

XLR 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 O.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.

AX SERIES XLR CABLE CONNECTORS

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

XLR Connectors

AX Series XLR Cable Connectors



Features:

- 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.

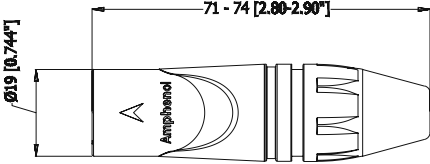
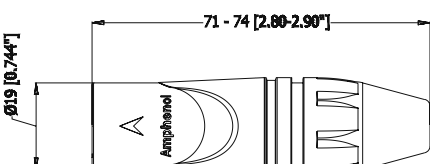
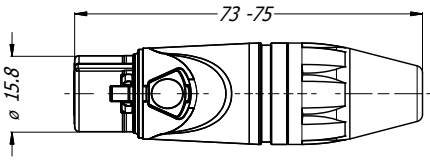
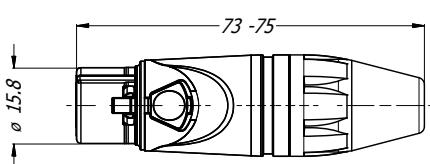
Options:

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

Part Number Breakdown: Page 7

Specifications: Page 10

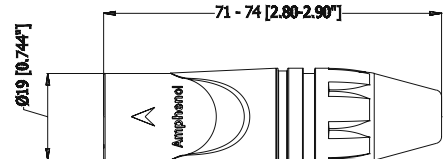
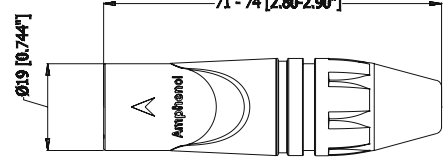
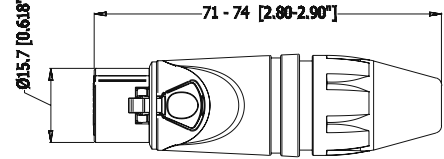
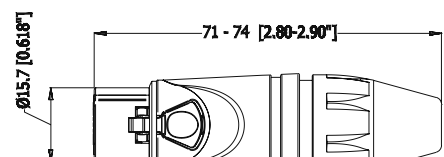
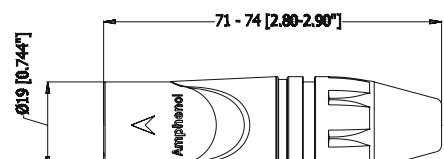
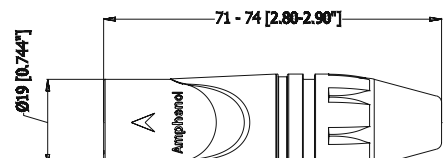
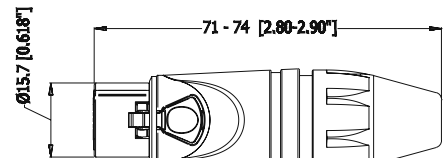
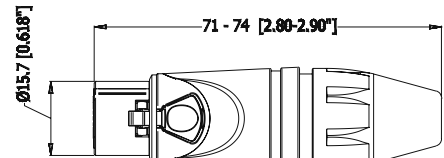
Assembly Instructions: Page 8 & 9

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 3 pole male Machined contacts Nickel Finish	Standard	AX3M
				Bulk Pack	AX3M BULK
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 3 pole male Machined contacts Black Finish	Standard	AX3MB
				Gold Plated Contacts	AX3MB-AU
				Bulk Pack	AX3MB BULK
		73 - 75 Ø 15.8	XLR 3 pole female Stamped contacts Nickel Finish	Standard	AXX3F
				Bulk Pack	AXX3F BULK
		73 - 75 Ø 15.8	XLR 3 pole female Stamped contacts Nickel Finish	Standard	AXX3FB
				Gold Plated Contacts	AXX3FB-AU
				Bulk Pack	AXX3FB BULK

*PI538 is available for download at www.amphenolaudio.com

XLR Connectors

AX Series XLR Cable Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 4 pole male Machined contacts Nickel Finish	Standard	AX4M
				Bulk Pack	AX4M BULK
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 4 pole male Machined contacts Black Finish	Standard	AX4MB
				Gold Plated Contacts	AX4MB-AU
				Bulk Pack	AX4MB BULK
		71 - 74 [2.80-2.90"] Ø15.7 [0.618"]	XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
				Bulk Pack	AX4F BULK
		71 - 74 [2.80-2.90"] Ø15.7 [0.618"]	XLR 4 pole female Machined contacts Black Finish	Standard	AX4FB
				Gold Plated Contacts	AX4FB-AU
				Bulk Pack	AX4FB BULK
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 5 pole male Machined contacts Nickel Finish	Standard	AX5M
				Bulk Pack	AX5M BULK
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 5 pole male Machined contacts Black Finish	Standard	AX5MB
				Gold Plated Contacts	AX5MB-AU
				Bulk Pack	AX5MB BULK
		71 - 74 [2.80-2.90"] Ø15.7 [0.618"]	XLR 5 pole female Machined contacts Nickel Finish	Standard	AX5F
				Bulk Pack	AX5F BULK
		71 - 74 [2.80-2.90"] Ø15.7 [0.618"]	XLR 5 pole female Machined contacts Black Finish	Standard	AX5FB
				Gold Plated Contacts	AX5FB-AU
				Bulk Pack	AX5FB BULK

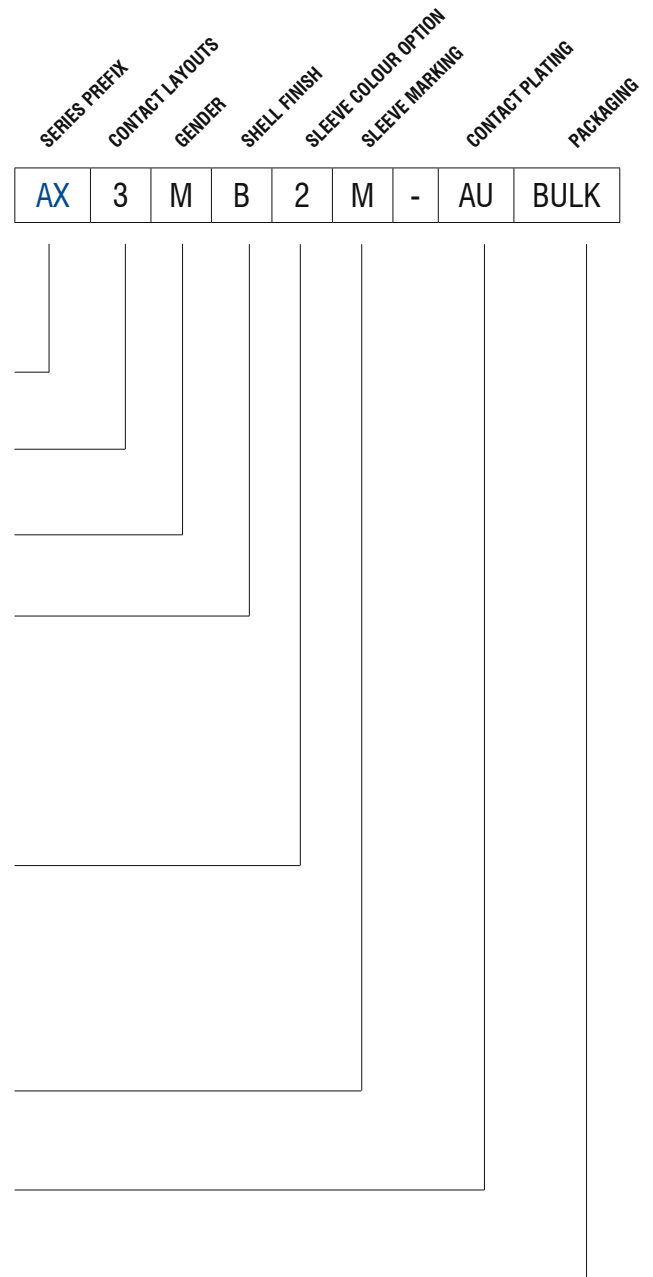
PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

E. G. **AX3MB2M-AU BULK**

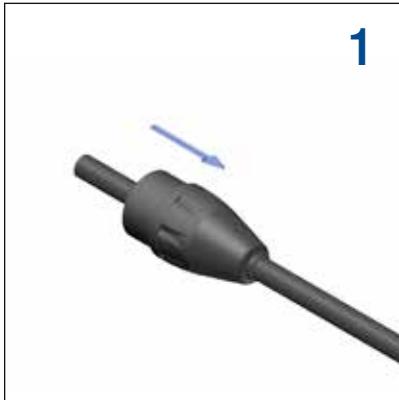
AX (Series Prefix), **3** contacts, **Male**, **Black** Finish,
2 (Red Sleeve) **M** (Sleeve Marking) - **AU** (Gold Plated Contacts), **Bulk** Packaged.

