
- Leading first mate last break pin 1 on socket connectors.
- Chuck style cable clamp to suit 3mm 8mm (0.118" - 0.314") cable 0.D. with integrated split to allow inclusion after soldering.
- Concealed latching point for improved aesthetics, sealing and strength.
- Overmolded boot with flex bend relief for improved aesthetics, cable protection and boot retention.
- Concentric socket contact design provides optimal contact resistance
- · Precision machined pin contacts as standard.
- Compact solder buckets to reduce termination time and material wastage during the soldering process.
- Zinc diecast shell housing for robustness and wear with Satin nickel or Black finish.
- Available in 3,4 and 5 contact arrangements.

#### **Options**

- · Coloured I.D sleeves.
- · Satin nickel or Black shell finish.
- · Single or Bulk packaging.
- Gold plated contacts.

#### **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

- 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.

#### **AX Series XLR Cable Connectors**



- Unique Australian designed shell and housing.
- · Ergonomic stylish sleeve design for improved grip.
- Oversized latch lever preserves your thumb.
- Leading first mate last break pin 1 on socket connectors.
- Chuck style cable clamp to suit 3mm 8mm (0.118" 0.314") cable O.D. with integrated split to allow inclusion after soldering.
- · Overmolded cable support boot.
- New socket contact design for improved contact resistance.
- Precision machined pin contacts as standard.
- Compact solder buckets to reduce soldering time and wastage.
- Zinc diecast shell housing with Satin nickel or Matt black finish.
- · Available in 3,4 and 5 contact arrangements.

#### **Options:**

- · Coloured I.D sleeves.
- Satin nickel or Matt black shell finish.
- · Single or Bulk packaging.

Part Number Breakdown: Page 7

**Specifications: Page 10** 

Assembly Instructions: Page 8 & 9

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	019 [0.744"]	71 - 74 [2.80-2.90"]	XLR 3 pole male Machined contacts Nickel Finish	Standard	AX3M
	1] 6109	Amptend of the control of the contro		Bulk Pack	AX3M BULK
	E	71 - 74 [2.80-2.90*]	XLR 3 pole male Machined contacts	Standard	AX3MB
E COLO	Ø19 [0.744"]	Amphenol	Black Finish	Gold Plated Contacts	AX3MB-AU
				Bulk Pack	AX3MB BULK
e 15.8	8	73 - 75	XLR 3 pole female Stamped contacts Nickel Finish	Standard	AXX3F
	0 15			Bulk Pack	AXX3F BULK
	89:	73 -75	XLR 3 pole female Stamped contacts	Standard	AXX3FB
		Nickel Finish	Gold Plated Contacts	AXX3FB-AU	
				Bulk Pack	AXX3FB BULK

<sup>\*</sup>PI538 is available for download at www.amphenolaudio.com

#### **AX Series XLR Cable Connectors**

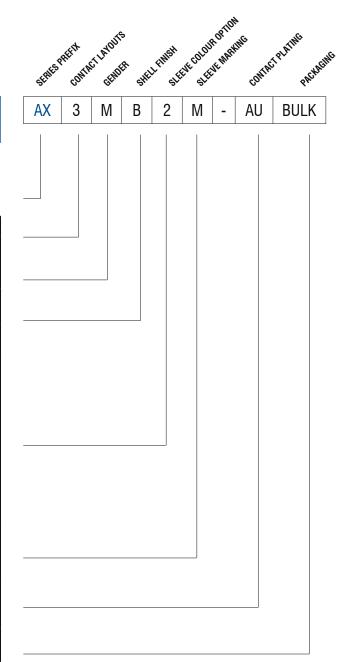
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	Ø19 [0.744"]	71 - 74 [2.80-2.90"]	XLR 4 pole male Machined contacts Nickel Finish	Standard	AX4M
	eta			Bulk Pack	AX4M BULK
	£ -	-71 - 74 [2.80-2.90"]	XLR 4 pole male Machined contacts	Standard	AX4MB
	019 [0.744"]		Black Finish	Gold Plated Contacts	AX4MB-AU
	6)16			Bulk Pack	AX4MB BULK
	Ø15.7 [0.618 <sup>-</sup> ]	71 - 74 [2.80-2.90"]	XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
				Bulk Pack	AX4F BULK
	[819]	71 - 74 [2.80-2.90"]	XLR 4 pole female Machined contacts	Standard	AX4FB
	71 - 74 [2.80-2.90"]		Black Finish	Gold Plated Contacts	AX4FB-AU
				Bulk Pack	AX4FB BULK
	019 [0.744 <sup>-</sup> ]	71 - 74 [2.80-2.90"]		Standard	AX5M
	Amphenol			Bulk Pack	AX5M BULK
	71 - 74 [2.80-2.90"]		XLR 5 pole male Machined contacts	Standard	AX5MB
9	019 JC 7447		Black Finish	Gold Plated Contacts	AX5MB-AU
	Ø			Bulk Pack	AX5MB BULK
	71 - 74 [2.80-2.90"]		XLR 5 pole female Machined contacts Nickel Finish	Standard	AX5F
				Bulk Pack	AX5F BULK
	.618.7	71 - 74 [2.80-2.90"]———	XLR 5 pole female Machined contacts	Standard	AX5FB
	71 - 74 [2.80-2.90"]		Black Finish	Gold Plated Contacts	AX5FB-AU
				Bulk Pack	AX5FB BULK

## PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

E. G . AX3MB2M-AU BULK
AX (Series Prefix), 3 contacts, Male, Black Finish,
2 (Red Sleeve) M (Sleeve Marking) - AU (Gold Plated Contacts), Bulk Packaged.

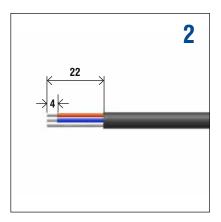
SERIES PREFIX	AX	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL FINISH	Blank	=	Nickel Plated Finish
	В	=	Black Finish
SLEEVE COLOUR	Blank	=	Black
OPTION	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
SLEEVE MARKING	Blank	=	Standard Sleeve
	0M	=	Marking Sleeve (Black)
	M	=	Marking Sleeve (Colour)
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin)
			(Refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



#### **AX Series XLR Cable Connectors**



Slide the nut (Backshell) onto the cable



Strip the cable



Push back the insert only enough to expose the solder buckets. It is not necessary to remove the insert. Solder the wires to the contacts.



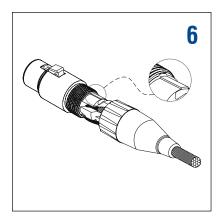
Install the cable clamp, flush to the insert making sure to align the top slot with the spring. Then push the insert & cable clamp together into the shell.



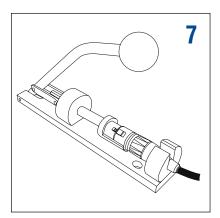
Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

## PI539 ASSEMBLY INSTRUCTIONS

AX SERIES FEMALE XLR CABLE CONNECTOR



Close the cable clamp slightly and push the boot over the clamp ensuring the wires fit inside the boot.

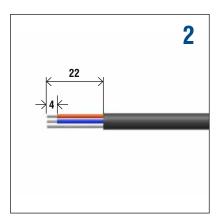


Final assembly can be achieved either by manually screwing the boot on, or by using an Amphenol Australia T2860 termination tool.

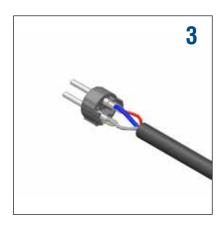
#### **AX Series XLR Cable Connectors**



Slide the nut (Backshell) onto the cable



Strip the cable



Solder the wires to the contacts.



Install the cable clamp flush to the insert making sure to align the slot with the ground contact.



Align the key of the insert with the keyway on the shell then push the pin insert & cable clamp together in the shell.

## PI538 ASSEMBLY INSTRUCTIONS

AX SERIES MALE XLR CABLE CONNECTOR



Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

## STANDARD DATA AX SERIES CABLE CONNECTORS

			VALUE			
GENERAL	Number of contacts	3	4	5		
CHARACTERISTICS	AX Series Contact Arrangements (Front view of pin inserts)	<b>( 1 1 1 1 1 1 1 1 1 1</b>	(a) 4(b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	2 3 4		
	Termination		SOLDER			
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG		
	Flammability rating of insulator plastics and housings		UL94V-0			
	Environmental	Complie	es with EU RoHS 2 Directive 201	11/65/EU		
ELECTRICAL Characteristics	Service Voltage RMS		133V 1)			
CHARACTERISTICS	Test Voltage AC RMS		1400V			
	Current carrying capacity: Solder	15A	10A	7.5A		
	Typicial Contact Resistance	≤3m Ω				
	Insulation Resistance		≥1G Ω			
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
CHANACIENISTICS	Operating Temperature	-25°C to +75°C (-13°F to -167°F)				
MECHANICAL	Insertion and Withdrawal force	≥10N - ≤30N				
CHARACTERISTICS	Weight <sup>2)</sup>	31g (0.068lb)	33g (0.073lb)	33g (0.073lb)		
	Typical Cable retention force	22Kg to 44Kg (50lb t	to 100lb) - Dependent on cable i	material and diameter.		
	Cable O.D. range		3mm to 8mm (0.118" to 0.314'	')		
	Mechanical Operations		1000 mating cycles			
MATERIALS	Connector shell - Metal Shell finish	Diecast Zinc Alloy Satin nickel or Black				
	Insulators		UL94V-0 PA66, 30% Glass Fille	d		
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Santoprene Black, other colours available - see page 80				
	Cable clamp	Noryl N190				
	Sleeve	Noryl N190				
	Male Contact Machined - Solder / Plating		Brass / Silver or Gold (Optional)	)		
	Female Contact Stamped - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional)				

<sup>1)</sup> Not suitable for domestic applications above 50V

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<sup>&</sup>lt;sup>2)</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.



# AC SERIES XLR CABLE CONNECTORS

Amphenol Australia have been manufacturing and designing innovative XLR connectors since 1955 The AC series cable connector range complies with IEC268-12 and AES 14-1992 standards.
CSA File Number 68598.

#### **Features**

- AC series XLR connectors feature the unique Australian design and patented "Jaws" cable retention system
- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- The "Jaws" cable retention system provides up to 44kg (100lb) of strain.
- The AC series connector can be quickly and easily assembled without screws – by hand or portable termination tool. (Part number T2860)
- Available in 3, 4, 5, 6A and 7 contact arrangements.
- · Compatible with all major XLR brands.

#### **Options**

- Solder Bucket termination
- · Thermoplastic shell
- · Zinc Diecast shell Satin Nickel Finish
- Zinc Diecast shell Black Polyester Finish
- · Gold, Silver or Tin Plated contacts
- · Bulk Style Packaging
- Single Bag packs
- Precision machined contacts
- Cost effective stamped contacts on 3 pole
- Standard Jaws cable clamp, Cable 0.D 3mm to 6.5mm (0.118" to 0.255")
- Large Jaws cable clamp, Cable O.D 6.5mm to 8mm (0.255" to 0.314")
- Metal Boots / Backshells
- Coloured Boots / Backshells
- · Coloured Identification rings
- Termination / Assembly tooling

#### **Jaws Cable Clamp Options**



Standard Jaws cable clamp (Black), Cable O.D 3mm to 6.5mm (0.118" to 0.255")



Large Jaws cable clamp (Purple), Cable 0.D 6.5mm to 8mm (0.255" to 0.314")

#### **Ordering Codes**

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#### **AC Series XLR Cable Connectors**



#### Features:

- · Zinc Diecast Shell.
- Solder Bucket connections.
- "Jaws" Cable Retention System.
  Contact layouts in 3, 4, 5, 6A and 7.
- · Precision machined or Stamped contacts.
- Leading first mate last break socket contact.
   Quick and easy assembly without screws by hand or portable termination tool. (Part number T2860.)

**Options:** Stamped Contacts (3 contact only), Gold plated contacts, Large or Small Jaws Cable Clamp, Black Finish Shell, Bulk Pack, Coloured Boots / Backshells

Part Number Breakdown: Page 15

**Specifications: Page 17** 

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	82.0 [3.228*]		XLR 3 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC3MM
8	Ø19.0 [0.748*]	Name of the last o	Jaws cable clamp	Bulk Pack	AC3MM BULK
	<b>V</b>	—82.0 [3.228″]——□	XLR 3 pole male, Machined contacts,	Standard	AC3MMB
	Ø19.0 [0.748*]		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC3MMB-AU
	¥			Bulk Pack	AC3MMB BULK
	82.0 [3.228"]		XLR 3 pole male, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3M
	Ø19.0 [0.748*]		Jaws cable clamp	Large Cable Clamp	AC3MJ
				Bulk Pack	AC3M BULK
	82.0 [3.228*] Ø19.0 [0.748*]	XLR 3 pole male, Stamped contacts,	Standard	AC3MB	
			Black Finish, Jaws cable clamp	Gold Plated Contacts	AC3MB-AU
			Jaws cabic clamp	Large Cable Clamp	AC3MBJ
				Bulk Pack	AC3MB BULK
	82.0 [3.228"]	XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3F	
	Ø19.0 [.748"]		Jaws Cable Claffip	Large Cable Clamp	AC3FJ
	V			Bulk Pack	AC3F BULK
		—82.0 [3.228″]——⊶	XLR 3 pole female, Stamped contacts,	Standard	AC3FB
	Ø19.0 [.748"]		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC3FB-AU
		Cano cable clarity	Large Cable Clamp	AC3FBJ	
	1 4			Bulk Pack	AC3FB BULK

#### **AC Series XLR Cable Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	82.0 [3.228"]		XLR 4 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4M
	ø19.0 [0.748″]		Jaws Cable Claffip	Large Cable Clamp	AC4MJ
	<u> </u>			Bulk Pack	AC4M BULK
	1-	—82.0 [3.228″]—— <del>□</del>	XLR 4 pole male, Machined contacts,	Standard	AC4MB
	<u> </u>		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC4MB-AU
	ø19.0 [0.748″]		Jaws Cable Claffip	Large Cable Clamp	AC4MBJ
	<u> </u>			Bulk Pack	AC4MB BULK
		—82.0 [3.228*]———————————————————————————————————	XLR 4 pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4F
	Ø19.0 [.748"]		Jaws Cable Claffip	Large Cable Clamp	AC4FJ
				Bulk Pack	AC4F BULK
•	82.0 Ø19.0 [.748*]	32.0 [3.228″]————	XLR 4 pole female, Machined contacts,	Standard	AC4FB
			Black Finish, Jaws cable clamp	Gold Plated Contacts	AC4FB-AU
				Large Cable Clamp	AC4FBJ
25				Bulk Pack	AC4FB BULK
	82.0 [3.228"] Ø[9.0 [0.748"]	—82.0 [3.228*]	XLR 5 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5M
		Jaws Cable Claffip	Large Cable Clamp	AC5MJ	
				Bulk Pack	AC5M BULK
	ln.	—82.0 [3.228″]—— <del>□</del>	XLR 5 pole male, Machined contacts,	Standard	AC5MB
	<u></u> Γ		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC5MB-AU
	Ø1 <sup>5</sup> .0 [0.748″] 0		Jaws Cable Claffip	Large Cable Clamp	AC5MBJ
	<u> </u>			Bulk Pack	AC5MB BULK
		—82.0 [3.228*]———————————————————————————————————	XLR 5 pole female, Machined contacts, Nickel Finish,	Standard	AC5F
	ø19.0 [.748*]		Jaws cable clamp	Large Cable Clamp	AC5FJ
				Bulk Pack	AC5F BULK
	ks	—821 [3228#1——⇒	XLR 5 pole female, Machined contacts,	Standard	AC5FB
	82.0 [3.228"]		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC5FB-AU
	ø19.0 [.748″]		Jaws Capie Clattip	Large Cable Clamp	AC5FBJ
				Bulk Pack	AC5FB BULK