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
	B	=	Black Finish
SLEEVE COLOUR OPTION	Blank	=	Black
	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
SLEEVE MARKING	Blank	=	Standard Sleeve
	OM	=	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

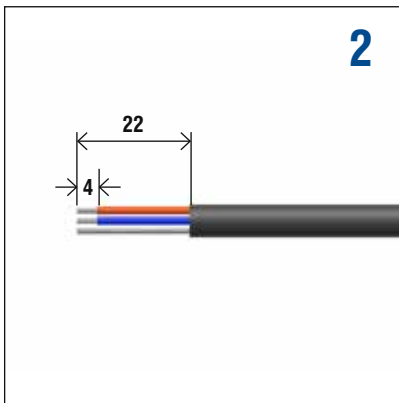


XLR Connectors

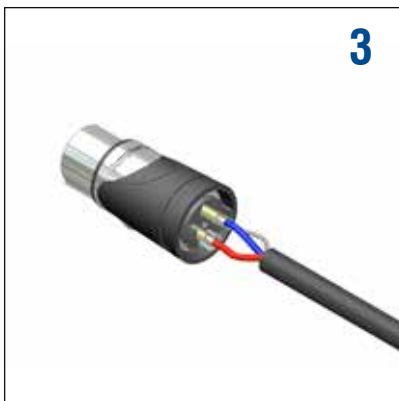
AX Series XLR Cable Connectors



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.



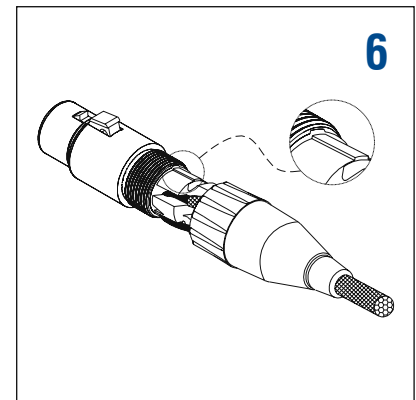
Install the cable clamp, flush to the insert making sure to align the top slot with the spring. Then push the insert & cable clamp together into the shell.



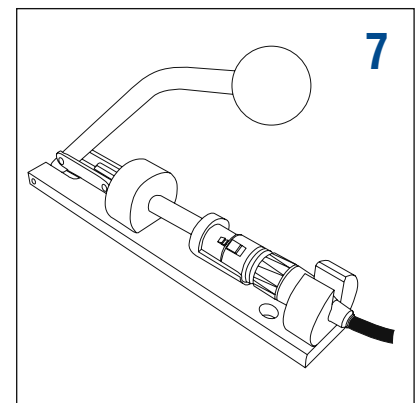
Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

PI539 ASSEMBLY INSTRUCTIONS

AX SERIES FEMALE XLR CABLE CONNECTOR



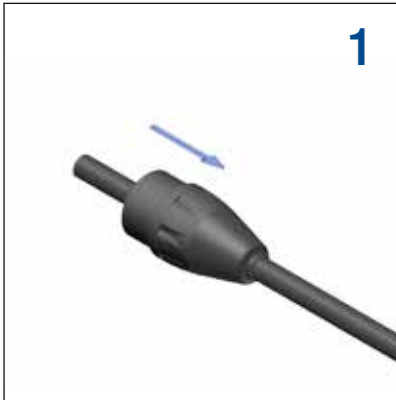
Close the cable clamp slightly and push the boot over the clamp ensuring the wires fit inside the boot.



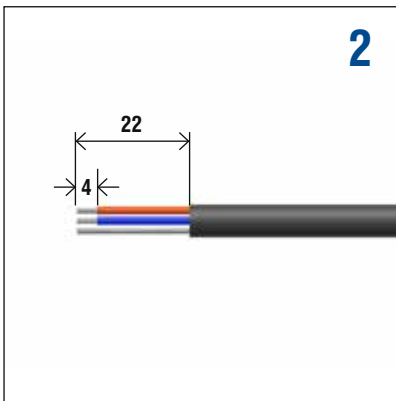
Final assembly can be achieved either by manually screwing the boot on, or by using an Amphenol Australia T2860 termination tool.

PI538 ASSEMBLY INSTRUCTIONS

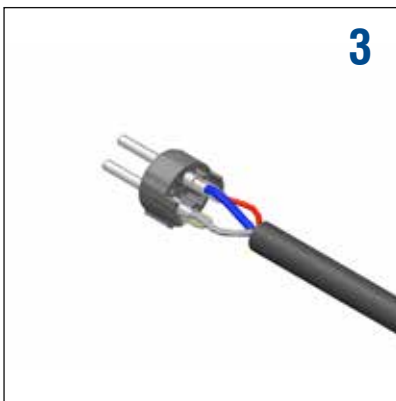
AX SERIES MALE XLR
CABLE CONNECTOR



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.

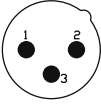
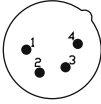
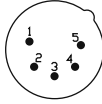


Align the key of the insert with the keyway on the shell then push the pin insert & cable clamp together in the shell.



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 CHARACTERISTICS	Number of contacts	3	4	5
	AX Series Contact Arrangements (Front view of pin inserts)			
	Termination	SOLDER		
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG
	Flammability rating of insulator plastics and housings	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾		
	Test Voltage AC RMS	1400V		
	Current carrying capacity: Solder	15A	10A	7.5A
	Typical Contact Resistance	≤3m Ω		
	Insulation Resistance	≥1G Ω		
CLIMATIC CHARACTERISTICS	Protection Class	IP40		
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)		
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force	≥10N - ≤30N		
	Weight ²⁾	31g (0.068lb)	33g (0.073lb)	33g (0.073lb)
	Typical Cable retention force	22Kg to 44Kg (50lb to 100lb) - Dependent on cable 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 Filled		
	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)		

¹⁾ Not suitable for domestic applications above 50V

²⁾ 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 O.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 O.D 6.5mm to 8mm (0.255" to 0.314")

Ordering Codes

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XLR Connectors

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
			XLR 3 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC3MM
				Bulk Pack	AC3MM BULK
			XLR 3 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC3MMB
				Gold Plated Contacts	AC3MMB-AU
				Bulk Pack	AC3MMB BULK
			XLR 3 pole male, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3M
				Large Cable Clamp	AC3MJ
				Bulk Pack	AC3M BULK
			XLR 3 pole male, Stamped contacts, Black Finish, Jaws cable clamp	Standard	AC3MB
				Gold Plated Contacts	AC3MB-AU
				Large Cable Clamp	AC3MBJ
				Bulk Pack	AC3MB BULK
			XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3F
				Large Cable Clamp	AC3FJ
				Bulk Pack	AC3F BULK
			XLR 3 pole female, Stamped contacts, Black Finish, Jaws cable clamp	Standard	AC3FB
				Gold Plated Contacts	AC3FB-AU
				Large Cable Clamp	AC3FBJ
				Bulk Pack	AC3FB BULK

XLR Connectors

AC Series XLR Cable Connectors

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4M
			Large Cable Clamp	AC4MJ
			Bulk Pack	AC4M BULK
		XLR 4 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC4MB
			Gold Plated Contacts	AC4MB-AU
			Large Cable Clamp	AC4MBJ
		XLR 4 pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4F
			Large Cable Clamp	AC4FJ
			Bulk Pack	AC4F BULK
		XLR 4 pole female, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC4FB
			Gold Plated Contacts	AC4FB-AU
			Large Cable Clamp	AC4FBJ
		XLR 5 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5M
			Large Cable Clamp	AC5MJ
			Bulk Pack	AC5M BULK
		XLR 5 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC5MB
			Gold Plated Contacts	AC5MB-AU
			Large Cable Clamp	AC5MBJ
		XLR 5 pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5F
			Large Cable Clamp	AC5FJ
			Bulk Pack	AC5F BULK
		XLR 5 pole female, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC5FB
			Gold Plated Contacts	AC5FB-AU
			Large Cable Clamp	AC5FBJ
		XLR 5 pole female, Machined contacts, Black Finish, Jaws cable clamp	Bulk Pack	AC5FB BULK

XLR Connectors

AC Series XLR Cable Connectors

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 6A pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AM
			Large Cable Clamp	AC6AMJ
			Bulk Pack	AC6AM BULK
		XLR 6A pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC6AMB
			Gold Plated Contacts	AC6AMB-AU
			Large Cable Clamp	AC6AMBJ
		XLR 6A pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AF
			Large Cable Clamp	AC6AFJ
			Bulk Pack	AC6AF BULK
		XLR 6A pole female, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC6AFB
			Gold Plated Contacts	AC6AFB-AU
			Large Cable Clamp	AC6AFBJ
		XLR 7 pole male, Gold plated Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC7M
			Large Cable Clamp	AC7MJ
			Bulk Pack	AC7M BULK
		XLR 7 pole male, Gold plated Machined contacts, Black Finish, Jaws cable clamp	Standard	AC7MB
			Large Cable Clamp	AC7MBJ
			Bulk Pack	AC7MB BULK
		XLR 7 pole female, Gold plated Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC7F
			Large Cable Clamp	AC7FJ
			Bulk Pack	AC7F BULK
		XLR 7 pole female, Gold plated Machined contacts, Black Finish, Jaws cable clamp	Standard	AC7FB
			Large Cable Clamp	AC7FBJ
			Bulk Pack	AC7FB BULK

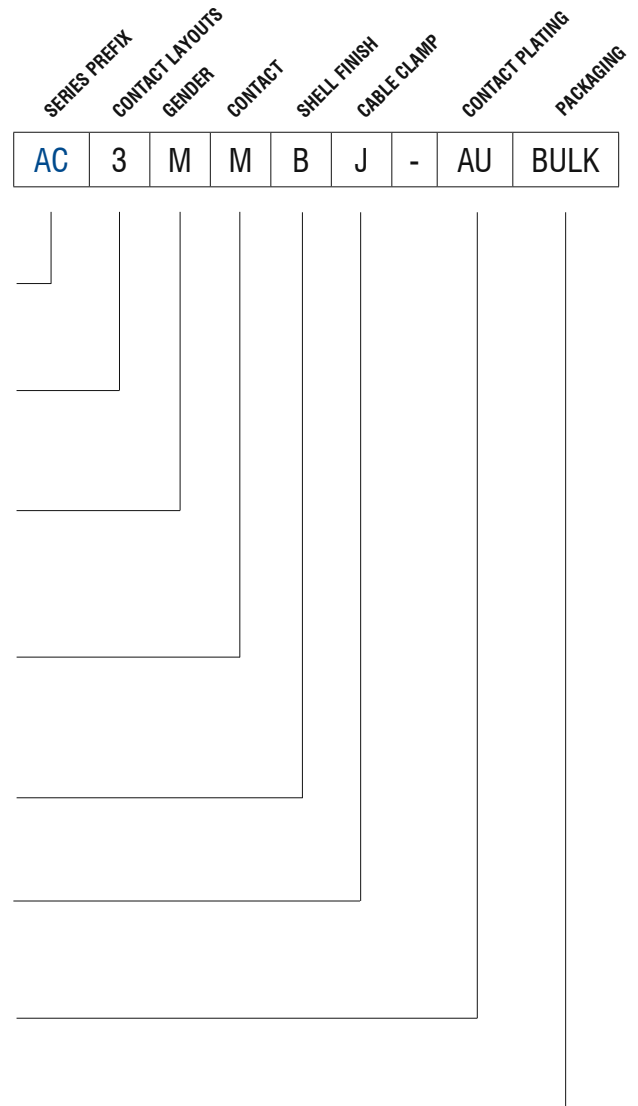
PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

E. G. **AC3MMBJ-AU BULK**

AC (Series Prefix), **3** contacts, **Male**, **M**achined Contacts, **B**lack 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
CONTACT¹	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 FINISH²	Blank	=	Nickel Plated Finish
	B	=	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 PLATING³	Blank	=	Standard Plating (Silver or Tin) (Refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



Note:

¹ 4 - 7 contact connectors have machined contacts and grounding as standard.

² Ground contacts are not supplied with the black polyester finish shell option.

³ 7 Contact is gold plated as standard.

⁴ 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

XLR Connectors

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.)

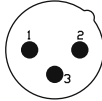
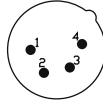
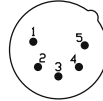
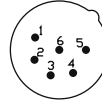
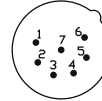
Options: Gold Plated Contacts, Stamped Contacts (3 Contact only), Bulk Pack, Coloured Boots / Backshells
3, 4, 5, 6A and 7 Contacts.

Specifications: [Page 17](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, Machined contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MMCP
				Bulk Pack	AC3MMCP BULK
			XLR 3 pole male, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MCP
				Bulk Pack	AC3MCP BULK
			XLR 3 pole female, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3FCP
				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

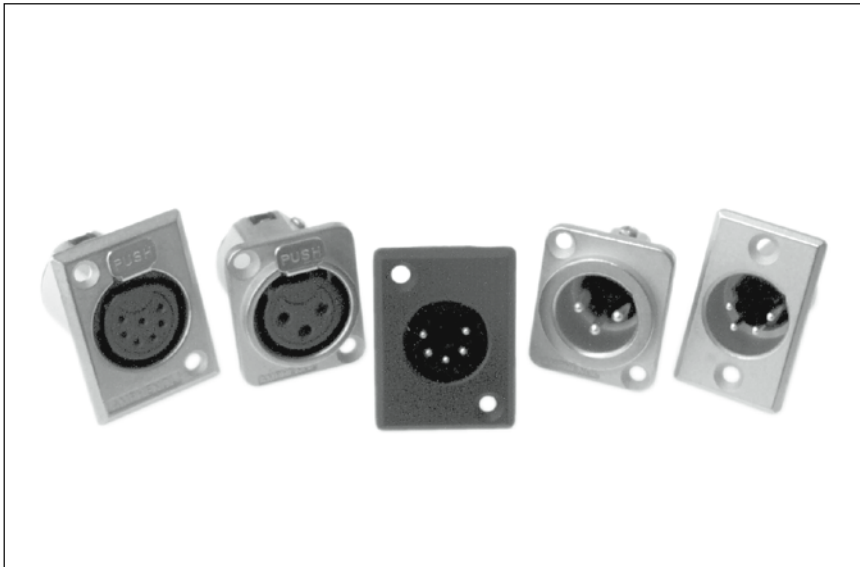
			VALUE				
GENERAL CHARACTERISTICS	Number of contacts		3	4	5	6A	7
	AC Series Contact Arrangements (Front view of pin inserts)						
	Termination		SOLDER				
	Max. Wire Gauge - Stranded wire: Solder		14AWG	16AWG	18AWG		20AWG
	Flammability rating (insulator plastics & housings)		UL94V-0				
	Environmental		Complies with EU RoHS 2 Directive 2011/65/EU				
ELECTRICAL CHARACTERISTICS	Service Voltage RMS		133V ¹				
	Test Voltage AC RMS		1400V				
	Current carrying capacity: Solder		15A	10A	7.5A		5A
	Typical Contact Resistance		≤3mΩ				
	Insulation Resistance		≥1GΩ				
CLIMATIC CHARACTERISTICS	Protection Class		IP40				
	Operating Temperature		-25°C to +75°C (-13°F to +167°F)				
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force		≥10N - ≤30N				
	Weight - Metal ²		36g (0.080lb)	37g (0.081lb)	38g (0.083lb)		
	Weight - Thermoplastic ²		18g (0.039lb)	19g (0.041lb)	20g (0.044lb)		
	Typical Cable retention force		22Kg to 44Kg (50lb to 100lb) - Dependent on cable material and diameter.				
	Cable O.D. range - JAWS clamp	Standard Large	3mm to 6.5mm (0.118" to 0.255") 6.5mm to 8mm (0.255" to 0.314")				
	Mechanical Operations		1000 mating cycles				
	MATERIALS	Connector shell - Metal Shell finish		Diecast Zinc Alloy Satin nickel or Black polyester			
Connector shell - Thermoplastic Shell finish		Thermoplastic, UL94V-0 Modified PPE Resin Black					
Insulators		UL94V-0 PBT Resin or Modified PPE Resin					
Boot / Backshell Finish		UL94V-0 Modified PPE Resin or Machined Brass 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 / Silver or Gold (Optional) Brass / Silver or Gold (Optional)				
Female Contact (Solder / Plating)		Stamped Machined	Phosphor Bronze / Tin or Gold (Optional) Brass / Silver or Gold (Optional)				

¹⁾ Not suitable for domestic applications above 50V

²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

XLR Connectors

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.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

XLR Connectors

AC/AX Series XLR Metal Chassis Mount Connectors



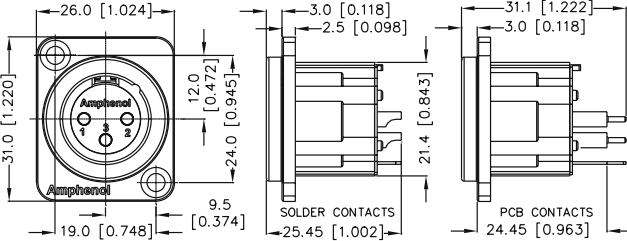
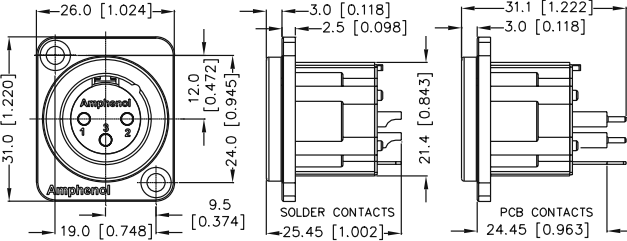
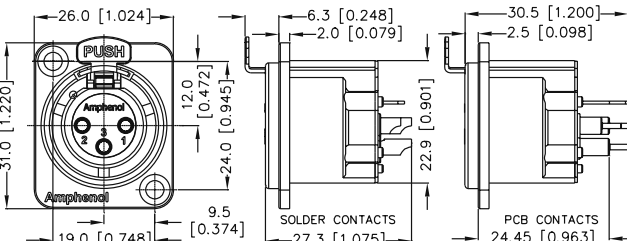
Features:

- 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.