#### **AC Series XLR Cable Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	82.0 [3.228*]		XLR 6A pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AM
	ø19.0 [0.748″]		Jawa Cabic Clamp	Large Cable Clamp	AC6AMJ
	<u> </u>			Bulk Pack	AC6AM BULK
	-	—82.0 [3.228″]——⊶	XLR 6A pole male, Machined contacts,	Standard	AC6AMB
		02.0 [3.220]	Black Finish, Jaws cable clamp	Gold Plated Contacts	AC6AMB-AU
	ø19.0 [0.748″]	У В В В В В В В В В В В В В В В В В В В	Jaws Cable Claffip	Large Cable Clamp	AC6AMBJ
	<u>V</u>			Bulk Pack	AC6AMB BULK
		—82.0 [3.228*]———————————————————————————————————	XLR 6A pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AF
	ø19.0 [.748"]	T WE HEROT	Jaws cable clamp	Large Cable Clamp	AC6AFJ
				Bulk Pack	AC6AF BULK
		02.0.12.220#1	XLR 6A pole female,	Standard	AC6AFB
	ø19.0 [.748*]	82.0 [3.228*]	Machined contacts, Black Finish, Jaws cable clamp	Gold Plated Contacts	AC6AFB-AU
				Large Cable Clamp	AC6AFBJ
				Bulk Pack	AC6AFB BULK
	82.0 [3.228*] ø[9.0	—82.0 [3.228*]—— <del>~</del>	XLR 7 pole male, Gold plated Machined contacts,	Standard	AC7M
			Nickel Finish, Jaws cable clamp	Laura Oakla Olana	A O 7 M I
	[0.748″] U		Jaws Cable Clamp	Large Cable Clamp	AC7MJ
			XLR 7 pole male,	Bulk Pack	AC7M BULK
	82.0 [3.228*]		Gold plated Machined contacts,	Standard	AC7MB
	ø19.0 [0.748″]		Black Finish, Jaws cable clamp	Large Cable Clamp	AC7MBJ
•	<u>▼</u>			Bulk Pack	AC7MB BULK
		—82.0 [3.228″]—— <del></del>	XLR 7 pole female, Gold plated	Standard	AC7F
		02.0 [3.220]	Machined contacts, Nickel Finish,		
	ø19.0 [.748"]		Jaws cable clamp	Large Cable Clamp	AC7FJ
		-3		Bulk Pack	AC7F BULK
	L-	820 [3 220#]~	XLR 7 pole female, Gold plated	Standard	AC7FB
	## 82.0 [3.228*] ## 919.0 ## 19.0 ## 17.48*]		Machined contacts,		
			Black Finish, Jaws cable clamp	Large Cable Clamp	AC7FBJ
				Bulk Pack	AC7FB BULK

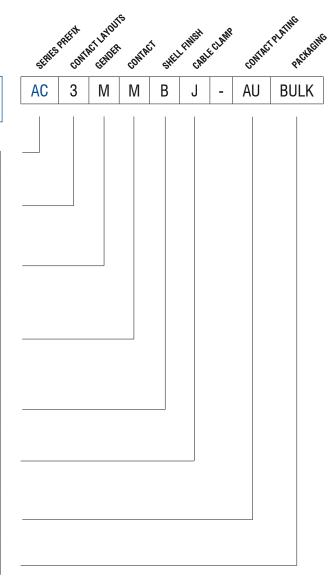
## PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

E. G. AC3MMBJ-AU BULK

AC (Series Prefix), 3 contacts, Male, Machined Contacts, Black Polyester Finish, J (Large Jaws),- AU (Gold Plated Contacts), Bulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
	7	=	7 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
CONTACT <sup>1</sup>	Blank	=	Stamped Contacts
	M	=	Machined Contacts
	G	=	Stamped Contacts, Ground Tag
	MG	=	Machined Contacts, Ground Tag
			(Applicable 3 male pin contacts, option M & MG only)
SHELL FINISH <sup>2</sup>	Blank	=	Nickel Plated Finish
	В	=	Black Polyester Finish
CABLE CLAMP	Blank	=	Standard Jaws 3mm - 6.5mm
			cable O.D. (0.118" to 0.255")
	J	=	Large Jaws 6.5mm - 8mm cable O.D. (0.255" to 0.314")
CONTACT DI ATINO	Dlonk		
CONTACT PLATING <sup>3</sup>	Blank	=	Standard Plating (Silver or Tin) (Refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank		Individual Bags
I AUKAGINU			<b>o</b>
	BULK	=	Bulk Packed



#### Note:

<sup>&</sup>lt;sup>1</sup>4 - 7 contact connectors have machined contacts and grounding as standard.

 $<sup>^{\</sup>rm 2}$  Ground contacts are not supplied with the black polyester finish shell option.

 $<sup>^{\</sup>rm 3}$  7 Contact is gold plated as standard.

<sup>&</sup>lt;sup>4</sup> All AC Series Connectors are available with optional colour coded boot / backshell. Refer to page 154 and simply add colour to end of part number. Example: AC3MM - RED

#### **AC Series XLR Cable Connectors**



#### Features:

- · Thermoplastic Shell.
- Solder Bucket Connections.
- "Jaws" Cable Retention System.
- Stamped or Machined Contacts.
- Leading first mate last break socket contact.
- Quick and easy assembly without screws by hand or portable termination tool. (Part number T2860.)

**Options:** Gold Plated Contacts, Stamped Contacts (3 Contact only), Bulk Pack, Coloured Boots / Backshells 3, 4, 5, 6A and 7 Contacts.

**Specifications: Page 17** 

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	ø19.0 [0.748*]	-82.0 [3.228*]	XLR 3 pole male, Machined contacts, Thermoplastic shell, Jaws cable clamp	Standard  Bulk Pack	AC3MMCP BULK
		—82.0 [3.228*]————	XLR 3 pole male, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MCP
	Ø19.0 [0.748*]	YANGHEIDOO	W D O and found	Bulk Pack	AC3MCP BULK
		—82.0 [3.228']———	XLR 3 pole female, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3FCP
	Ø19.0 [0.748"]	TOMENIAMY		Bulk Pack	AC3FCP BULK

Note: Thermoplastic shell connectors are also available in 4 - 7 contact arrangements, please contact us for ordering code.

## STANDARD DATA AC CABLE CONNECTORS

					VALUE			
GENERAL	Number of contacts		3	4	5	6A	7	
CHARACTERISTICS	AC Series Contact A (Front view of pin in			(a) 4 (a) 6 (b) 4 (c) 6 (d) 7 (d) 7	1 5 6 8 3 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 6 5 2 3 4	1 7 6 2 3 4 5	
	Termination				SOLDER			
	Max. Wire Gauge - S	Stranded wire: Solder	14AWG	16AWG	18/	AWG	20AWG	
	Flammability rating (insu	ator plastics & housings)			UL94V-0			
	Environmental			Complies with	EU RoHS 2 Directi	ve 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RM	S			133V <sup>1</sup>			
CHANACIENISTICS	Test Voltage AC RM	S			1400V			
	Current carrying ca	pacity: Solder	15A	10A	7.	5A	5A	
	Typical Contact Res	istance			≤3mΩ			
	Insulation Resistant	ce			≥1GΩ			
CLIMATIC Characteristics	Protection Class				IP40			
	Operating Temperat	ure 		-25°C to +75°C (-13°F to +167°F)				
MECHANICAL Characteristics	Insertion and Withdrawal force		≥10N - ≤30N					
UNANAUTENISTIUS	Weight - Metal <sup>2</sup>		36g (0.080lb)	37g (0.081lb)	38g (0.083lb)			
	Weight - Thermopla	stic <sup>2</sup>	18g 19g 20g (0.039lb) (0.041lb) (0.044lb)					
	Typical Cable retent	ion force	22Kg to	44Kg (50lb to 100l	b) - Dependent on	cable material and	diameter.	
	Cable O.D. range - JAWS clamp	Standard Large			6.5mm (0.118" to to 8mm ( 0.255" to			
	Mechanical Operation	ons			1000 mating cycle	S		
MATERIALS	Connector shell - M Shell finish	etal	Diecast Zinc Alloy Satin nickel or Bla					
	Connector shell - TI Shell finish	nermoplastic	Thermoplastic, U Black	L94V-0 Modified P	PE Resin			
	Insulators		UL94V-0 PBT Re	sin or Modified PPE	Resin			
	Boot / Backshell		UL94V-0 Modifie	d PPE Resin or Ma	chined Brass			
	Finish	T	Black, other colours available - see page 154					
	Cable clamp (JAWS)	Standard Solder Large Solder	UL94V-0 Modified PPO Resin (Black) UL94V-0 Modified PPO Resin (Purple)					
	Cable Bushing		Santoprene					
	Male Contact (Solder / Plating)	Stamped Machined	Phosphor Bronze Brass / Silver or (	/ Silver or Gold (O Gold (Optional)	ptional)			
	Female Contact (Solder / Plating)	Stamped Machined	Phosphor Bronze Brass / Silver or (	/ Tin or Gold (Optional)	onal)			

<sup>&</sup>lt;sup>1)</sup> Not suitable for domestic applications above 50V <sup>2)</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

#### **AC/AX Series XLR Metal Chassis Mount Connectors**



# AC/AX SERIES XLR METAL CHASSIS MOUNT CONNECTORS

The metal chassis mount connectors are designed for the audio user where durability, reliability and strength across a wide range of applications are important. All products are manufactured to the highest quality standards and will withstand the harshest environments. This range complies with IEC268-12 and AES 14-1992 standards. CSA File Number 68598

#### **Features**

- The "D" size housing can be either front or rear mounted using the same panel cutout.
- The "P" size housing is the original wide flange front mounting XLR connector. "PN" is the original narrow flange front mounting male connector.
- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- · Solder cup or Vertical PCB versions.
- Connectors are fitted with a grounding system for RFI shielding applications.
- Available in 3, 4, 5, 6A and 7 contact arrangements.
- · Compatible with all other XLR brands.

#### **Options**

- Solder Bucket termination
- Vertical PCB contacts
- · Zinc Diecast Shell Satin Nickel Finish
- · Zinc Diecast Shell Black Polyester Finish
- · Gold, Silver or Tin Plated Contacts
- · Bulk Packaging
- Single Bag packs
- Precision machined contacts
- Cost effective stamped contacts on 3 pole
- Latchless versions (Non-Latching) (Female only)

**Note:** A ground tag is standard on all AC "Z" series connectors. Although the ground tag is intended for RFI shielding applications, Amphenol cannot guarantee its effectiveness in all cases.

The non-conductive Black polyester finish insulates the ground tag from the shell and should not be used in applications requiring ground contact to the shell.

#### **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.

#### **AC/AX Series XLR Metal Chassis Mount Connectors**



#### Features:

- Zinc Diecast Shell.
- D size housing can be front or rear mounted using the same panel cutout.
- Solder Bucket connections.
- · Vertical PCB mounting.
- Precision machined or Stamped contacts (3 pin only).
- Leading first mate last break socket contact.
- Positive latch lock system.
- M3 threaded holes (Optional).

**Options:** Stamped contacts (3 contact only), Gold plated contacts, Vertical PCB contacts, Black finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: Page 22

**Specifications: Page 28** 

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
		XLR 3 pole male, D Flange,	Standard	AX3MD
		Machined contacts, Nickel Finish	M3 Threaded Holes	AX3MD-M3
			Vertical PCB	AX3MDV
	-26.0 [1.024]3.0 [0.118]3.1 [1.222]3.0 [0.118]		M3 Threaded Holes	AX3MDV-M3
	1.220 1.2200 1.2	XLR 3 pole male, D Flange,	Standard	AX3MDB
	31.0 [1.220] 31.0 [1.220] 31.0 [1.220] 31.0 [0.345] 31.0 [0.843]	Machined contacts, Black Finish	M3 Threaded Holes	AX3MDB-M3
	9.5 SOLDER CONTACTS PCB CONTACTS 24.45 [0.963]		Gold Plated Contacts	AX3MDB-AU
			Vertical PCB	AX3MDVB
			M3 Threaded Holes	AX3MDVB-M3
		XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AX3FD
	26.0 [1.024] — 6.3 [0.248] — 30.5 [1.200] — 2.5 [0.098] — 2.5 [0.098]		M3 Threaded Holes	AX3FD-M3
(ausH)		XLR 3 pole female,	Standard	AX3FDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.45 [0.963]	D Flange, Stamped contacts, Black Finish	M3 Threaded Holes	AX3FDB-M3
C.			Gold Plated Contacts	AX3FDB-AU

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
0		XLR 4 pole male, D Flange,	Standard	AX4MD
		Machined contacts, Nickel Finish	M3 Threaded Holes	AX4MD-M3
3			Vertical PCB	AX4MDV
	-2.5 [0.098]3.0 [0.118]		M3 Threaded Holes	AX4MDV-M3
	21.4 [0.843]	XLR 4 pole male, D Flange, Machined contacts, Black Finish	Standard	AX4MDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.45 [0.963] - 25.45 [1.002] - 24.45 [0.963]		Gold Plated Contacts	AX4MDB-AU
			Vertical PCB	AX4MDVB
-653		XLR 4 pole female,	Standard	AX4FD
		D Flange, Machined contacts, Nickel Finish	M3 Threaded Holes	AX4FD-M3
			Vertical PCB	AX4FDV
	-26.0 [1.024]30.5 [1.200]2.0 [0.079] - 2.5 [0.098]		M3 Threaded Holes	AX4FDV-M3
FUES	22.9 [0.901]	XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AX4FDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.50 [0.965]		Gold Plated Contacts	AX4FDB-AU
			Vertical PCB	AX4FDVB
		XLR 5 pole male, D Flange,	Standard	AX5MD
		Machined contacts, Nickel Finish	M3 Threaded Holes	AX5MD-M3
3 (3.5.)			Vertical PCB	AX5MDV
	-3.0 [0.118] -26.0 [1.024] -2.5 [0.098] -3.0 [0.118]		M3 Threaded Holes	AX5MDV-M3
	21.4 [0.843]	XLR 5 pole male, D Flange, Machined contacts, Black Finish	Standard	AX5MDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.45 [0.963]		Gold Plated Contacts	AX5MDB-AU
			Vertical PCB	AX5MDVB