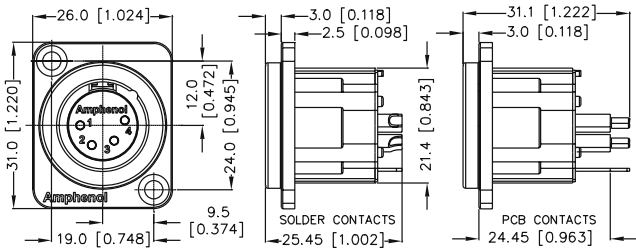
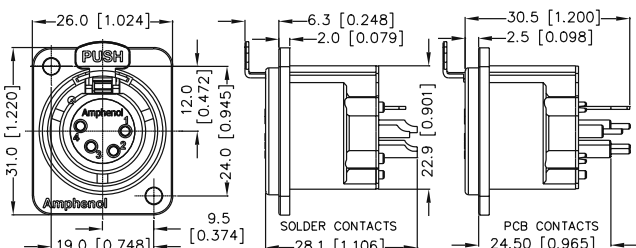
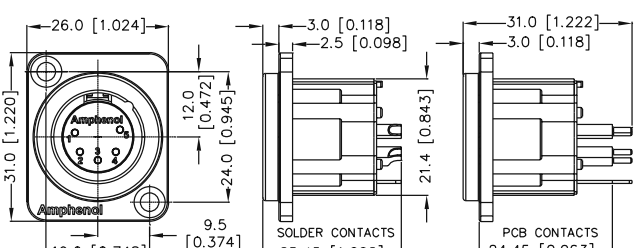
Part Number Breakdown: [Page 22](#)

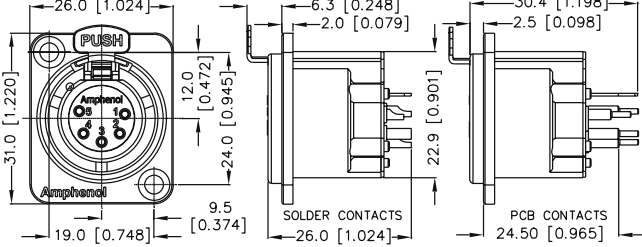
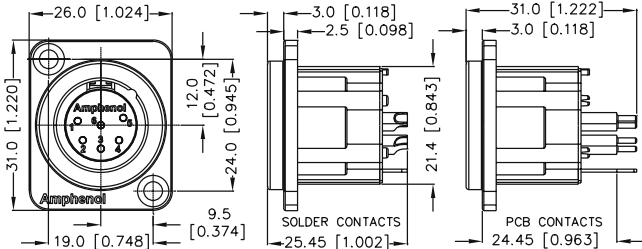
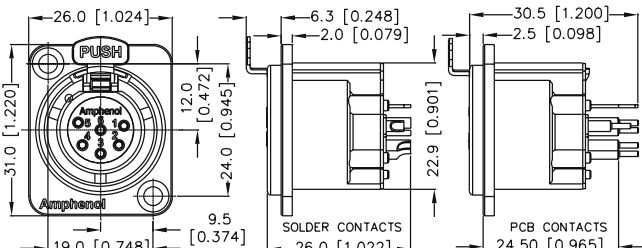
Specifications: [Page 28](#)

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
		XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AX3MD
			M3 Threaded Holes	AX3MD-M3
			Vertical PCB	AX3MDV
			M3 Threaded Holes	AX3MDV-M3
		XLR 3 pole male, D Flange, Machined contacts, Black Finish	Standard	AX3MDB
			M3 Threaded Holes	AX3MDB-M3
			Gold Plated Contacts	AX3MDB-AU
			Vertical PCB	AX3MDVB
		XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AX3FD
			M3 Threaded Holes	AX3FD-M3
		XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Standard	AX3FDB
			M3 Threaded Holes	AX3FDB-M3
			Gold Plated Contacts	AX3FDB-AU

XLR Connectors

AC/AX Series XLR Metal Chassis Mount Connectors

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
		XLR 4 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AX4MD
			M3 Threaded Holes	AX4MD-M3
			Vertical PCB	AX4MDV
			M3 Threaded Holes	AX4MDV-M3
		XLR 4 pole male, D Flange, Machined contacts, Black Finish	Standard	AX4MDB
			Gold Plated Contacts	AX4MDB-AU
			Vertical PCB	AX4MDVB
		XLR 4 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AX4FD
			M3 Threaded Holes	AX4FD-M3
			Vertical PCB	AX4FDV
			M3 Threaded Holes	AX4FDV-M3
		XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AX4FDB
			Gold Plated Contacts	AX4FDB-AU
			Vertical PCB	AX4FDVB
		XLR 5 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AX5MD
			M3 Threaded Holes	AX5MD-M3
			Vertical PCB	AX5MDV
			M3 Threaded Holes	AX5MDV-M3
		XLR 5 pole male, D Flange, Machined contacts, Black Finish	Standard	AX5MDB
			Gold Plated Contacts	AX5MDB-AU
			Vertical PCB	AX5MDVB

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
		XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AX5FD
			M3 Threaded Holes	AX5FD-M3
			Vertical PCB	AX5FDV
			M3 Threaded Holes	AX5FDV-M3
		XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AX4FDB
			Gold Plated Contacts	AX4FDB-AU
			Vertical PCB	AX4FDVB
		XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AX6AMD
			M3 Threaded Holes	AX6AMD-M3
			Vertical PCB	AX6AMDV
			M3 Threaded Holes	AX6AMDV-M3
		XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AX6AMDB
			Gold Plated Contacts	AX6AMDB-AU
			Vertical PCB	AX6AMDVB
		XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AX6AFD
			M3 Threaded Holes	AX6AFD-M3
			Vertical PCB	AX6AFDV
			M3 Threaded Holes	AX6AFDV-M3
		XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard	AX6AFDB
			Gold Plated Contacts	AX6AFDB-AU
			Vertical PCB	AX6AFDVB

XLR Connectors

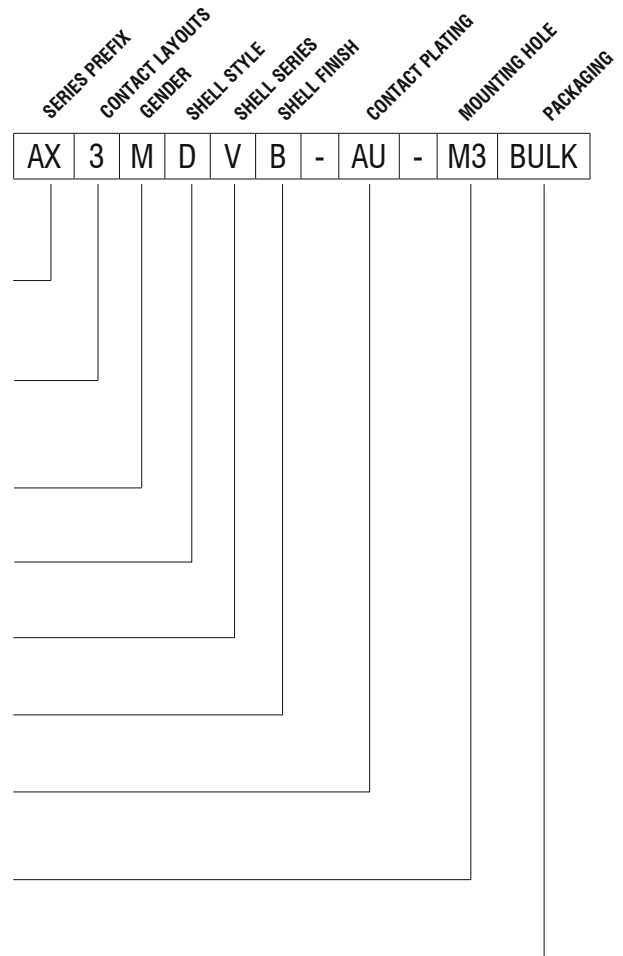
AC/AX Series XLR Metal Chassis Mount Connectors

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
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL STYLE	D	=	Small Flange (front or rear mounting)
SHELL SERIES	Blank	=	Solder Bucket
	V	=	Vertical PCB Contact
SHELL FINISH¹	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING²	Blank	=	Standard Plating
	AU	=	Gold Plated
MOUNTING HOLES	Blank	=	Through Holes
	M3	=	M3 Threaded Holes
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



Note:

¹ Ground contacts are not supplied with the black polyester finish shell option.