#### **AC/AX Series XLR Metal Chassis Mount Connectors**

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
	26.0 [1.024]  -26.0 [1.024]  -26.0 [0.079]  -2.0 [0.079]  -2.5 [0.098]  -2.5 [0.098]  -2.5 [0.098]  -2.6 [0.074]  -2.6 [0.074]  -2.7 [0.098]  -2.7 [0.098]  -2.8 [0.074]  -2.9 [0.074]  -2.0 [0.079]  -2.5 [0.098]	XLR 5 pole female, D Flange, Machined contacts, Nickel Finish  XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard M3 Threaded Holes  Vertical PCB M3 Threaded Holes  Standard  Gold Plated Contacts  Vertical PCB	AX5FD AX5FDV AX5FDV-M3 AX4FDB AX4FDB-AU AX4FDVB
	26.0 [1.024]  -26.0 [1.024]  -25. [0.098]  -3.0 [0.118]  -	XLR 6A pole male, D Flange, Machined contacts, Nickel Finish  XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard M3 Threaded Holes Vertical PCB M3 Threaded Holes Standard Gold Plated Contacts Vertical PCB	AX6AMD AX6AMDV AX6AMDV-M3 AX6AMDV-M3 AX6AMDB AX6AMDB-AU AX6AMDVB
	26.0 [1.024]  -26.0 [0.079]  -2.0 [0.079]  -2.5 [0.098]  -2.5 [0.098]  -2.5 [0.098]  -2.6 [0.374]  -2.6 [0.374]  -2.6 [0.374]  -2.7 [0.098]  -2.8 [0.098]	XLR 6A pole female, D Flange, Machined contacts, Nickel Finish  XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard M3 Threaded Holes  Vertical PCB M3 Threaded Holes  Standard  Gold Plated Contacts  Vertical PCB	AX6AFDV AX6AFDV-M3 AX6AFDV-M3 AX6AFDB AX6FADB-AU AX6AFDVB

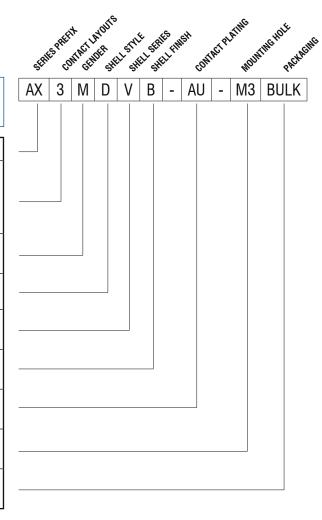
## PART NUMBER BREAKDOWN

#### METAL TYPE FLANGE

E. G. AX3MDVB-AU-M3 BULK

AX (Series Prefix), 3 contacts, Male, D Small Flange, Vertical PCB Contact, Black Polyester Finish, - AU (Gold Plated Contacts), - M3 Mounted Holes, BULK Packaged.

SERIES PREFIX	AX	=	Series Prefix
	3	=	3 Contacts 4 Contacts
CONTACT LAYOUTS		=	
	5	=	5 Contacts
	6A	=	6 Contacts
GENDER	F	=	Female Socket Contacts
GENDEN	M	=	Male Pin Contacts
SHELL STYLE	D	=	Small Flange
STILLE STILL			(front or rear mounting)
SHELL SERIES	Blank	=	Solder Bucket
SHELL SENIES	V	=	Vertical PCB Contact
SHELL FINISH <sup>1</sup>	Blank	=	Nickel Plated Finish
SHELL FINISH	В	=	Black Polyester Finish
CONTACT PLATING2	Blank	=	Standard Plating
CUNTACT PLATING	AU	=	Gold Plated
MOUNTING HOLES	Blank	=	Through Holes
MOUNTING HOLES	M3	=	M3 Threaded Holes
DACKACING	Blank	=	Individual Bags
PACKAGING	BULK	=	Bulk Packed

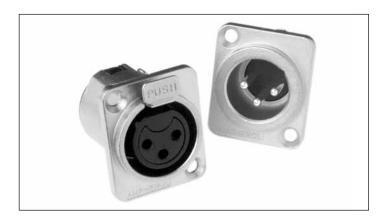


#### Note

<sup>&</sup>lt;sup>1</sup> Ground contacts are not supplied with the black polyester finish shell option.

 $<sup>^{\</sup>rm 3}$  Non-Latching Versions (Female) available - Please contact us for part number options.

#### **AC/AX Series XLR Metal Chassis Mount Connectors**



#### Features:

- Zinc Diecast Shell.
- D size housing can be front or rear mounted using the same panel cutout.
- Solder Bucket connections.
  Precision machined or Stamped contacts (3 pin only).
- · Leading first mate last break socket contact.
- Positive latch lock system.

Options: Stamped contacts (3 contact only), Gold plated contacts,

Black finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: Page 27

**Specifications: Page 28 PCB Footprints: Page 29** Panel Cutouts: Page 29

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19.0 [ [.748"]	<del>-&gt;   </del> 2.7 [.106"]	XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC3MMDZ
	24.0 [.945"] 31.0 [1.220"]			Bulk Pack	AC3MMDZ BULK
9	AMPHEROL #	SOLDER CONTACTS  5.5 [.217"]	XLR 3 pole male, D Flange, Machined contacts, Black Finish	Standard	AC3MMDZB
0	ام 26.0 [1.024*] ما	- 32.1 [1.263"]	Didok Tillion	Gold Plated Contacts	AC3MMDZB-AU
	19.0	<del>-&gt;+ + 2</del> .7 [.106"]	XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ
	24.0 [.945"]			Bulk Pack	AC3MDZ BULK
9	APPEN	SOLDER CONTACTS  5.5 [.217"]	XLR 3 pole male, D Flange, Stamped contacts, Black Finish	Standard	AC3MDZB
	ام- 26.0 [1.024"] ما	32.1 [1.263 <sup>*</sup> ]	Diack Tillion	Gold Plated Contacts	AC3MDZB-AU
C famil	+- 26.0 [1.024"]-+	<del> * * </del> 6.5 [.256"]	XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZ
	PUSH		NICKCI I IIISII	Bulk Pack	AC3FDZ BULK
Q and	19.0	SOLDER CONTACTS 5.5 [.217"]	XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Standard	AC3FDZB
	19.0 [.748"]	33.5 [1.319"]——	Diagn Finish	Gold Plated Contacts	AC3FDZB-AU

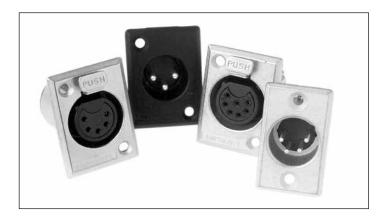
#### **AC/AX Series XLR Metal Chassis Mount Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
\$ A.	19.0	<del></del>	XLR 4 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC4MDZ
	7.48"] 4 1.49"] 1.25"] 0.15"]			Bulk Pack	AC4MDZ BULK
(V)	AMPHENOL	SOLDER CONTACTS 5.5 [.217"]	XLR 4 pole male, D Flange, Machined contacts, Black Finish	Standard	AC4MDZB
	l→ 26.0 [1.024"]→	امــــــــــــــــــــــــــــــــــــ		Gold Plated Contacts	AC4MDZB-AU
(F) (1)	p-26.0 [1.024"]-→	6.5 [.256"]	XLR 4 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC4FDZ
	24.0 [.945"]—			Bulk Pack	AC4FDZ BULK
C C	AMPHENOL T	SOLDER CONTACTS 5.5 [.217"]	XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AC4FDZB
	19.0 [.748"]—	32.0 [1.260"]		Gold Plated Contacts	AC4FDZB-AU
	19.0  ~ [.748"]~~	<del></del>	XLR 5 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC5MDZ
·	45"]-	2.7 [.100]	TWO IS THE STATE OF THE STATE O	Bulk Pack	AC5MDZ BULK
6	4 4 5 4 6 5 9 6 5 1 0 1 0 1 2 1 0 1 1 1 1 1 1 1 1 1 1 1 1	solder contacts	XLR 5 pole male, D Flange, Machined contacts, Black Finish	Standard	AC5MDZB
	l⇒ 26.0 [1.024"]-⇒l	→ 32.1 [1.263"] — →	Statistical	Gold Plated Contacts	AC5MDZB-AU
E Coall	~ 26.0 [1.024"]-~	<del>6.5</del> [.256"]	XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC5FDZ
	HSN [1.220°]			Bulk Pack	AC5FDZ BULK
G (123)		SOLDER CONTACTS	XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AC5FDZB
	19.0 [.748"]—	31.1 [1.224"]	Sidok i illion	Gold Plated Contacts	AC5FDZB-AU

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PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
TO THE REAL PROPERTY OF THE PR	19.0	XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC6AMDZ	
	24.0 [.945] 31.0 [1.220°]	2.7 [.106"]		Bulk Pack	AC6AMDZ BULK
9	26.0 [1.024"]	SOLDER CONTACTS 5.5 [.217"]	XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AC6AMDZB
	№-25.0 [1.024 ]- <del></del>	المســــــــــــــــــــــــــــــــــــ		Gold Plated Contacts	AC6AMDZB-AU
0 (1)	p= 26.0 [1.024"]->	<del> 6</del> .5 [.256"]	XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC6AFDZ
	24.0 [.945"] <b>HSG</b>		NICKET FINISH	Bulk Pack	AC6AFDZ BULK
C CO	4.0 (1.0 m)	SOLDER CONTACTS	XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard	AC6AFDZB
	19.0 [.748"]——	31.1 [1.224"]——	DIACK FILIISTI	Gold Plated Contacts	AC6AFDZB-AU
			XLR 7 pole male, D Flange,	Standard	AC7MDZ
	19.0		Gold Plated Machined contacts, Nickel Finish	Vertical PCB	AC7MDZV
	19.0 [.748*] - 2.7 [.10	06"] 5.5 [.217"]		Bulk Pack	AC7MDZ BULK
E S	30.DER 50.DER 50.5 [3.32.1 [1		XLR 7 pole male, D Flange, Gold Plated Machined contacts,	Standard	AC7MDZB
			Black Finish	Vertical PCB	AC7MDZVB
Captel			XLR 7 pole female, D Flange,	Standard	AC7FDZ
	F-26.0 [1.024*]-q F-q-6.5 [.2	56"] <del></del>	Gold Plated Machined contacts, Nickel Finish	Vertical PCB	AC7FDZV
	31.0 [1.220] - H80A			Bulk Pack	AC7FDZ BULK
6	SOLDER	PCB CONTACTS PCB CONTACTS 22.0 [.866"]	XLR 7 pole female, D Flange, Gold Plated Machined contacts,	Standard	AC7FDZB
			Black Finish	Vertical PCB	AC7FDZVB

#### **AC/AX Series XLR Metal Chassis Mount Connectors**



#### Features:

- Zinc Diecast shell.
- The P size housing is the original wide flange front mounting XLR connector. PN is the original narrow, front mounting male connector.
- Solder Bucket connections.
- Precision Machined or Stamped contacts (3 pin only).
- Leading first mate last break socket contact.
- · Positive latch lock system.

**Options:** Stamped contacts (3 contact only), Gold plated contacts, Black Finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: Page 22 Specifications: Page 28 PCB Footprints: Page 29 Panel Cutouts: Page 29

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	POLES	PART NUMBER
	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	2.4 [.094"]  SOLDER CONTACTS  32.1 [1.266"]	XLR male, Narrow flange, Machined contacts	3	AC3MMPNZ
			XLR male, Narrow flange,	3	AC3MPNZ
	[1.063"]		Stamped contacts,	4	AC4MPNZ
	27.0 [1.063"].	·		5	AC5MPNZ
6		SOLDER CONTACTS		6	AC6AMPNZ
	~22.2 [.874"]~	32.1 [1.265"]		7	AC7MPNZ
	27.2 [1.070"]	SOLDER CONTACTS  31.5 [1.238"]	XLR male, Wide flange, Machined contacts	3	AC3MMP
	27.2 [1.070"]	2.4 [.094"]	XLR male, Wide flange,	3	AC3MP
(E)	(1.039") = [1.445"] =		Stamped contacts	4	AC4MP
	26.4 [1.7]			5	AC5MP
2	AMPHENOL (1)	SOLDER CONTACTS		6	AC6AMP
Name of the last o	16.7 [.656"]	32.5 [1.278"]——		7	AC7MP
	27.2 [1.070"]	3.5 [.138"]	XLR female, Wide flange,	3	AC3FPZ
Push	1.1.467.1		Stamped contacts	4	AC4FPZ
(6.9)	86.4 [1:4			5	AC5FPZ
	AMPHENOL (1)	SOLDER CONTACTS		6	AC6AFPZ
	16.7 [.656"] - 2.5 [.098"] - 31.0 [1.220"] -			7	AC7FPZ

<sup>\*</sup>Black finish available on special request please contact factory.

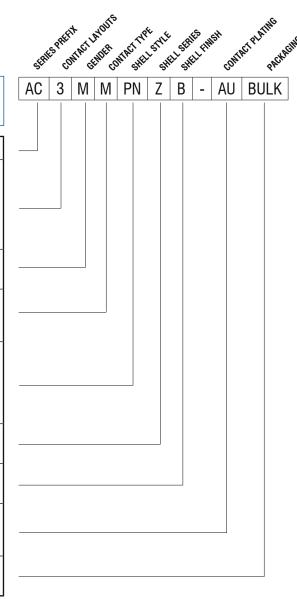
## PART NUMBER BREAKDOWN

#### METAL TYPE FLANGE

#### E. G. AC3MMPNZVB-AU BULK

AC (Series Prefix), 3 contacts, Male, Machined Contacts, PN (Narrow Flange), Z (Metal Chassis Series), Black Polyester Finish, - AU (Gold Plated Contacts), Bulk Packaged.

SERIES PREFIX	AC	=	Series Prefix		
	3	=	3 Contacts		
	4	=	4 Contacts		
CONTACT LAYOUTS	5	=	5 Contacts		
	6A	=	6 Contacts		
	7	=	7 Contacts		
GENDER	F	=	Female Socket Contacts		
GENDEN	M	=	Male Pin Contacts		
MACHINED	Blank	=	Stamped Contacts		
CONTACTS1	M	=	Machined Contacts		
OUNTACTO		(Applicable 3 male pin contacts only)			
	D	=	Small Flange		
			(front or rear mounting)		
SHELL STYLE	Р	=	Large Shell with Wide Flange		
	PN	=	Large Shell with Narrow Flange (male only)		
SHELL SERIES	Blank	=	Male P Shell Style Only		
	Z	=	Metal Chassis Series		
SHELL FINISH <sup>2</sup>	Blank	=	Nickel Plated Finish		
SHELL FINISH	В	=	Black Polyester Finish		
	Blank	=	Standard Plating		
CONTACT PLATING <sup>3</sup>			(Silver or Tin - refer to Standard Data)		
	AU	=	Gold Plated		
DAOKAOINO	Blank	=	Individual Bags		
PACKAGING	BULK	=	Bulk Packed		



<sup>&</sup>lt;sup>1</sup>4 - 7 contact connectors have machined contacts and grounding as standard. They are not available in stamped contacts.

 $<sup>^{\</sup>rm 2}$  Ground contacts are not supplied with the black polyester finish shell option.