³ Non-Latching Versions (Female) available - Please contact us for part number options.

XLR Connectors

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](#)

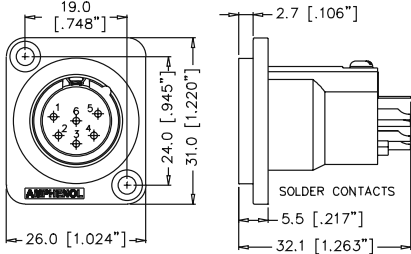
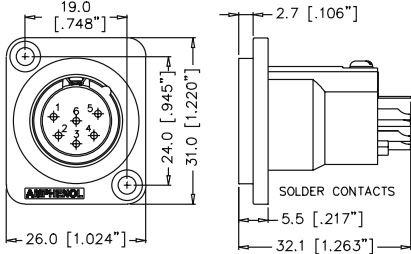
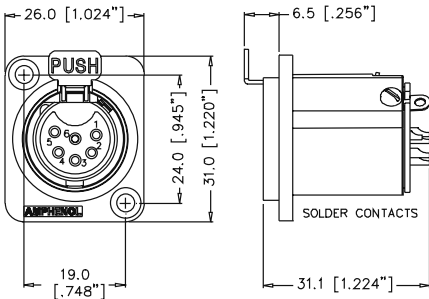
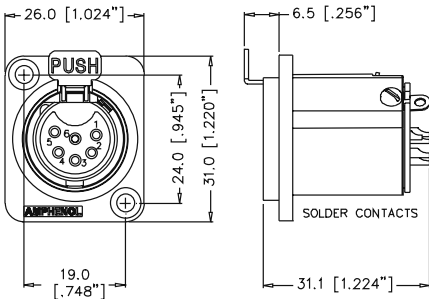
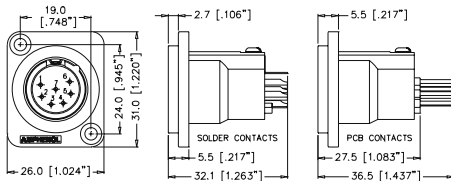
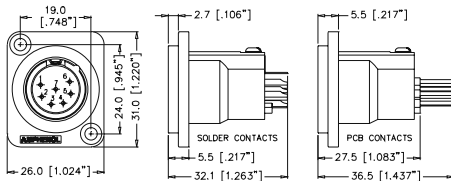
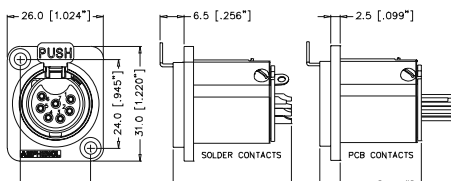
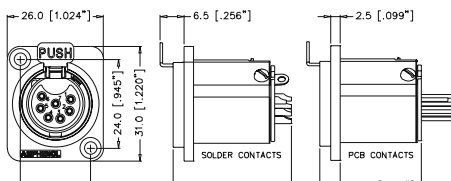
Panel Cutouts: [Page 29](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC3MMDZ
			XLR 3 pole male, D Flange, Machined contacts, Black Finish	Bulk Pack	AC3MMDZ BULK
			XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ
			XLR 3 pole male, D Flange, Stamped contacts, Black Finish	Bulk Pack	AC3MDZ BULK
			XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZ
			XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Bulk Pack	AC3FDZ BULK
			XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZB
			XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Bulk Pack	AC3FDZB BULK
			XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZB
			XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Bulk Pack	AC3FDZB BULK

XLR Connectors

AC/AX Series XLR Metal Chassis Mount Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 4 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC4MDZ
				Bulk Pack	AC4MDZ BULK
			XLR 4 pole male, D Flange, Machined contacts, Black Finish	Standard	AC4MDZB
				Gold Plated Contacts	AC4MDZB-AU
			XLR 4 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC4FDZ
				Bulk Pack	AC4FDZ BULK
			XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AC4FDZB
				Gold Plated Contacts	AC4FDZB-AU
			XLR 5 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC5MDZ
				Bulk Pack	AC5MDZ BULK
			XLR 5 pole male, D Flange, Machined contacts, Black Finish	Standard	AC5MDZB
				Gold Plated Contacts	AC5MDZB-AU
			XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC5FDZ
				Bulk Pack	AC5FDZ BULK
			XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AC5FDZB
				Gold Plated Contacts	AC5FDZB-AU

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC6AMDZ
			Bulk Pack	AC6AMDZ BULK
		XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AC6AMDZB
			Gold Plated Contacts	AC6AMDZB-AU
		XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC6AFDZ
			Bulk Pack	AC6AFDZ BULK
		XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard	AC6AFDZB
			Gold Plated Contacts	AC6AFDZB-AU
		XLR 7 pole male, D Flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7MDZ
			Vertical PCB	AC7MDZV
			Bulk Pack	AC7MDZ BULK
		XLR 7 pole male, D Flange, Gold Plated Machined contacts, Black Finish	Standard	AC7MDZB
			Vertical PCB	AC7MDZVB
		XLR 7 pole female, D Flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7FDZ
			Vertical PCB	AC7FDZV
			Bulk Pack	AC7FDZ BULK
		XLR 7 pole female, D Flange, Gold Plated Machined contacts, Black Finish	Standard	AC7FDZB
			Vertical PCB	AC7FDZVB

XLR Connectors

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
		2.4 [.094"] 27.0 [1.063"] 36.8 [1.449"] 22.2 [.874"] 32.1 [1.265"]	XLR male, Narrow flange, Machined contacts	3	AC3MMPNZ
		2.4 [.094"] 27.0 [1.063"] 36.8 [1.449"] 22.2 [.874"] 32.1 [1.265"]	XLR male, Narrow flange, Stamped contacts,	3	AC3MPNZ
				4	AC4MPNZ
				5	AC5MPNZ
				6	AC6AMPNZ
				7	AC7MPNZ
		27.2 [1.070"] 26.4 [1.039"] 36.7 [1.445"] 16.7 [.656"] 31.5 [1.238"]	XLR male, Wide flange, Machined contacts	3	AC3MMP
		27.2 [1.070"] 26.4 [1.039"] 36.7 [1.445"] 16.7 [.656"] 32.5 [1.278"]	XLR male, Wide flange, Stamped contacts	3	AC3MP
				4	AC4MP
				5	AC5MP
				6	AC6AMP
				7	AC7MP
		27.2 [1.070"] 26.4 [1.039"] 36.7 [1.445"] 16.7 [.656"] 31.0 [1.220"]	XLR female, Wide flange, Stamped contacts	3	AC3FPZ
				4	AC4FPZ
				5	AC5FPZ
				6	AC6AFPZ
				7	AC7FPZ

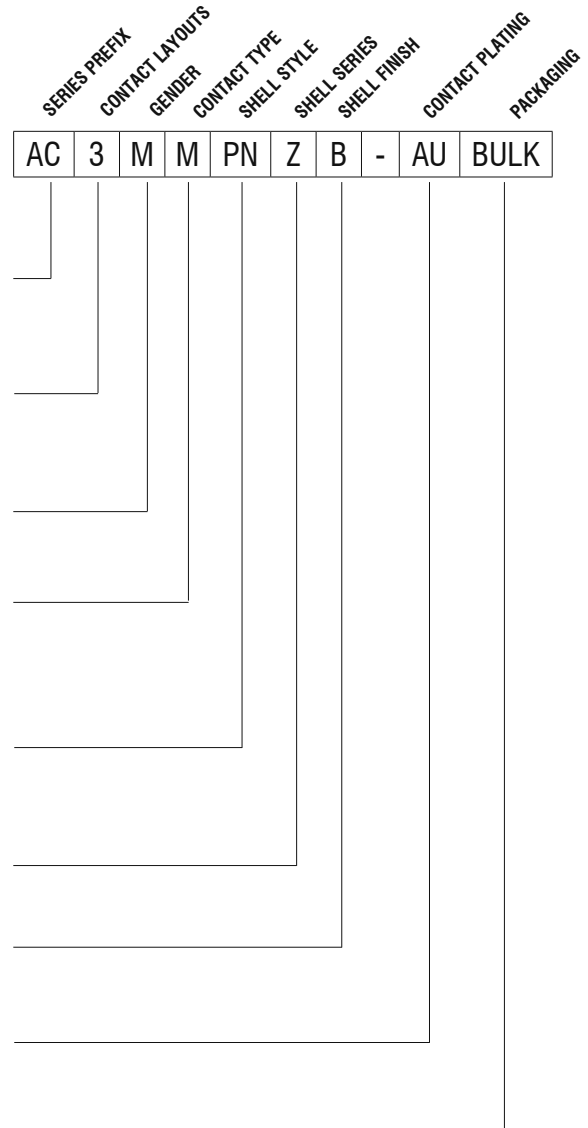
*Black finish available on special request please contact factory.