<sup>&</sup>lt;sup>3</sup> 7 Contact is gold plated as standard.

<sup>&</sup>lt;sup>4</sup> Non-Latching Versions (Female) available - Please contact us for part number options.

## STANDARD DATA AC / AX SERIES CHASSIS - METAL "Z"

				VALUE			
GENERAL	Number of contacts	3	4	5	6A	7	
CHARACTERISTICS	Contact Arrangement (Front view of pin inserts)	1 e	(a) 4 (b) 4 (c) 4 (d) 4	1 5 6 2 3 4 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	01 6 5 02 3 4	1 7 6 2 3 5 3 4	
	Termination		Solder Buck	et / Printed Circuit	Board (PCB)		
	Max. Wire Gauge - Stranded wire: Solder Printed Circuit Board - PCB	14AWG N/A	16AWG N/A	18AWG N/A	18AWG N/A	20AWG N/A	
	Flammability rating of plastics			UL94V-0			
	Environmental		Complies with	EU RoHS 2 Directi	ve 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS			133V <sup>1)</sup>			
CHARACIERISTICS	Test Voltage AC RMS			1400V			
	Current carrying capacity: Solder Printed Circuit Board (PCB)	15A 15A	10A 10A	7.5A 7.5A	7.5A 7.5A	5A 5A	
	Typical Contact Resistance	≤3mΩ					
	Insulation Resistance			≥1000MΩ			
CLIMATIC Characteristics	Protection Class			IP40			
	Operating Temperature		-25°C to	+75°C (-13°F to	+167°F)	T	
MECHANICAL Characteristics	Weight - Metal <sup>2)</sup>	<b>31</b> g	32g	<b>33</b> g	<b>33</b> g	33g	
		(0.068lb)	(0.070lb)	(0.072lb)	(0.072lb)	(0.072lb)	
	Mechanical Operations			1000 mating cycle	es .		
MATERIALS	Connector Shell			Diecast Zinc Alloy	1		
	Shell Finish		Satin	Nickel or Black Po	lyester		
	Insulators		PAG	66 30% Glass Filled	Resin		
	Male Contact						
	Stamped Solder and PCB-(Material/Plating)	Phosphor Bronze / Silver or Gold (optional)					
	Machined Solder-(Material/Plating)	Brass / Silver or Gold (optional)					
	Female Contact						
	Stamped Solder and PCB-(Material/Plating)		Phosphor	Bronze / Tin or Go	ld (optional)		
	Machined Solder-(Material/Plating)		Brass	/ Silver or Gold (0	ptional)		

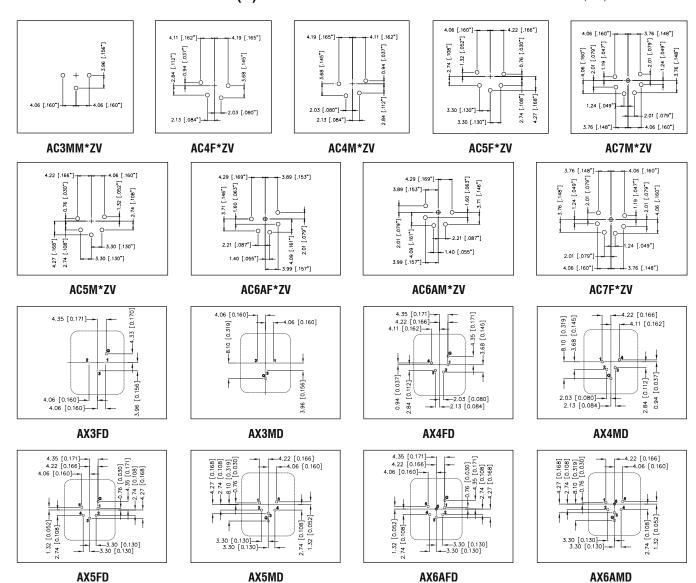
<sup>1)</sup> Not suitable for domestic applications above 50V

<sup>&</sup>lt;sup>2)</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

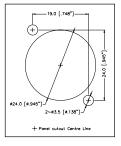
## AC / AX SERIES CHASSIS METAL "Z"

## PCB FOOTPRINTS STRAIGHT (V) CONNECTOR SIDE OF PCB

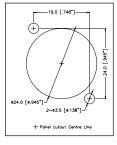
○ ø1.2mm(.05") + Panel Cutout CL



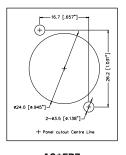
#### PANEL CUTOUT DIMENSIONS FRONT VIEW



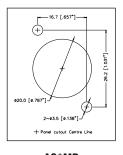
AC\*FDZ / AX\*FD



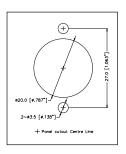
AC\*MDZ / AX\*MD



AC\*FPZ



AC\*MP



AC\*MPNZ

#### **XLR IP65 Connectors**



## **XLR IP65 CONNECTORS**

#### Features:

- IP65 Rated.
- Rear mounted thermoplastic shell housing aids in preassembly for PCB applications.
- Front mounted overmolded metal gasket sealing plate for superior panel sealing .
- · Solder Bucket connections.
- · Vertical or Horizontal PCB mounting.
- Available to suit three different panel thicknesses 1mm to 1.5mm, 1.5mm to 2mm, 2mm to 3mm
- · Leading first mate last break socket contact.
- · Positive latch lock system.
- · Protective sealing cap .

#### **Options:**

3, 4 or 5 contacts, Gold plated contacts, Solder buckets, Vertical or Horizontal PCB contacts

Part Number Breakdown: Page 34 Specifications: Page 35

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	260 (1024') 1930 (748') 25 (374') 26 (102') 26 (102') 27 (274') 28 (110')	1/2/3 RECOMEND PANEL THICKNESS	XLR 3 pole male chassis with protective cap , IP65, Solder bucket, Rear	Panel 1.0mm to 1.5mm	AXS3MP
	4-SCEV PAPPING	955 (380')	mount	Panel 1.5mm to 2mm	AXS3MP1
	1.5993 6.89	-7.4 (29)*3		Panel 2mm to 3mm	AXS3MP2
	26.0 (1.024*) 3.0 (1.16*) 1-1/2/3 RECOMEND PANEL THICKNESS 3.0 (1.	XLR 3 pole female chassis chassis with protective cap , IP65, Solder bucket, Rear	Panel 1.0mm to 1.5mm	AXS3FP	
		mount	Panel 1.5mm to 2mm	AXS3FP1	
	1986 166577	7.4 (291') — 240 (394')—		Panel 2mm to 3mm	AXS3FP2
	25.0 (1.024*) 19.00 (7.749*) 25.0 (1.024*) 25.0 (1.024*) 25.0 (1.024*) 25.0 (1.024*) 26.0 (1.024*) 26.0 (1.024*) 27.0 (1.024*) 27.0 (1.024*) 27.0 (1.024*) 28.0 (1.024*) 29.0 (1.024*) 2	1/2/3 RECOMEND PANEL THICKNESS	XLR 3 pole male chassis with protective cap , IP65, Horizontal PCB, Rear	Panel 1.0mm to 1.5mm	AXS3MPH
	8 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		mount	Panel 1.5mm to 2mm	AXS3MP1H
169 1.66		169 (6637) 1 0 037 (8137) 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Panel 2mm to 3mm	AXS3MP2H

#### **XLR IP65 Connectors**

PRODUCT - FIGURE	DRAWING	Dimensio	ns in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	26.9 [1.0247] 15.00 [7.497] 95 [3.747]	1/2/3 RECOMMEND PANEL	THICKNESS	XLR 3 pole female chassis chassis with protective cap , IP65, Horizontal PCB, Rear	Panel 1.0mm to 1.5mm	AXS3FPH
	Cabring St. Cabrin	0.4 (06°) 0.4 (06°) 0.5 (38°) 0.6 (38°) 0.6 (38°) 139 (545°) 16.9 (663°)	L.C. CO. CO. DO. C.	mount	Panel 1.5mm to 2mm	AXS3FP1H
		-20.7 (813°)-	in Conseigning of Section 1994		Panel 2mm to 3mm	AXS3FP2H
	26.0 (1.0547) 2.0 (1.0747) 15 (3.	1/2/3 RECOMMEND PANEL	THICKNESS	XLR 3 pole male chassis with protective cap , IP65, Vertical PCB, Rear	Panel 1.0mm to 1.5mm	AXS3MPV
	1 5 5 5 6 7 1 1 5 5 5 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.65 (.380°) 3.6 (.142°) -242 (.951°)	c)	mount	Panel 1.5mm to 2mm	AXS3MP1V
	1989 (1983)	7.4 (291')	in Orași		Panel 2mm to 3mm	AXS3MP2V
	26.0 (1.0241) 3.0 (1.161) 4.4 (2.527) 18.95 (1.7467) 19.00 (7.787) 5.0 (1.161) 4.4 (2.527) 18.95 (1.7467) 19.00 (7.787) 4.5 (2.527) 18.95 (1.7467) 19.00 (1.787) 19.00 (1.		XLR 3 pole female chassis chassis with protective cap , IP65, Vertical PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS3FPV	
		1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		Panel 1.5mm to 2mm	AXS3FP1V	
		2 24.2 (.9517)	Council   Coun		Panel 2mm to 3mm	AXS3FP2V
6	26.0 (1.0247) 2.0 (1.107) 15. (3.747) 15. (3.747)	19.00 (.748°) - 2.8 (.110°) - 16.65 (.656°)		XLR 4 pole male chassis with protective cap , IP65, Solder bucket, Rear	Panel 1.0mm to 1.5mm	AXS4MP
	The state of the s	9.65 (380°)	1-666 (16607)	mount	Panel 1.5mm to 2mm	AXS4MP1
	1980 1980	7.4 (291)	Particular S		Panel 2mm to 3mm	AXS4MP2
	26.0 (1.024*) 15.00 (748*) + 3.0 (1.16*) 15.00 (748*) + 5. (374*)	1/2/3 RECOMMEND PANEL 6.4 (252') 18.95 (746'		XLR 4 pole female chassis chassis with protective cap , IP65, Solder bucket, Rear	Panel 1.0mm to 1.5mm	AXS4FP
	4-SEEV   16.7 (5.55°)	10 teaser	mount	Panel 1.5mm to 2mm	AXS4FP1	
	4-SCREV 1-16.7 (569-1)-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		County   C   C   C   C   C   C   C   C   C		Panel 2mm to 3mm	AXS4FP2

#### **XLR IP65 Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	26.0 LIDR4*1 28 CIIO*1 16.5 L6.5 C. 1.5 C. 1		XLR 4 pole male chassis with protective cap , IP65, Horizontal PCB, Rear	Panel 1.0mm to 1.5mm	AXS4MPH
	4-SZEV - 14-PP-ING	\$ \\ \frac{1}{2} \\ \	mount	Panel 1.5mm to 2mm	AXS4MP1H
		9 (5627) 19 (537') 9 (627') 19 (727'		Panel 2mm to 3mm	AXS4MP2H
	26.0 (1.8847) 30 (1.167)	1/2/3 RECOMEND PANEL THICKNESS (252) 18.95 (244)	XLR 4 pole female chassis chassis with protective cap , IP65, Horizontal PCB, Rear	Panel 1.0mm to 1.5mm	AXS4FPH
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ \frac{3}{2} \frac{1}{2} \fra	mount	Panel 1.5mm to 2mm	AXS4FP1H
		9. (663')— 20.7 (819')— 8 3TC-4 (291')		Panel 2mm to 3mm	AXS4FP2H
	286.0 (1.024) 1900 (7.789) 1900	XLR 4 pole male chassis with protective cap , IP65, Vertical PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS4MPV	
			Panel 1.5mm to 2mm	AXS4MP1V	
		C291'3		Panel 2mm to 3mm	AXS4MP2V
	7560 (1024°) 30 (116°) 55 (374°) 55	A LEST INCOMES PAREL THICKNESS  A LEST INFO CARE  AS LEST INFO CARE  A	XLR 4 pole female chassis chassis with protective cap , IP65, Vertical PCB, Rear	Panel 1.0mm to 1.5mm	AXS4FPV
	4-SCEV_PING		mount	Panel 1.5mm to 2mm	AXS4FP1V
	599	22 (5917)		Panel 2mm to 3mm	AXS4FP2V
	19.00 (7.48") + 2.8 (1.10") + 9.5 (3.74")	1/2/3 RECOMEND PANEL THICKNESS	XLR 5 pole male chassis with protective cap , IP65, Solder bucket, Rear	Panel 1.0mm to 1.5mm	AXS5MP
	4-SEEV_PING	9.65 (1907) 222 (8727)	mount	Panel 1.5mm to 2mm	AXS5MP1
	SCLT-TAPPING    Company			Panel 2mm to 3mm	AXS5MP2

#### **XLR IP65 Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	26.0 (1.084) 3.0 (1.16*) 4.6 (2.58*) 1.6 (3.64*) 4.6 (2.58*) 1.8 (3.64*) 5.5 (3.74*) 5.5 (3.74*) 5.6 (3.65*) 1.8 (3.64*)	XLR 5 pole female chassis chassis with protective cap , IP65, Solder bucket, Rear	Panel 1.0mm to 1.5mm	AXS5FP	
	15 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	95 (280°) 7, (260°) 1, (26	mount	Panel 1.5mm to 2mm	AXS5FP1
		(291) -240 (294)		Panel 2mm to 3mm	AXS5FP2
	19.00 £748"] 2.8 £110")	1/2/3 RECOMEND PANEL THICKNESS	XLR 5 pole male chassis with protective cap , IP65, Horizontal PCB, Rear	Panel 1.0mm to 1.5mm	AXS5MPH
	SELF-TAPPING	15 5 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mount	Panel 1.5mm to 2mm	AXS5MP1H
		000000000000000000000000000000000000		Panel 2mm to 3mm	AXS5MP2H
	26.0 (1.024°) 30 (116°) 100 (7.48°) 35 (374°) 46.4	-1/2/3 RECOMEND PAREL THIOMESS 4 (252") 1835 (244")	XLR 5 pole female chassis chassis with protective cap , IP65, Horizontal PCB, Rear	Panel 1.0mm to 1.5mm	AXS5FPH
15	S S S S S S S S S S S S S S S S S S S	mount	Panel 1.5mm to 2mm	AXS5FP1H	
		199 (781) — 207 (813) — 207 (813) — 240 (944) — 240 (9		Panel 2mm to 3mm	AXS5FP2H
	9,5 (374')	1/2/3 RECOMEND PANEL THICKNESS	XLR 5 pole male chassis with protective cap , IP65, Vertical PCB, Rear	Panel 1.0mm to 1.5mm	AXS5MPV
	310 II.	9-65 Caseri 36 Ci42')————————————————————————————————————	mount	Panel 1.5mm to 2mm	AXS5MP1V
		(2917) -231 (.9097)		Panel 2mm to 3mm	AXS5MP2V
	26.0 (1.024*) 3.0 (1.10*) 19.00 (7.48*) 3.0 (1.10*) 16.4 (25.2*) 18.95 (7.44*) 3.0 (1.10*) 18.95 (7.44*) 3.0 (1.10*) 18.95 (7.44*) 3.0 (1.10*) 18.95 (7.44*) 3.0 (1.10*) 18.95 (7.44*) 3.0 (1.10*) 18.95 (7.44*) 3.0 (1.10*) 3		XLR 5 pole female chassis chassis with protective cap , IP65, Vertical PCB, Rear	Panel 1.0mm to 1.5mm	AXS5FPV
10		35 L1897) 465 L5897) 42 (59517) 467 L6567)	mount	Panel 1.5mm to 2mm	AXS5FP1V
		(2917) —240 (.9447)—		Panel 2mm to 3mm	AXS5FP2V

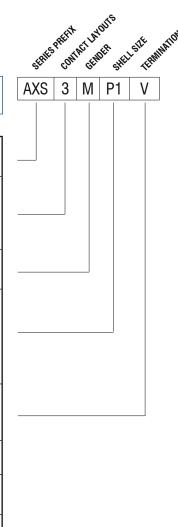
## PART NUMBER BREAKDOWN

## **CHASSIS CONNECTORS**

E. G. AXS3MP1V

AXS (Series Prefix), 3 contacts, Male, P1 (Thermoplastic 1.5mm to 2mm (Rear Mounting), V (Vertical Mount- PCB Thru Hole)

SERIES PREFIX	AXS	=	Sealed IP65 with cap
OLINEO I NEI IX	AXP	=	Sealed IP65 no cap
	3	=	3 Contacts
CONTACT LAYOUTS	4	=	4 Contacts
CUNTACT LATUUTS	5	=	5 Contacts
	6A	=	6 Contacts
GENDER	F	=	Socket receptacle housing
GENDEN	M	=	Pin plug housing
	Р	=	Thermoplastic 1mm to 1.5mm (Rear Mounting)
SHELL SIZE	P1	=	Thermoplastic 1.5mm to 2mm (Rear Mounting)
	P2	=	Thermoplastic 2mm to 3mm (Rear Mounting)
	Blank	=	Solder buckets
TERMINATION	Н	=	Horizontal Mount (PCB thru hole)
	V	=	Vertical Mount (PCB thru hole)
SHELL MATERIAL / FINISH	Thermoplastic Black		
CONTACT DI ATINO	Blank	=	Standard
CONTACT PLATING	AU	=	Gold plated
DACKACING	Blank	=	Individual Bags
PACKAGING	BULK	=	Bulk Packed



## **STANDARD DATA AX SERIES CHASSIS - IP65**

			VAI	LUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A Available			
CHANACTERISTICS	Contact Arrangement (Front view of pin inserts)		1 4 0 3 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 3 4 b	0 6 5 0 3 4			
	Termination	Solder Bucket / Printed Circuit Board (PCB)						
	Max. Wire Gauge - Stranded wire: Solder Printed Circuit Board - PCB	14AWG 16AWG N/A N/A		18AWG N/A	18AWG N/A			
	Flammability rating of plastics & rubber		UL9	4V-0				
	Environmental	(	Complies with EU RoHS	2 Directive 2011/65/EU	J			
ELECTRICAL	Service Voltage RMS	133V <sup>1)</sup>						
CHARACTERISTICS	Test Voltage AC RMS	1400V						
	Current carrying capacity: Solder Printed Circuit Board (PCB)	15A 15A	10A 10A	7.5A 7.5A	7.5A 7.5A			
	Typical Contact Resistance	≤3mΩ						
	Insulation Resistance		≥1000MΩ					
CLIMATIC	Protection Class	IP65						
CHARACTERISTICS	Operating Temperature		-25°C to +75°C	(-13°F to +167°F)				
MECHANICAL CHARACTERISTICS	Weight 2)	31g (0.068lb)	32g (0.070lb)	33g (0.072lb)	33g (0.072lb)			
	Mechanical Operations		1000 mat	ing cycles				
MATERIALS	Connector Flange Finish		Rubber Black /	Stainless Steel				
	Insulators		PA66 30% Gla	ss Filled Resin				
	Male Contact Machined Solder and PCB-(Material/Plating)	) Brass / Tin or Gold (Optional)						
	Female Contact Machined Solder and PCB-(Material/Plating)	Brass / Tin or Gold (Optional)						

<sup>&</sup>lt;sup>1)</sup>Not suitable for domestic applications above 50V <sup>2)</sup>Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

XLRnet IP65 Range



## **XLRNET IP65 RANGE**

Part Number Breakdown: Page 39

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
100000		24.0 (.945')	XLRnet chassis, CAT5E with protective cap, IP65, Horizontal PCB, Rear mount	Panel 1.2m to 2.5mm	RJXS8FP5H
- L. C. S.	Apphason 4 (1.02221)			Panel 1.2mm to 2.5mm, Potted	RJXS8FP5HP
	6210 10			Panel 2.5mm to 3.8mm	RJXS8FP15H
		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP15HP
				Panel 3.8mm to 5mm	RJXS8FP25H
				Panel 3.8mm to 5mm, Potted	RJXS8FP25HP
	26.0 [1.024']— 10.1 [.398']— 19.0 [.748']— 6.9 [.272']—	24.0 [.945*]	XLRnet chassis, CAT6 with protective cap,	Panel 1.2m to 2.5mm	RJXS8FP6H
	(6.99457) - (7.9947) - (7.99		IP65, Horizontal PCB, Rear mount	Panel 1.2mm to 2.5mm, Potted	RJXS8FP6HP
	#31.0 I			Panel 2.5mm to 3.8mm	RJXS8FP16H
		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP16HP
				Panel 3.8mm to 5mm	RJXS8FP26H
				Panel 3.8mm to 5mm, Potted	RJXS8FP26HP
100000	26.0 (1.024') 10 19.0 (7.48') 6.	0.1 [.398'] .9 [.272'] ————————————————————————————————————	XLRnet chassis, CAT5E with protective	Panel 1.2m to 2.5mm	RJXS8FP5HE
	N 4 11 12 13 13 13 13 13 13 13 13 13 13 13 13 13	cap, IP65, Shielded	Panel 1.2mm to 2.5mm, Potted	RJXS8FP5HPE	
	3.5.8	36 5.14	Rear mount	Panel 2.5mm to 3.8mm	RJXS8FP15HE
	1	PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP15HPE
				Panel 3.8mm to 5mm	RJXS8FP25HE
				Panel 3.8mm to 5mm, Potted	RJXS8FP25HPE
100000	26.0 [1.024*] 19.0 [.748*]	10.1 [.398']	XLRnet chassis, CAT6 with protective	Panel 1.2m to 2.5mm	RJXS8FP6HE
		cap, IP65, Shielded Hood,Horizontal PCB,	Panel 1.2mm to 2.5mm, Potted	RJXS8FP6HPE	
	10 C C C C C C C C C C C C C C C C C C C	1	Rear mount	Panel 2.5mm to 3.8mm	RJXS8FP16HE
		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP16HPE
				Panel 3.8mm to 5mm	RJXS8FP26HE
				Panel 3.8mm to 5mm, Potted	RJXS8FP26HPE

#### XLRnet IP65 Range

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
3	26.0 (1.024*)— 10.1 (399*)— 6.9 (272*)  [PUB9]	24.0 [.945']	XLRnet chassis, CAT5E with protective cap, IP65, Vertical PCB, Rear mount	Panel 1.2m to 2.5mm	RJXS8FP5V
				Panel 1.2mm to 2.5mm, Potted	RJXS8FP5VP
	6310 (6			Panel 2.5mm to 3.8mm	RJXS8FP15V
		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP15VP
				Panel 3.8mm to 5mm	RJXS8FP25V
				Panel 3.8mm to 5mm, Potted	RJXS8FP25VP
2000	26.0 [1.024*]— 10.1 [.394 1-19.0 [.748*]— 6.9 [.272*	24.0 [.945']	XLRnet chassis, CAT6 with protective cap,	Panel 1.2m to 2.5mm	RJXS8FP6V
125	# 1509-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		IP65, Vertical PCB, Rear mount	Panel 1.2mm to 2.5mm, Potted	RJXS8FP6VP
	## ## ## ## ## ## ## ## ## ## ## ## ##			Panel 2.5mm to 3.8mm	RJXS8FP16V
		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP16VP
				Panel 3.8mm to 5mm	RJXS8FP26V
				Panel 3.8mm to 5mm, Potted	RJXS8FP26VP
naho.	-26.0 (1.024*)- -19.0 (7.48*)- -19.0 (7.48*)- 6.9 (2	98']	XLRnet chassis, CAT5E with protective	Panel 1.2m to 2.5mm	RJXS8FP5VE
240 [19457]		cap, IP65, Shielded Hood, Vertical PCB, Rear mount	Panel 1.2mm to 2.5mm, Potted	RJXS8FP5VPE	
			Panel 2.5mm to 3.8mm	RJXS8FP15VE	
		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP15VPE
				Panel 3.8mm to 5mm	RJXS8FP25VE
				Panel 3.8mm to 5mm, Potted	RJXS8FP25VPE
260 [1054.] 190 [1.746.] 100 [1.052.]	26.0 [1.024*]————————————————————————————————————	[.398']	XLRnet chassis, CAT6 with protective	Panel 1.2m to 2.5mm	RJXS8FP6VE
		cap, IP65, Shielded Hood,Vertical PCB,	Panel 1.2mm to 2.5mm, Potted	RJXS8FP6VPE	
	24.5		Rear mount	Panel 2.5mm to 3.8mm	RJXS8FP16VE
7		PANEL		Panel 2.5mm to 3.8mm, Potted	RJXS8FP16VPE
				Panel 3.8mm to 5mm	RJXS8FP26VE
				Panel 3.8mm to 5mm, Potted	RJXS8FP26VPE

#### XLRnet IP65 Range

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLRnet cable plug housing to suit preassembled RJ45 ethernet cables	Nickel finish	RJXS8M
				Black finish	RJXS8MB
			XLRnet cable plug cap assembly to suit RJX	Brown I.D. ring	RJXS-CAPC-1
		series XLRnet cable plugs with coloured	Red I.D. ring	RJXS-CAPC-2	
	۶	ρ	i.D. ring	Orange I.D. ring	RJXS-CAPC-3
			Yellow I.D. ring	RJXS-CAPC-4	
			Green I.D. ring  Blue I.D. ring  Violet I.D. ring	RJXS-CAPC-5	
				RJXS-CAPC-6	
				RJXS-CAPC-7	
	^ ^	^ ^		Grey I.D. ring	RJXS-CAPC-8
				White I.D. ring	RJXS-CAPC-9

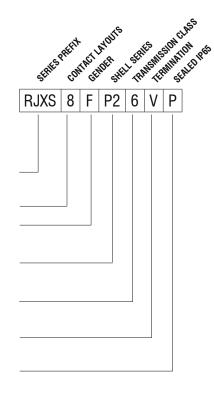
## PART NUMBER BREAKDOWN

### **PANEL**

#### E. G. RJXS8FP26VP

RJXS (Series Prefix), 8 RJ45 Style, **F** (Four hole receptacle housing IP65 - Black - Rear Mounting), **P2** (Thermoplastic 3.8mm to 5mm with cap (Rear Mounting), **6** Cat6 Compliant, **V** Vertical Mount (PCB Thru Hole), **P** Potted (IP65 unmated)

	RJX	=	Standard
SERIES PREFIX	RJXS	=	Sealed IP54 or IP65
	RJXP	=	Sealed IP65 without cap
CONTACT LAYOUTS	8	=	RJ45 Style
GENDER	F	=	Receptacle Housing
	Р	=	Thermoplastic 1.2mm-2.5mm (Rear mounting IP65)
SHELL SERIES	P1	=	Thermoplastic 2.5mm to 3.8 mm with cap (Rear mounting IP65)
	P2	=	Thermoplastic 3.8mm to 5 mm with cap (Rear mounting)
TRANSMISSION	5	=	Cat5e Compliant
CLASS	6	=	Cat6 Compliant
TERMINATION	Н	=	Horizontal Mount (PCB Thru hole)
IENWINATION	V	=	Vertical Mount (PCB Thru hole)
SEALED IP65 (RJXX)	Р	=	Potted (IP65 unmated)
LOCKING	Blank	=	Latching
<b>MECHANISM</b> P = Push lever supplied seperately for custom		Push lever supplied seperately for customer installation.	
DACKACINIC	Blank	=	Individual Bags
PACKAGING	В	=	Bulk Packed



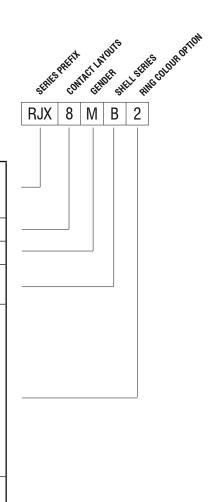
XLRnet IP65 Range

# PART NUMBER BREAKDOWN

## PLUG CONNECTORS

E. G . RJX8MB2 RJX (Series Prefix), 8 RJ45 style, M Plug Housing, Black Finish, 2 Red Ring Colour Option

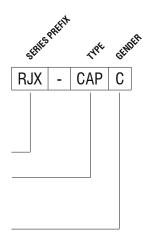
	RJX	=	Standard
SERIES PREFIX	RJXS	=	Sealed IP65 with cap
	RJXP	=	Sealed IP65 without cap
CONTACT LAYOUTS	8	=	RJ45 style
GENDER	М	=	Plug Housing
CHELL CEDIES	Blank	=	Nickel plated finish
SHELL SERIES	В	=	Black finish
	Blank	=	Black
	1	=	Brown
	2	=	Red
	3	=	Orange
RING COLOUR	4	=	Yellow
OPTION	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
PACKAGING	Blank	=	Individual Bags
PACKAGING	BULK	=	Bulk Packed



## PROTECTIVE CAP

E. G. RJX-CAPC
RJX (Series Prefix), CAP Type, C Cable Plug male

CEDIES DDEELA	RJX	=	Standard
SERIES PREFIX	RJXS	=	Sealed IP54 or IP65
TYPE	CAP		
	F	=	Female panel
OUELL SEDIES	М	=	Male Panel (Not available)
SHELL SERIES	С	=	Cable Plug male
	D	=	Cable Plug female
	Blank	=	Black
	1	=	Brown
	2	=	Red
	3	=	Orange
RING COLOUR	4	=	Yellow
OPTION	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
OPTION	Blank	=	Lanyard
DACKACINO	Blank	=	Individual Bags
PACKAGING	BULK	=	Bulk Packed