PART NUMBER BREAKDOWN

METAL TYPE FLANGE

E. G. **AC3MMPNZVB-AU BULK**
AC (Series Prefix), **3** contacts, **Male**, **M**achined Contacts, **PN** (Narrow Flange), **Z** (Metal Chassis Series), **B**lack Polyester Finish, **- 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
MACHINED CONTACTS¹	Blank	=	Stamped Contacts
	M	=	Machined Contacts (Applicable 3 male pin contacts only)
SHELL STYLE	D	=	Small Flange (front or rear mounting)
	P	=	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 FINISH²	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING³	Blank	=	Standard Plating (Silver or Tin - refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



Note:

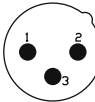
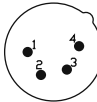
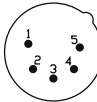
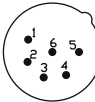
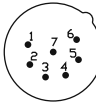
¹ 4 - 7 contact connectors have machined contacts and grounding as standard. They are not available in stamped contacts.

² Ground contacts are not supplied with the black polyester finish shell option.

³ 7 Contact is gold plated as standard.

⁴ Non-Latching Versions (Female) available - Please contact us for part number options.

STANDARD DATA AC / AX SERIES CHASSIS - METAL “Z”

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A	7
	Contact Arrangement (Front view of pin inserts)					
	Termination	Solder Bucket / Printed Circuit Board (PCB)				
	Max. Wire Gauge - Stranded wire:					
	Solder	14AWG	16AWG	18AWG	18AWG	20AWG
	Printed Circuit Board - PCB	N/A	N/A	N/A	N/A	N/A
ELECTRICAL CHARACTERISTICS	Flammability rating of plastics	UL94V-0				
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU				
	Service Voltage RMS	133V ¹⁾				
	Test Voltage AC RMS	1400V				
	Current carrying capacity:					
	Solder	15A	10A	7.5A	7.5A	5A
CLIMATIC CHARACTERISTICS	Printed Circuit Board (PCB)	15A	10A	7.5A	7.5A	5A
	Typical Contact Resistance	≤3mΩ				
	Insulation Resistance	≥1000MΩ				
MECHANICAL CHARACTERISTICS	Protection Class	IP40				
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)				
MATERIALS	Weight - Metal ²⁾	31g (0.068lb)	32g (0.070lb)	33g (0.072lb)	33g (0.072lb)	33g (0.072lb)
	Mechanical Operations	1000 mating cycles				
MATERIALS	Connector Shell	Diecast Zinc Alloy				
	Shell Finish	Satin Nickel or Black Polyester				
	Insulators	PA66 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 Gold (optional)				
	Machined Solder-(Material/Plating)	Brass / Silver or Gold (Optional)				

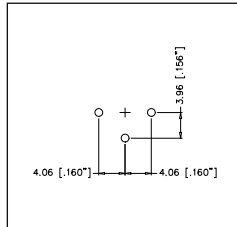
¹⁾ Not suitable for domestic applications above 50V

²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

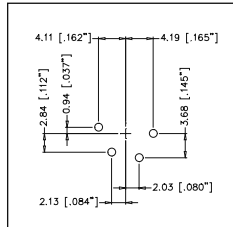
AC / AX SERIES CHASSIS METAL “Z”

PCB FOOTPRINTS STRAIGHT (V) CONNECTOR SIDE OF PCB

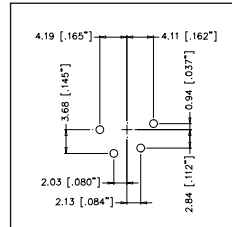
○ $\varnothing 1.2\text{mm}(.05")$ + Panel Cutout CL



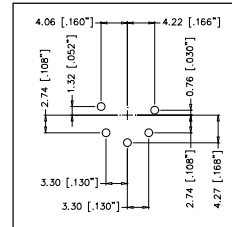
AC3MM*ZV



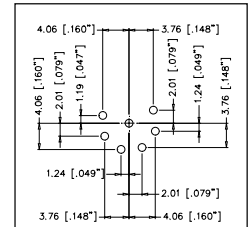
AC4F*ZV



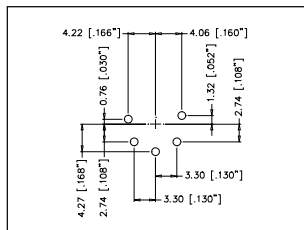
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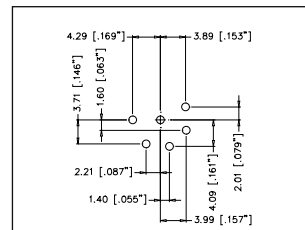
AC5F*ZV



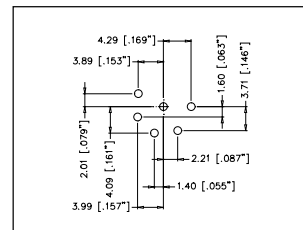
AC7M*ZV



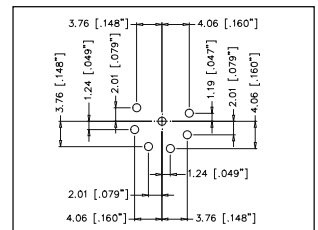
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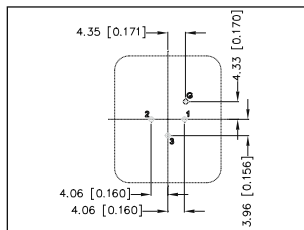
AC6AF*ZV



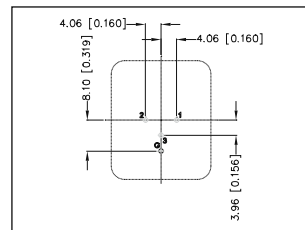
AC6AM*ZV



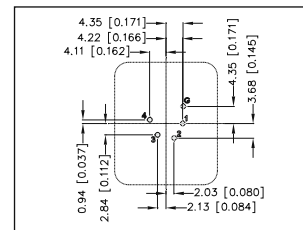
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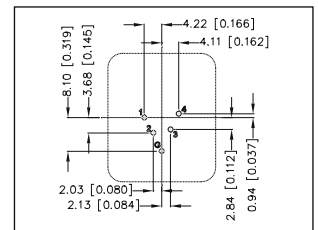
AX3FD



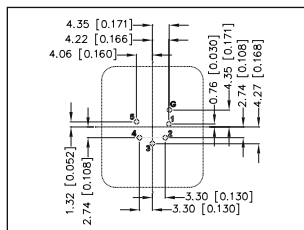
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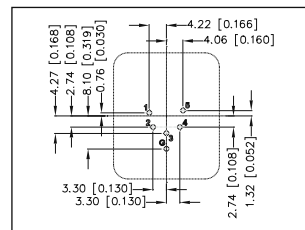
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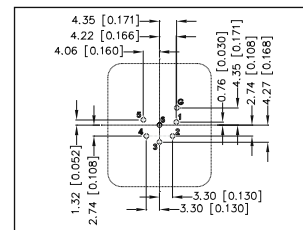
AX4MD



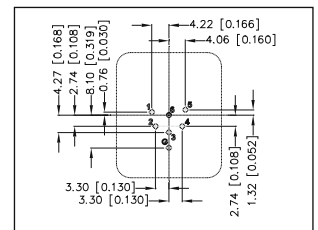
AX5FD



AX5MD

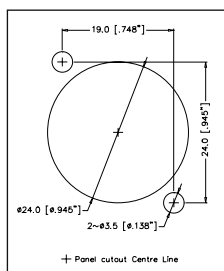


AX6AFD

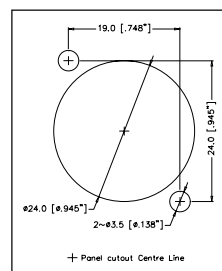


AX6AMD

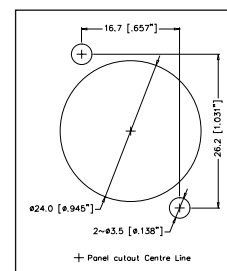
PANEL CUTOUT DIMENSIONS FRONT VIEW



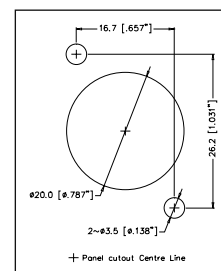
AC*FDZ / AX*FD



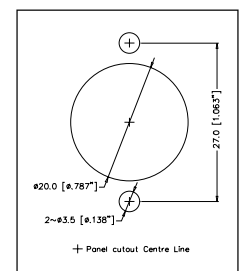
AC*MDZ / AX*MD



AC*FPZ



AC*MP



AC*MPNZ

XLR IP65 Connectors



- IP65 Rated.
- Rear mounted thermoplastic shell housing aids in pre-assembly 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 .

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

Specifications: Page 35

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XLR IP65 Connectors

31

XLR IP65 Connectors

XLR 4 pole male
chassis with
protective cap , IP65,
Horizontal PCB, Rear
mount

Panel 1.0mm to 1.5mm	AXS4MPH
Panel 1.5mm to 2mm	AXS4MP1H
Panel 2mm to 3mm	AXS4MP2H



Top View:

- Overall width: 86.0 [1024"]
- Overall height: 190.0 [748"]
- Panel thickness: 1/2" RECOMMEND PANEL THICKNESS
- Mounting hole diameter: #15S (.610")
- Distance from top edge to mounting holes: 31.0 [1260"]
- Distance between mounting holes: 3.0 [116"]
- Distance from side edge to mounting holes: 3.0 [116"]
- Distance from bottom edge to mounting holes: 9.5 [374"]
- Distance from center to mounting holes: 24.0 [945"] TYP.
- Mounting hole diameter: #4-SCREW SELF-TAPPING

Side View:

- Overall width: 86.0 [1024"]
- Overall height: 190.0 [748"]
- Panel thickness: 1/2" RECOMMEND PANEL THICKNESS
- Mounting hole diameter: #15S (.610")
- Distance from top edge to mounting holes: 31.0 [1260"]
- Distance between mounting holes: 3.0 [116"]
- Distance from side edge to mounting holes: 3.0 [116"]
- Distance from bottom edge to mounting holes: 9.5 [374"]
- Distance from center to mounting holes: 24.0 [945"] TYP.
- Mounting hole diameter: #4-SCREW SELF-TAPPING

Bottom View:

- Overall width: 86.0 [1024"]
- Overall height: 190.0 [748"]
- Panel thickness: 1/2" RECOMMEND PANEL THICKNESS
- Mounting hole diameter: #15S (.610")
- Distance from top edge to mounting holes: 31.0 [1260"]
- Distance between mounting holes: 3.0 [116"]
- Distance from side edge to mounting holes: 3.0 [116"]
- Distance from bottom edge to mounting holes: 9.5 [374"]
- Distance from center to mounting holes: 24.0 [945"] TYP.
- Mounting hole diameter: #4-SCREW SELF-TAPPING

XLR 4 pole female
chassis chassis with
protective cap , IP65,
Horizontal PCB, Rear
mount

Panel 1.0mm to 1.5mm	AXS4FPH
Panel 1.5mm to 2mm	AXS4FP1H
Panel 2mm to 3mm	AXS4FP2H



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
Panel 2mm to 3mm	AXS4MP2V

[illegible]

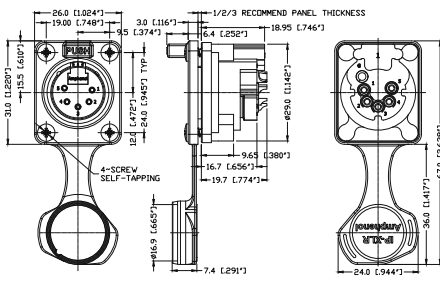
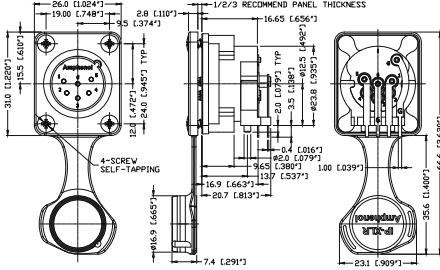
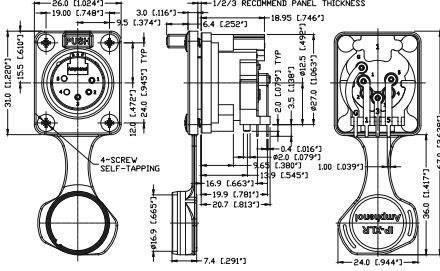
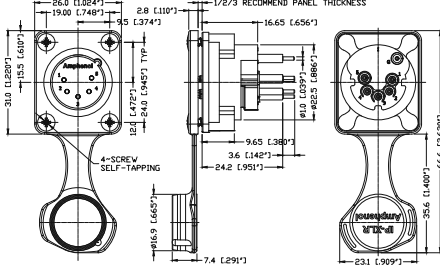
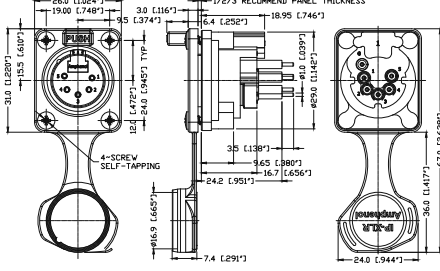
XLR 4 pole female
chassis chassis with
protective cap , IP65,
Vertical PCB, Rear
mount

Panel 1.0mm to 1.5mm	AXS4FPV
Panel 1.5mm to 2mm	AXS4FP1V
Panel 2mm to 3mm	AXS4FP2V

[illegible]

XLR 5 pole male
chassis with
protective cap , IP65,
Solder bucket, Rear
mount

Panel 1.0mm to 1.5mm	AXS5MP
Panel 1.5mm to 2mm	AXS5MP1
Panel 2mm to 3mm	AXS5MP2

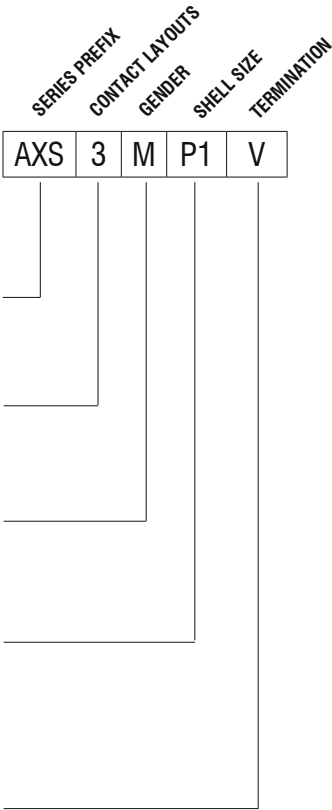
PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 5 pole female chassis with protective cap , IP65, Solder bucket, Rear mount	Panel 1.0mm to 1.5mm	AXS5FP
			Panel 1.5mm to 2mm	AXS5FP1
			Panel 2mm to 3mm	AXS5FP2
		XLR 5 pole male chassis with protective cap , IP65, Horizontal PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS5MPH
			Panel 1.5mm to 2mm	AXS5MP1H
			Panel 2mm to 3mm	AXS5MP2H
		XLR 5 pole female chassis with protective cap , IP65, Horizontal PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS5FPH
			Panel 1.5mm to 2mm	AXS5FP1H
			Panel 2mm to 3mm	AXS5FP2H
		XLR 5 pole male chassis with protective cap , IP65, Vertical PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS5MPV
			Panel 1.5mm to 2mm	AXS5MP1V
			Panel 2mm to 3mm	AXS5MP2V
		XLR 5 pole female chassis with protective cap , IP65, Vertical PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS5FPV
			Panel 1.5mm to 2mm	AXS5FP1V
			Panel 2mm to 3mm	AXS5FP2V

PART NUMBER BREAKDOWN

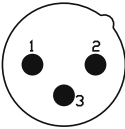
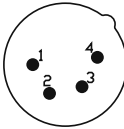
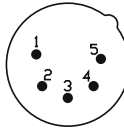
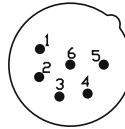
CHASSIS CONNECTORS

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
	AXP	=	Sealed IP65 no cap
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
GENDER	F	=	Socket receptacle housing
	M	=	Pin plug housing
SHELL SIZE	P	=	Thermoplastic 1mm to 1.5mm (Rear Mounting)
	P1	=	Thermoplastic 1.5mm to 2mm (Rear Mounting)
	P2	=	Thermoplastic 2mm to 3mm (Rear Mounting)
TERMINATION	Blank	=	Solder buckets
	H	=	Horizontal Mount (PCB thru hole)
	V	=	Vertical Mount (PCB thru hole)
SHELL MATERIAL / FINISH	Thermoplastic Black		
CONTACT PLATING	Blank	=	Standard
	AU	=	Gold plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