# STANDARD DATA XLRnet IP65 CHASSIS RECEPTACLES

			VALUE			
		Class D	CAT5E	CAT6		
GENERAL	Number of contacts		8			
CHARACTERISTICS	Contact Arrangement		RJ45			
	Termination	Printed Circuit Bo	oard (PCB) - through hole, Feedthrough	n, IDC Terminal		
	Flammability		UL94V-0			
	Environmental	Comp	lies with EU RoHS 2 Directive 2011/65	5/EU		
	Solderability		MIL-STD 202, Method 208			
ELECTRICAL	Rated current per contact		1.5 A			
CHARACTERISTICS	Rated Voltage	125V AC				
	Typical Contact Resistance		20mΩ			
	Insulation Resistance		> 500MΩ			
	Dielectric Strength		1000 VAC, 60 secs			
	Max. Frequency	100Mhz	100MHz	250MHz		
	Ethernet Standard	10/100 BASE-T	1000 BASE-T	10GBASE-T		
	Transmission Spec.	EIA	/ TIA568-C.2, ISO/IEC 11801, EN5017	3		
	PoE	802.3at Type 2	Types 1 to 4 and IEC60	0603-7 compliant		
	LED Type		Round, single pole, indicator			
CLIMATIC	Protection Class - RJX		IP40 (with EMI/RFI shield)			
CHARACTERISTICS	- RJXS		IP54 (non potted) IP65 (potted)			
	Operating Temperature		-40°C to +80°C (-40°F to +176°F)			
MECHANICAL	Weight** - A & B Housing - Shielded Housing		11g (0.024lb) 17g (0.037lb)			
CHARACTERISTICS	- D Shell		25g (0.055lb)			
	Mechanical Operations		1000			
	Insertion and Withdrawal Force		≤ 21N			
	Latch		Spring Steel			
	Panel Thickness max.	RJXS series panel thickn	ess variable, three groups: S: 1.2-2.5,	M: 2.5-3.5, L: 3.8-5.0		
	Mounting screw torque max.		0.35Nm			
	Fastener		Self-Tapping screw M2.5			
MATERIALS	Connector Shell / Housing		PA66-R10G251(fff)(f1)			
			KINGFA SCI&TECH, E171666			
	Front Panel Gasket		121-80 SANTOPRENE			
	Potting Compound		AW8829 RESIN GLUE			
	Contact		Phosphor Bronze			
	Contact Finish - Ground		$0.38\mu$ m Au over $1.27\mu$ m Ni			
	- RJ45		$1.27\mu$ m Au over $1.27\mu$ m Ni			
	Metal Hood Shield EMI/RFI	BRASS	G UNS #26800 PRE-PLATED 0.25mm	ТНК		
	Latch lock and Spring		CARBON STEEL SAE 1055			
PANEL THICKNESS	Option "P"		1.5mm - 2.5mm (0.059" - 0.098")			
	Option "P1" Option "P2"		2.5mm - 3.5mm (0.098" - 0.137") 3.8mm - 5mm (0.149" - 0.196")			

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



# AC SERIES XLR PCB CHASSIS MOUNT CONNECTORS

The AC series, A and B type XLR chassis receptacles have been designed and manufactured with the Original Equipment Manufacturers' (OEM) needs in mind. The compact shell design allows a significant space saving over the traditional 'D' type shell. Gold plated contacts improve the performance, ensuring a reliable contact and the unique grounding link options offer flexibility in design.

#### **Features**

- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- Vertical and Horizontal PCB versions available.
- Latching and Non-latching versions available.
- A range of different grounding options are available including:
  - Mating connector shell to Pin 1
  - Mating connector shell to Chassis
  - Mating connector shell to pin 1 to Chassis
- A type is available in 3, 4 or 5 contacts.
- . B type is available in 3 contact only.
- · Compatible with all other XLR brands.
- · Metal Mounting Flange (B type)

#### **Options**

- · Vertical PCB contacts
- · Horizontal PCB contacts
- · Precision Machined Pin contacts
- · Cost effective Stamped Socket contacts
- · Gold Plated contacts (Standard)
- · Silver Plated contacts (Optional)
- Bulk Packaging
- Integrated Switch

#### **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

- 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.

#### **AC Series XLR PCB Chassis Mount Connectors**



# **A TYPE**

#### Features:

- · Thermoplastic Shell
- Contact layouts in 3,4 or 5
- Industry standard PCB footprints.
- · Vertical or Horizontal PCB mounting.
- · Precision machined pin contacts.
- · Gold plated contacts.
- · Leading first mate last break socket contact.
- Bulk packed in trays, 100 to a box as standard.
- · Positive latch lock system.

**Options:** Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

Part Number Breakdown: Page 51 Specifications: Page 54 PCB Footprints: Page 55 Panel Cutouts: Page 56

**Recommended Fastener: Page 152** 

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
	25.4 [.998*]———————————————————————————————————	19.5 [.768*] - 19.8 [.780*] - 19.8 [	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-PRE
	25.4 [.998*]———————————————————————————————————	19.5 [.768*] - 19.8 [.780*] - 19.8 [	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAH1-AU-PRE
	25.4 [.998*]  Amphenol  1 3 2  2.7  [.106*]	-19.5 [.768*]19.8 [.780*]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAH2-AU-PRE
	25.4 [.998"] 	19.5 [.768"]	XLR 3 pole male with integrated switch, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-SW-B
	25.4 [.998"]———————————————————————————————————	24.0 [.945"] 19.5 [.768"] 19.5 [.768"] 28.1 3.5 [.138]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAV-AU-PRE

## **AC Series XLR PCB Chassis Mount Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
	25.4 [998] (1) 27 (100)	24.0 (945) 19.5 (788) 19.5 (788) 2 3 5 5 1,138]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAV2-AU-PRE
	25.4 [.998]	-24.0 [.945]	XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
10	25.4 [.996"]  (FUSH)	3.2 [126*] 19.5 [766*] 19.5 [766*] 19.5 [766*]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-PRE
	25.4 [.996"]  (PUSH)  (Amphana)  (2 ) 1  (3 ) 2  (4 ) 2  (5 ) (6 ) (7 ) (7 ) (7 ) (7 ) (7 ) (7 ) (7	3.2 [126*] 19.5 [.766*] 19.5 [.766*]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAH1-AU-PRE
	25.4 [998'] (PUSH) (PUS	5.2 (126°) 19.5 (.766°) 19.5 (.766°) 19.5 (.766°) 19.5 (.766°)	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-PRE
1	25.4 [.998"]	19.5 [.766*]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-PRE
	25.4 [.998"]    1	19.5 [.768*] 19.5 [.768*] 10.5 [.768*] 10.5 [.768*] 10.5 [.768*] 10.5 [.768*]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAHL1-AU-PRE
10	25.4 [.998*]    1	19.5 [.766*]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAHL2-AU-PRE
10	25.3 [.996"]  (PUSH)  (Amphon 0  2.6  [.102"]	3.2 [.126*] -19.5 [.768*] -19.5 [.768*] -24.0 [.945*]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-PRE
0	25.5 [.998"]  (PUSH)  (Amphania)  (2.6)  (102"]	3.2 [.126*] 19.5 [.768*] 3.5 1.136*]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAV1-AU-PRE

## **AC Series XLR PCB Chassis Mount Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
O	25.3 [998"]  (PUSH)  (	3.5 [136] 19.5 [768] 19.5 [768] 19.5 [768] 10.5 [798] 10.5 [7	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAV2-AU-PRE
0	26 [:102]	-19.5 [.768"] -19.5 [.768"] -19.5 [.798"] -19.5 [.798"] -19.5 [.798"] -19.5 [.798"] -19.5 [.798"] -19.5 [.798"] -19.5 [.798"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-PRE
10	25.3 [998"]  -25.3 [998"]  -25.3 [998"]  -25.3 [998"]  -25.3 [998"]  -25.3 [998"]  -25.3 [998"]  -25.3 [998"]	19.5 [.766*] 19.5 [.766*] 19.5 [.768*] 19.5 [.768*] 19.5 [.768*] 19.5 [.768*]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAVL1-AU-PRE
	25.3 [998"]———————————————————————————————————	19.5 [.768"] 19.5 [.768"] 19.5 [.768"] 19.5 [.779"] 19.6 [.779"] 19.7 [.779"] 19.8 [.779"] 19.8 [.779"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAVL2-AU-PRE
	25.0 [ 984"]  Amptha to 1  O O O O O O O O O O O O O O O O O O	19.5 [.768"]	XLR 4 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC4MAH-AU-B
	19.8 [.790]	19,0 [.748]	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
	19.8 [760]	24 [945"] 25 [984"] 26 [984"] 27 [188]	XLR 5 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAV-AU-B
	19.8 [.780]	3.2 [.125"] 19.5 [.768"] 2.2 [.106"] 2.7 [.106"]	XLR 5 pole female, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAH-AU-B
	19.8 [.780°]	3.2 [125*] 19.5 [768*] 19.5 [	XLR 5 pole female, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAV-AU-B

#### **AC Series XLR PCB Chassis Mount Connectors**



## **B TYPE**

#### Features:

- Thermoplastic Shell with Metal Mounting Flange
- Contact layouts in 3 or 5
- Industry standard PCB footprints
- Improved grounding performance
- Vertical or Horizontal PCB mounting
- Precision machined pin contacts
- Gold plated contacts
- · Leading first mate last break socket contact
- Bulk packed in trays, 100 to a box as standard
- · Positive latch lock system

**Options:** Silver plated contacts, Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

Part Number Breakdown: Page 51 Specifications: Page 54 PCB Footprints: Page 55 Panel Cutouts: Page 56

			Recommended Fast	ener: Page 152	
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	25.3 [396*] 20 27 [106*]	19.5 [766]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBH-AU-PRE
	25.3 [.996*]	19.5 [.760]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBH1-AU-PRE
	25.3 [.996"]	9.5 [.768] 9.5 [.768] 19.8 [.760] 19.8 [.760] 19.8 [.760]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBH2-AU-PRE
	25.3 [ 996"] 27. [ 106"]	9.5 [.766*]  9.5 [.766*]  9.5 [.766*]  9.5 [.766*]  9.5 [.766*]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBH3-AU-PRE
	25.3 [ 996"] 26   990"] 27 [ 100"]	19.5 [.766]	XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBHL-AU-PRE
	25.3 [.996"]	24.0 [945*] 19.5 [766*] 3.5 [138*]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBV-AU-PRE

## **AC Series XLR PCB Chassis Mount Connectors**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	2.7 [106]		XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBV1-AU-PRE
	25.5 [ 996"] — 24.0 [ 99	•	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBV2-AU-PRE
	25.3 [ 996"]		XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBV3-AU-PRE
	25.5 [994]	19.8 [780*] 19.8 [780*] 19.8 [780*]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBH-AU-PRE
	27 [40f]	9.8 (780°)	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBH1-AU-PRE
	25.3 [596"] - 30 [118"] - 30 [	98 (780')	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3FBH2-AU-PRE
	25.3 [596"] -3.0 [.110"] -12.5 [.76"] -3.0 [.710"] -2.7 [.705"] -3.0 [.710"] -3.0 [	19.8 [.780]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBH3-AU-PRE
	25.3 [996] 25.5 [75] 27 [106] 3.3	19.8 [780]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBHL-AU-PRE

## **AC Series XLR PCB Chassis Mount Connectors**

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	FINISH	PART NUMBER
	25.5 [996"] 27 [106"] 2.7 [106"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBHL1-AU-PRE
	22.4 [882"] 	XLR 3 pole female, Horizontal PCB, Non- Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBHL2-AU-PRE
	27 [106] 27 [106]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBHL3-AU-PRE
	25.3 [396"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBV-AU-PRE
	25.3 [996"] ————————————————————————————————————	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBV1-AU-PRE
	25.3 [996"] — 3.0 [116"] — 19.8 [.780"] — 19.8 [.78	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBV2-AU-PRE
	25.5 [ 996"] — 5.0 [.118"] — 5.24.0 [945"] — 19.8 [.780"] — 19.8 [	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBV3-AU-PRE
	25.5 [996"] - 24.0 [946"] - 19.8 [780"] - 19	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBVL-AU-PRE

## **AC Series XLR PCB Chassis Mount Connectors**

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	FINISH	PART NUMBER
	25.3 [996"] 24.0 [945"] 27 [.106"] 27 [.106"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBVL1-AU-PRE
	24.0 [.945"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis -Pin 1 sep. Ground.	Nickel Finish	AC3FBVL2-AU-PRE
	23.8 [.937] 9.8 [.780] 2.7 [.106] 3.7 [.145]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBVL3-AU-PRE
Pusal	3.2 [.125"] 25 [.984"] 25 [.984"] 25 [.984"] 25 [.984"] 25 [.984"] 25 [.984"] 25 [.984"] 25 [.984"] 27 [.106"] 27 [.106"]	XLR 5 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBH-AU-PRE
	3.2 [.125"] — 25 [.984"] — 25 [.984"] — 25 [.984"] — 25 [.984"] — 25 [.984"] — 25 [.984"] — 25 [.984"] — 26 [.984"] — 27 [.106"]	XLR 5 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBV-AU-PRE
10	19.8 [.780"] ————————————————————————————————————	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBH-AU-PRE
10	19.8 [.780"]————————————————————————————————————	XLR 5 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBV-AU-PRE

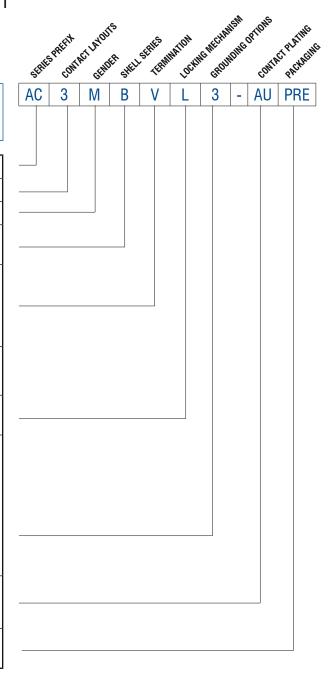
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AC SERIES A AND B TYPE MALE - 3 CONTACT

#### E. G. AC3MAVL3-AU PRE

AC (series prefix),3 contacts, Male, A Type, Vertical Printed Circuit Board, Latchless, 3 (Mating Shell to Pin 1 Grounding), - AU (Gold Plated Contacts), PRE Bulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contact only
GENDER	M	=	Male Socket Contacts
SHELL SERIES	А	=	A Type
STILLE SETTILS	В	=	В Туре
	Н	=	Horizontal Printed Circuit Board
TERMINATION	V	=	Vertical Printed Circuit Board
	Blank	=	Solder Bucket Contacts
MOUNTING Flange Finish (B type Only)	Blank	=	Nickel
LOCKING	Blank	=	Latching
MECHANISM	L	=	Latchless
	Blank	=	No Ground Link
	1	=	Pin 1 to Chassis to mating connector shell
GROUNDING LINK	2	=	Mating Connector shell to Chassis, Pin 1 to separate ground
OFTIONS	3	=	Mating connector to Pin 1
	4	=	Mating connector to Shell to Chassis to PCB, Pin 1 separate ground
	AU	=	Gold Plated Contacts
CONTACT PLATING	AG	=	Silver Plated Contacts (Non-Standard)
PACKAGING	PRE	=	Bulk Packed
FACKAUINU	PRD	=	Disassembled push latch

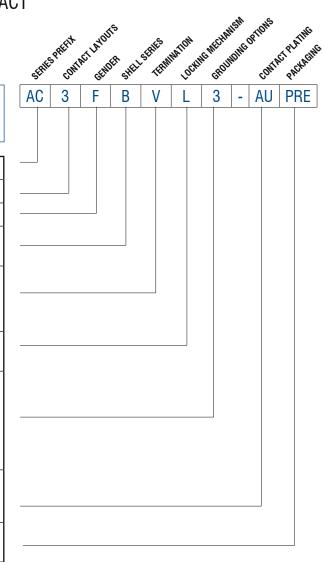


AC SERIES A AND B TYPE FEMALE - 3 CONTACT

#### E. G. AC3MAVL3-AU B

AC (series prefix),3 contacts, Female, A Type, Vertical Printed Circuit Board,Latchless, 3 (Pin 1 to Chassis Grounding), - AU (Gold Plated Contacts), PRE Bulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contact only
GENDER	F	=	Female Socket Contacts
SHELL SERIES	Α	=	A Type
OTTLEE GETTIEG	В	=	B Type
	Н	=	Horizontal Printed Circuit Board
TERMINATION	V	=	Vertical Printed Circuit Board
LOCKING	Blank	=	Latching
MECHANISM	L	=	Latchless
	Blank	=	No Ground Link
GROUNDING LINK	1	=	Pin 1 to Chassis to mating connector shell
OPTIONS	2	=	Mating Connector shell to Chassis, Pin 1 to separate ground
OPTIONS	3	=	,
OPTIONS			Pin 1 to separate ground
CONTACT PLATING	3	=	Pin 1 to separate ground Pin 1 to Chassis  Gold Plated Contacts Silver Plated Contacts
	3 AU	=	Pin 1 to separate ground Pin 1 to Chassis  Gold Plated Contacts
	3 AU	=	Pin 1 to separate ground Pin 1 to Chassis  Gold Plated Contacts Silver Plated Contacts

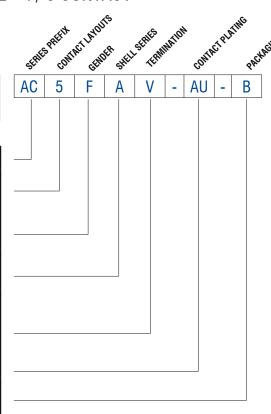


AC SERIES A AND B TYPE MALE AND FEMALE - 4 / 5 CONTACT

E. G. AC5FAV-AU-B

 ${\bf AC}$  (series prefix),  ${\bf 5}$  contacts, Female,  ${\bf A}$  Type, Vertical Printed Circuit Board,  ${\bf AU}$  (Gold Plated Contacts) -  ${\bf Bulk}$  Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	4 5	=	4 Contact 5 Contact
GENDER	F M	= =	Female Socket Contacts Male Pin Contacts
SHELL SERIES	A B	= =	A Type B Type
TERMINATION	H V	=	Horizontal Printed Circuit Board Vertical Printed
CONTACT PLATING	AU	=	Circuit Board  Gold Plated Contacts
PACKAGING	B PRE	= =	Bulk Packed PRE Series Bulk Packed



# STANDARD DATA AC SERIES A AND B TYPE CHASSIS

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5		
CHANACIENISTICS	Contact Arrangements (Front view of pin insert)		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	( 3 4 b		
	Termination		Printed Circuit Board (PCB)	I		
	Flammability rating of plastics		UL94V-0			
	Environmental	Complie	es with EU RoHS 2 Directive 201	11/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS		133V <sup>1</sup>			
UNANAUTENISTIUS	Test Voltage AC RMS		1500V			
	Current carrying capacity	6	SA	3A		
	Typical Contact Resistance		≤5mΩ			
	Insulation Resistance (initial)		≥2GΩ			
	Insulation Resistance (after damp heat test)		≥ <b>1</b> GΩ			
CLIMATIC	Protection Class	IP40				
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to +167°F)				
MECHANICAL CHARACTERISTICS	Weight <sup>2</sup>	14g (0.030lb)				
UNANAUTENISTIUS	Retention Spring separating force	≥20N				
	Mounting Screw torque max.		1.5Nm			
	Mechanical Operations		1500 mating cycles			
	Fastening A Type Connectors <sup>3</sup>	Self-Tapping PT screw	with thread 2.9 x 1.06 and of T	ri-rondular configuration		
	Fastening B Type Connectors <sup>3</sup>		Self-Tapping screw M2.5			
MATERIALS	Connector Flange - B-Type		Diecast Zinc Alloy			
	Flange Finish - B-Type		Nickel			
	Insulators	PA6.6+25% glass fibre reinforced, UL94V-0				
	Male Contact Material	Brass				
	Male Contact Plating	0.05μm gold over 2μm nickel				
	Female Contact Material	Bronze				
	Female Contact Plating	0.05µm gold over 2µm nickel				
	Latch lock and Spring		Spring Steel			
	Ground element		Spring Steel			

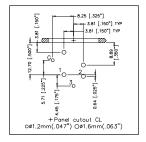
<sup>&</sup>lt;sup>1</sup> Not suitable for domestic applications above 50V

<sup>&</sup>lt;sup>2</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

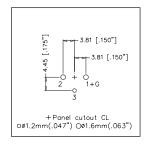
<sup>&</sup>lt;sup>3</sup> Refer to page 152

# **AC SERIES A AND B TYPE CHASSIS**

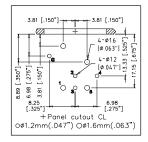
## PCB FOOTPRINTS - CONNECTOR SIDE OF PCB



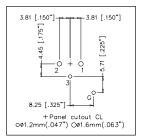
AC3FAH2 AC3FBH2



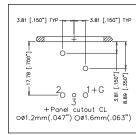
AC3FAV1 AC3FBV1 AC3FBV3 AC3FAV AC3FBV



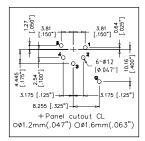
AC5FAH



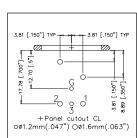
AC3FAV2 AC3FBV2



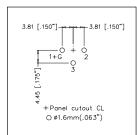
AC3MAH1 AC3MAH3 AC3MBH1 AC3MBH3 AC3MAH AC3MBH AC3MBHL



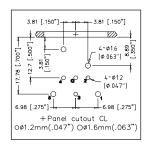
**AC5FAV** 



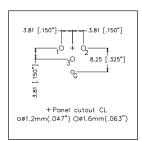
AC3MAH2 AC3MAH4 AC3MBH2



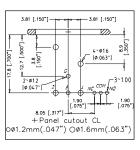
AC3MAV1 AC3MAV3 AC3MBV1 AC3MBV3 AC3MAV AC3MBV



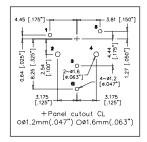
AC5MAH



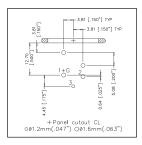
AC3MAV2 AC3MAV4 AC3MBV2



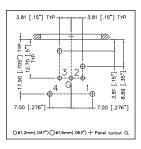
AC3MAH4SWB



AC5MAV



AC3FAH3 AC3FBH1 AC3FBH3 AC3FAH AC3FBH

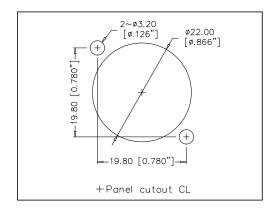


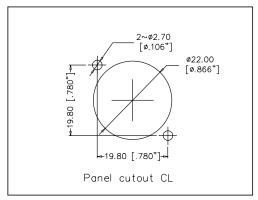
**AC4MAH** 

## **AC SERIES A AND B TYPE CHASSIS**

## **PANEL CUTOUT DIMENSIONS - FRONT VIEW**

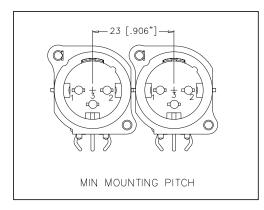
#### **A TYPE**

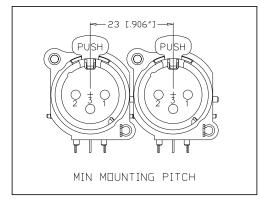




**B TYPE** 

## A AND B **TYPE MALE MOUNTING PITCH**

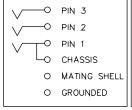


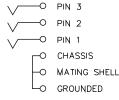


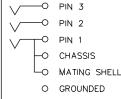
A AND **B TYPE FEMALE MOUNTING PITCH** 

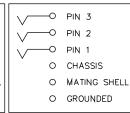
# **AC3FA/BH/V SCHEMATIC CHART**

AC3FA/BH/V3-AU AC3FA/BH/VL3-AU AC3FA/BH/V2-AU AC3FA/BH/VL2-AU AC3FA/BH/V1-AU AC3FA/BH/VL1-AU AC3FA/BH/V-AU AC3FA/BH/VL-AU



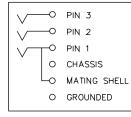


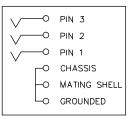


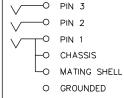


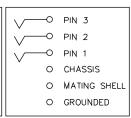
AC3MA/BH/V3-AU AC3MA/BH/VL3-AU AC3MA/BH/V2/4-AU AC3MA/BH/V1-AU AC3MA/BH/VL2/4-AU AC3MA/BH/VL1-AU

AC3MA/BH/V-AU AC3MA/BH/VL-AU









AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount



# AC SERIES DUAL 1/4" (6.35MM) / XLR CHASSIS MOUNT

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

- 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.

## AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount



#### 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).

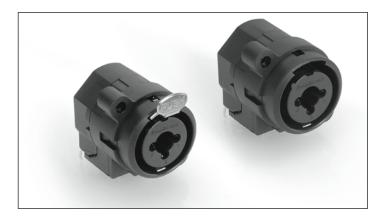
Part Number Breakdown: Page 63 Specifications: Page 65 PCB Footprints: Page 64 Recommended Fastener: Page 152

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	986   78  	27.5 [1082]  SCHEMATIC CHART  JACK  NLR  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
0	96   78   78   78   78   78   78   78   7	27.5   1082   SCHEMATIC CHART  JACK XLR  03 0 2 01 01 06	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	1980   781   Fueen   F	24 0   945  SCHEMATIC CHART JACK N.R.  05 0 2 0 0 1 0 6	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2 BULK
	980   781	24.0   945  37   146  SCHEMATIC CHART JACK XLR XLR OC	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AV2L BULK
	986 10 C 27 15 10 1961	SCHEMATIC CHART  JACK XLR  35 0 2  85 0 2  85 0 2  85 0 2  85 0 2  85 0 6	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AH BULK
	19 80   78 - 19 80	SCHEMATIC CHART  JACK  Standard  Sta	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AHL BULK

## AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
16	75 80   78) (PUBM) 186   187	37   1.66   SCHEMATIC CHART JACK XI.R   35   0   0   0   0   0   0   0   0   0	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
	-19 80 [ 78] -19 80 [ 78] -25 3 [ 996]	24.0   94.5   37   14.6   SCHEMATIK CHART JACK XI,R JACK XI,R   35.6   0.1   0.6   0.5   0.6   0.5   0	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
		27.5   1.082   SCHEMATIC CHART  JACK XLR  35.9   0.2  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5  85.9   0.5	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10AH BULK
0		275   1082   SCHEMATIC CHART  JACK XLR  35	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	ACJC10AHL BULK
16	79 80   78   File   79 80   70	37 [16.6] SCHEMATIC CHART XIR JACK XIR SCHEMATIC CHART TIME TIME TIME TIME TIME TIME TIME TIM	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10AV2 BULK
100	19 80   78   19 80   78   10	24 0   945  37   146  SCHEMATIC CHART JACK XI,R XI,R XI,R XI,R XI,R XI,R XI,R XI,R	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	ACJC10AV2L BULK

## AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount



#### 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 63 Specifications: Page 65 PCB Footprints: Page 64 Recommended Fastener: Page 152

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1063] -20 [187] -20 [187]	10.6 SCHEMATIC CHART  ACC  24 [ 945"]  50 S O S O S O C O S O C O S O C O C O C O	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
	27 (1.065) 20 (787) 10 (.394)	SCHEMATIC CHART  ACC N.R.  SCHEMATIC CHART  ACC N.R.  T. [276]  7 [276]	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 [1083] -20 [1087] -20 [1087] -20 [1087] -20 [1087] -20 [1087] -20 [1087] -20 [1087] -20 [1087]	24 [.945*] 10.6 1.5 [.136*] SCHEMATIC CHART 460	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
	27 [1.665] 20 [7.677] 10 [394]	24 [.945"]  SCHEMATIC CHART  SCHEMATIC CHART  SCHEMATIC CHART  SACO  SACO  TO  T  T  T  T  T  T  T  T  T  T  T	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 [1043*] -20 [125*] -20 [25*] -20 [25*]	24 [.945*] 10.6 4.5 [.177*] SCHEMATIC CHART 4.5 [.777*] 400 0 3 0 2 0 1 0 1 0 0 6	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
	27 [1.0637] 20 [7877] 10 [.3947]	24 [.945]   SCHEMATIC CHART   45 [.177]   SCHEMATIC CHART   4605   0.5   0.2   0.1   0.0   7 [.276]   7   7   7   7   7   7   7   7   7   7   7	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK

## AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.083] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287]	24 [945*] 10.6 SCHEMATIC CHART  ACC MR  OR  OR  OR  OR  OR  OR  T [276*]	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 [.7877] [.887] [.887] [.887] [.887] [.887] [.887]	SCHEMATIC CHART  AGG	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 [1.063] -20 [207] -20 [207]	24 [345]   10.6   SOMMATIC CHART   3.5 [138]   3.5 [13	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 [7.07] 20 [7.07] 10 [394]	24 [945] 35 [1387] SCHEMATIC CHART AGG MR OS OS OR OT	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 [1.083] -20 [287] -20 [287] -20 [287] -20 [287] -20 [287]	24 [946*]   10.6 A.5 [1777]   4177]   SCHEMATIC CHART A.5 [1777]   4CS   XLR   CS   CS   CS   CS   CS   CS   CS   CS	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 [7.97] 10 [.394*]	24 [ [ 946"]   SCHEMATIC CHART   4.5 [ 177"]   SCHEMATIC CHART   4.5 [ 177"]   ACC   M.R.   C.   C.   C.   C.   C.   C.   C.	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
	27 [1083] -20 [207] -20 [207]	24 [945"]   10.6   SCHEMATIC CHART   ACK   XLE   CONTROL   CONTROL	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	27 (1.065) 27 (1.065) 1 (1.065)	24 [940*]  SCHEMATIC CHART  ACK  SLR  O S  O C  O C  O C  O C  O C  O C  O C	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

## AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount

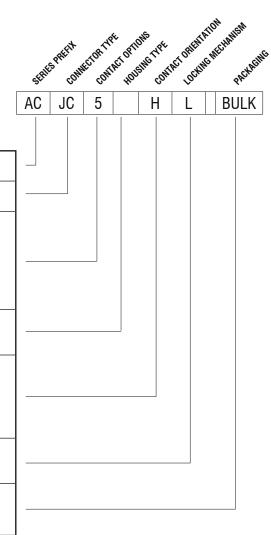
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1065] -27 [1065] -20 [1087] -20 [10	24 [945]   10.6   SCHEMATIC CHART   40.5   3.8   0.2	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
60	27 [1.063] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07] -20 [7.07]	24 [.945]  55 [.138]  50:EMATIC CHART  40:S  0 : 5  0 : 7  1 (.276*)  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 [1063] -20 [1087] -20 [207] -20 [207]	24 [.945]   10.6   SCHMATIC CHART   465   1777   465   318	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
30	27 [1.063] 27 [1.063] 20 [7.07] 10 [394]	24 [345] SOIEMATIC CHART 45 [177] SOIEMATIC CHART 402 XE 05 0 5 05 0 5 07 0	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
	27 [1065] -20 [207] -20 [207]	24 [.945*] 10.6   SCHEMATIC CHART   SCHEMATIC CH	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
	27 [1.063] -20 [1.063] -20 [1.07] -20 [	SOMEMATIC CHART  SOMEMATIC CHART  ACC  SIN  O S  O S  O S  O S  O S  O S  O S  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 [1063] -20 [1087] -20 [207] -20 [207]	24 [.945]   10.6	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] 27 [1.063] 20 [7.07] 10 [394]	24 [.945]  SGHEMATIC CHART  402 318  O 3  O 3  O 3  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, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10VL BULK

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
10	27 [1.055] -20 [.787] -20 [.	24 [.945"] 10.6 4.5 [.177"] 30.6 A.5 [.177"] 40.6 A.5 [.177"] 40.6 A.5 [.177"] 50.6 A.5 [.177"] 50.6 A.5 [.177"] 60.6 A.5 [.177"] 60.6 A.5 [.177"] 60.6 A.5 [.177"] 70.6 A.5 [.177"] 7	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
	27 (1.065*) -20 (7.07*) -20 (	24 [945]  4.5 [177]  SCHEMATIC CHART  4.0   3.0	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

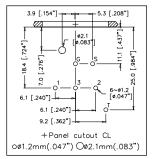
## AC SERIES THERMOPLASTIC C TYPE

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

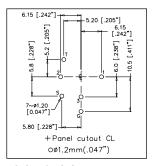
SERIES PREFIX	AC	=	Series Prefix
CONNECTOR TYPE	JC	=	Jack / Connector XLR
CONTACT OPTIONS	5 6 9 10	= = = =	Mono, Non Switching, XLR Grounded Stereo, Non Switching, XLR Grounded Stereo, Switching, XLR Grounded Stereo, Switching, XLR with Ground Switch
HOUSING TYPE	Blank A	= =	otandard .
CONTACT TYPE	V V2 H S	= = = =	Vertical Printed Circuit Board (24mm)
LOCKING MECHANISM	Blank L	= =	Latching Latchless
PACKAGING	Blank BULK PRD		Individual Bags Bulk Packed Disassembled push lever



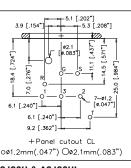
# **AC SERIES C TYPE SERIES**



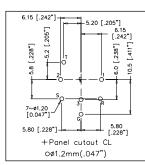
**ACJC5H & ACJC5HL** 



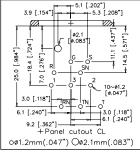
**ACJC5V & ACJC5VL** 



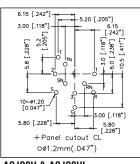
ACJC6H & ACJC6HL



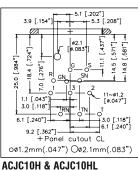
**ACJC6V & ACJC6VL** 

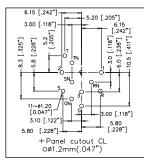


ACJC9H & ACJC9HL

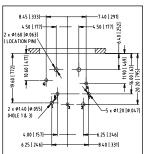


**ACJC9V & ACJC9VL** 

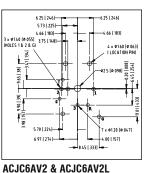


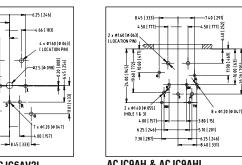


ACJC10V & ACJC10VL

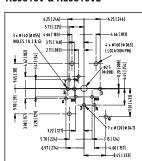


**ACJC6AH & ACJC6AHL** 

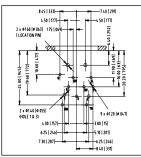




ACJC9AH & ACJC9AHL



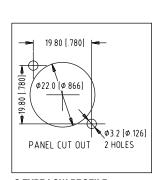
ACJC9AV2 & ACJC9AV2L



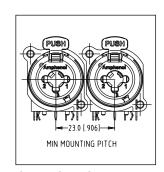
ACJC10AH & ACJC10AHL



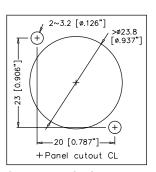
ACJC10AV2 & ACJC10AV2L



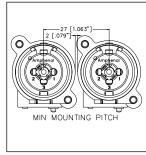
**C TYPE LOW PROFILE** PANEL CUTOUT



**C TYPE LOW PROFILE** MOUNTING PITCH



**C TYPE PANEL CUTOUT** 



**C TYPE MOUNTING PITCH** 

# STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VAI	LUE	
		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 9	94HB	
	Environmental	Complies with EU RoHS	2 Directive 2011/65/EU	
ELECTRICAL Characteristics	Service Voltage RMS	50	OV	
CHARACIERISIICS	Test Voltage AC RMS	150	00V	
	Current carrying capacity	7.	5A	
	Typical Contact Resistance	≤50	mΩ	
	Insulation Resistance (initial)	> 0.	5GΩ	
	Insulation Resistance (after damp heat test)	> 0.1	2GΩ	
CLIMATIC	Protection Class	IP	40	
CHARACTERISTICS	Operating Temperature	-25°C to	) +70°C	
MECHANICAL Characteristics	Weight**	9.2g (0.02lb)	14g (0.030lb)	
CHARACIERISIICS	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 reinforced, UL94HB	
	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	Nicke	el Plated	
	Ground element	Nickel Plated	Silver over Copper plated	

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

<sup>\*\*\*</sup>Refer to Page 152

## **G-Type Miniature XLR Connectors**



# **G-TYPE MINIATURE XLR CONNECTORS**

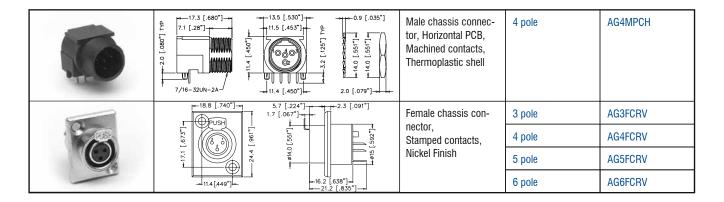
#### Features:

- Miniature version of the standard XLR series
- Diecast or Precision machined metal housings
- Metal cable clamp
- Precision machined pin contacts
- Stamped socket contacts
- Solder cup or Printed Circuit board contacts
- Available in 3, 4, 5 or 6 contacts
- Postive latchlock
- Flexible cable grommet

Part Number Breakdown: Page 67 **Specifications: Page 68** PCB Footprints: Page 69 Panel Cutouts: Page 69

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	1			3 pole	AG3M
	ø10.5 [.413*]		Machined contacts, Nickel Finish	4 pole	AG4M
	<u> </u>			5 pole	AG5M
	ļ <del>a</del>	—52 [2.055*]——⊶		6 pole	AG6M
			Female cable con-	3 pole	AG3F
Ca.	#10.5 [.413*]		nector, Stamped contacts,	4 pole	AG4F
		40.5 [1.596"]	Nickel Finish	5 pole	AG5F
	-	49 [1,910"]———		6 pole	AG6F
	9 [.33	6 [1.398"]————————————————————————————————————	Female cable connec-	3 pole	AG3FL
9	012.9 [.508*]		tor with locking ring, Stamped contacts,	4 pole	AG4FL
	912.9		Nickel Finish.	5 pole	AG5FL
	49 [1.929"]—			6 pole	AG6FL
	1.0 [.039"]————————————————————————————————————	Male chassis	3 pole	AG3MCC	
1016	/16"-32		connector, Machined contacts, Nickel Finish	4 pole	AG4MCC
	7/16			5 pole	AG5MCC
	2.0 [.079"]	17.8 [.701"]→ T 3 pole—		6 pole	AG6MCC
	22.1 [.870"]	1.0 2.0 [.079"]	Female chassis connector, Stamped contacts, Nickel Finish	3 pole	AG3FCE
		PUSH   1.25 F. 7.25 F.		4 pole	AG4FCE
	16.5 [.650].	-18.5 [.786]		5 pole	AG5FCE
	8.6 [.337"]	4 [.333"]		6 pole	AG6FCE
	26.8 [1.056*]	15.5 [.610"]	Male chassis	3 pole	AG3MCCH
	[:098-]	3.9 [.1547] TYP	connector, Horizontal PCB,	4 pole	AG4MCCH
	2.5	15.2	Machined contacts, Nickel Finish	5 pole	AG5MCCH
	19.9 [.785*]	2.0 [.079"]		6 pole	AG6MCCH
72	28.3 [1.114"] 2.5 [.098"]—	1.0 [.079*]	Female chassis connector,	3 pole	AG3FCCH
		8.4 [.333*] PUSH		4 pole	AG4FCCH
	-146 [575]-	-18.1 [.71]	Horizontal PCB, Stamped contacts, Nickel Finish	5 pole	AG5FCCH
		2.0		6 pole	AG6FCCH

### **G-Type Miniature XLR Connectors**

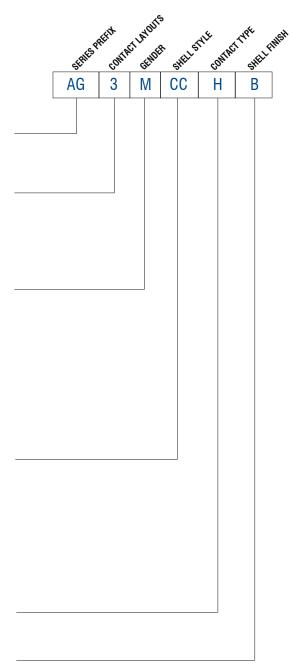


# PART NUMBER BREAKDOWN

**G TYPE CONNECTORS** 

E. G. AG3MCCHB
AG (Series Prefix), 3 contacts, Male, Chassis Connector, Horizontal PCB Contacts,

SERIES PREFIX	AG	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6	=	6 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
	Blank	=	Cable Connector Standard (Male or Female)
SHELL STYLE	J	=	Cable Connector Large Cable clamp / boot O.D (Male or Female)
	L	=	Cable Connector with locking ring (Female)
	LL	=	Latchless (Chassis Connector)
	CC	=	Chassis Connector Circular Metal (Male)
	CE	=	Rear Mount (Chassis Connector)
	CM	=	Mid Mount (Chassis Connector)
	CR	=	Chassis Connector Rectangular Metal (Female)
	PC	=	Chassis Connector Plastic (Male)
	Blank	=	Solder Buckets (All styles except PC, CR)
CONTACT TYPE	Н	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
	Blank	=	Nickel Plated Finish
SHELL FINISH	В	=	Black Finish



# **STANDARD DATA G TYPE**

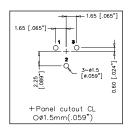
			VALUE			
GENERAL	Number of Contacts		3	4	5	6
CHARACTERISTICS	Termination		Printed Circuit Board (PCB) or Solder Bucket			
	Max. Wire Gauge - Stranded Wire		AWG 24 - 0.2mm <sup>2</sup> AWG			AWG 28 - 0.08mm <sup>2</sup>
	Flammability		UL94V-HB			
	Environmental		Complies with EU RoHS 2 Directive 2011/65/EU			
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity		5A	5A	4A	1.2A
	Typical Contact Resistance		≤10mΩ			
	Insulation resistance (initial) After Damp Heat Test		≥510MΩ ≥10MΩ			
	Dielectric Strength		1000 V dc			250 V dc
CLIMATIC CHARACTERISTICS	Protection Class		IP00			
	Operating Temperature		-30°C to +80°C (-20F - +176F)			
MECHANICAL Characteristics	Insertion Spring Separating Force		≥20N			
	Cable O.D.	Standard	2mm to 3.5mm (0.078" to 0.137")			
		Large clamp / boot (Option "J")	3mm to 5mm (0.118" to 0.196")			
	Mechanical Operations		5000 mating cycles			2000 mating cycles
	Weight		13.5g (0.029lb)			
MATERIALS	Connector Shell		Bronze & Zinc			
	Connector Shell Finish		Nickel Plated			
	Insulators		PPS - Black			
	Male Contact		Material - Brass C3604 Plating - Gold over Silver Plated			
	Female Contact		Material - Brass C5210P Plating - Gold over Silver Plated			
	Latch Lock and Spring		SUS (AISI - 301) - Nickel Plated			
	Adaptor		PPS - Black			
	Cable Clamp		Bronze - Nickel Plated			
	Boot/Backshell		ABS - Black			
	Grommet		PU - Black			

<sup>&</sup>lt;sup>1)</sup>Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes. Not suitable for voltages over 50V.

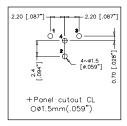
#### **G-Type Miniature XLR Connectors**

## **PANEL CUTOUTS**

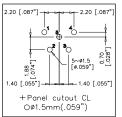
## - CONNECTOR SIDE OF PCB



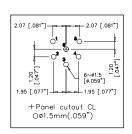
AG3MCC



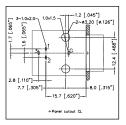
AG4MCC



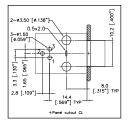
AG5MCC



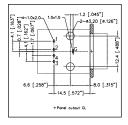
AG6MCC



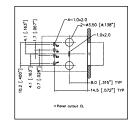
AG3FCCH



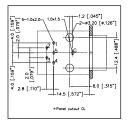
AG3MCCH



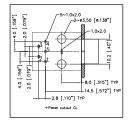
AG4FCCH



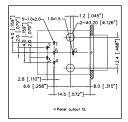
AG4MCCH



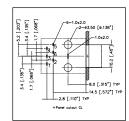
AG5FCCH



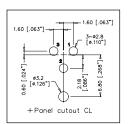
AG5MCCH



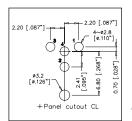
AG6FCCH



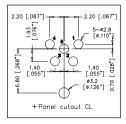
AG6MCCH



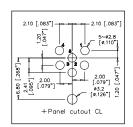
AG3FCRV



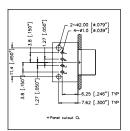
AG4FCRV



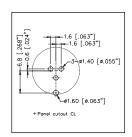
AG5FCRV



AG6FCRV

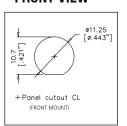


AG4MPCH

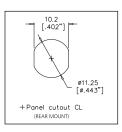


AG3FCE

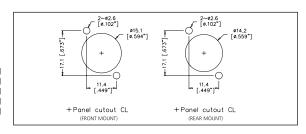
# PANEL CUTOUTS - FRONT VIEW



AG3MCC AG4MCC AG5MCC AG6MCC



AG3MCCH AG4MCCH AG5MCCH AG6MCCH AG4MPCH



AG3FCRV AG4FCRV AG5FCRV AG6FCRV