STANDARD DATA AX SERIES CHASSIS - IP65

		VALUE			
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A Available
	Contact Arrangement (Front view of pin inserts)				
	Termination	Solder Bucket / 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
	Flammability rating of plastics & rubber	UL94V-0			
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU			
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾			
	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 CHARACTERISTICS	Protection Class	IP65			
	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 mating cycles			
MATERIALS	Connector Flange Finish	Rubber Black / Stainless Steel			
	Insulators	PA66 30% Glass 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)			

¹⁾Not suitable for domestic applications above 50V

²⁾Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

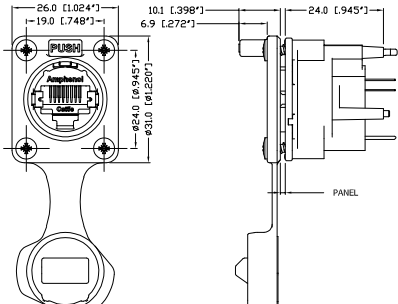
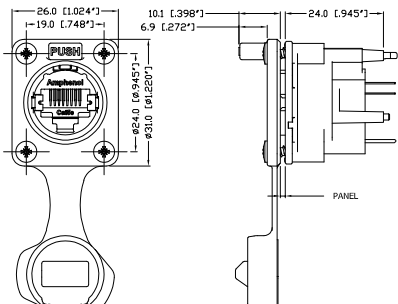
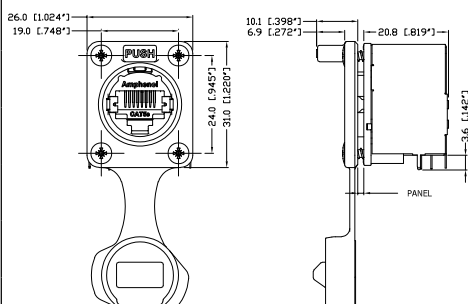
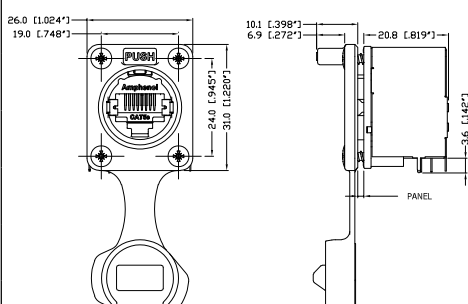
XLR Connectors

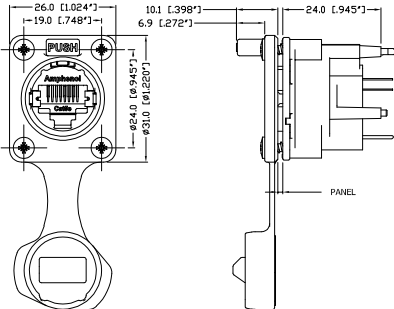
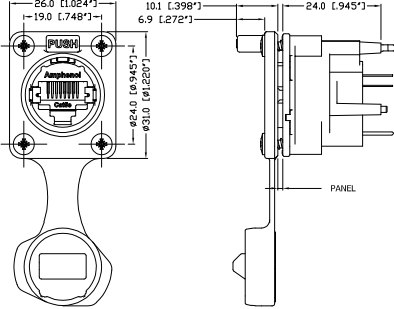
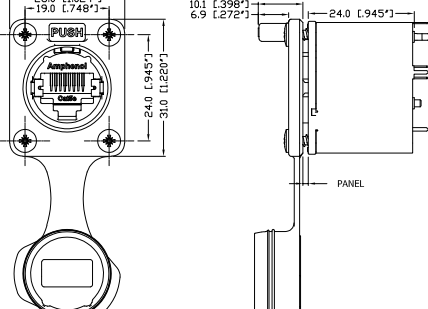
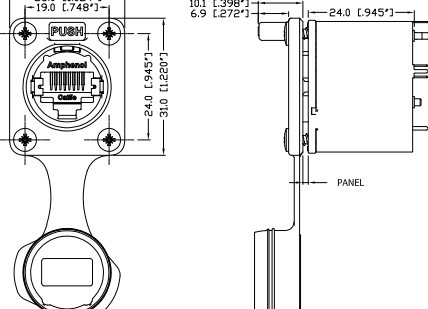
XLNet IP65 Range



XLRNET IP65 RANGE

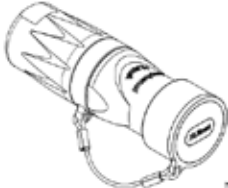
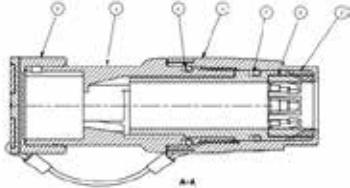
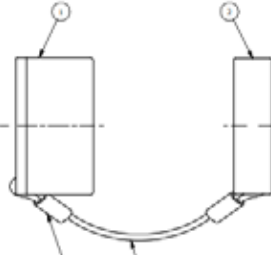
Part Number Breakdown: Page 39

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLRnet chassis, CAT5E with protective cap, IP65, Horizontal PCB, Rear mount	Panel 1.2m to 2.5mm Panel 1.2mm to 2.5mm, Potted Panel 2.5mm to 3.8mm Panel 2.5mm to 3.8mm, Potted Panel 3.8mm to 5mm Panel 3.8mm to 5mm, Potted	RJXS8FP5H RJXS8FP5HP RJXS8FP15H RJXS8FP15HP RJXS8FP25H RJXS8FP25HP
			XLRnet chassis, CAT6 with protective cap, IP65, Horizontal PCB, Rear mount	Panel 1.2m to 2.5mm Panel 1.2mm to 2.5mm, Potted Panel 2.5mm to 3.8mm Panel 2.5mm to 3.8mm, Potted Panel 3.8mm to 5mm Panel 3.8mm to 5mm, Potted	RJXS8FP6H RJXS8FP6HP RJXS8FP16H RJXS8FP16HP RJXS8FP26H RJXS8FP26HP
			XLRnet chassis, CAT5E with protective cap, IP65, Shielded Hood, Horizontal PCB, Rear mount	Panel 1.2m to 2.5mm Panel 1.2mm to 2.5mm, Potted Panel 2.5mm to 3.8mm Panel 2.5mm to 3.8mm, Potted Panel 3.8mm to 5mm Panel 3.8mm to 5mm, Potted	RJXS8FP5HE RJXS8FP5HPE RJXS8FP15HE RJXS8FP15HPE RJXS8FP25HE RJXS8FP25HPE
			XLRnet chassis, CAT6 with protective cap, IP65, Shielded Hood, Horizontal PCB, Rear mount	Panel 1.2m to 2.5mm Panel 1.2mm to 2.5mm, Potted Panel 2.5mm to 3.8mm Panel 2.5mm to 3.8mm, Potted Panel 3.8mm to 5mm Panel 3.8mm to 5mm, Potted	RJXS8FP6HE RJXS8FP6HPE RJXS8FP16HE RJXS8FP16HPE RJXS8FP26HE RJXS8FP26HPE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			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
				Panel 2.5mm to 3.8mm	RJXS8FP15V
				Panel 2.5mm to 3.8mm, Potted	RJXS8FP15VP
				Panel 3.8mm to 5mm	RJXS8FP25V
				Panel 3.8mm to 5mm, Potted	RJXS8FP25VP
			XLRnet chassis, CAT6 with protective cap, IP65, Vertical PCB, Rear mount	Panel 1.2m to 2.5mm	RJXS8FP6V
				Panel 1.2mm to 2.5mm, Potted	RJXS8FP6VP
				Panel 2.5mm to 3.8mm	RJXS8FP16V
				Panel 2.5mm to 3.8mm, Potted	RJXS8FP16VP
				Panel 3.8mm to 5mm	RJXS8FP26V
				Panel 3.8mm to 5mm, Potted	RJXS8FP26VP
			XLRnet chassis, CAT5E with protective cap, IP65, Shielded Hood, Vertical PCB, Rear mount	Panel 1.2m to 2.5mm	RJXS8FP5VE
				Panel 1.2mm to 2.5mm, Potted	RJXS8FP5VPE
				Panel 2.5mm to 3.8mm	RJXS8FP15VE
				Panel 2.5mm to 3.8mm, Potted	RJXS8FP15VPE
				Panel 3.8mm to 5mm	RJXS8FP25VE
				Panel 3.8mm to 5mm, Potted	RJXS8FP25VPE
			XLRnet chassis, CAT6 with protective cap, IP65, Shielded Hood, Vertical PCB, Rear mount	Panel 1.2m to 2.5mm	RJXS8FP6VE
				Panel 1.2mm to 2.5mm, Potted	RJXS8FP6VPE
				Panel 2.5mm to 3.8mm	RJXS8FP16VE
				Panel 2.5mm to 3.8mm, Potted	RJXS8FP16VPE
				Panel 3.8mm to 5mm	RJXS8FP26VE
				Panel 3.8mm to 5mm, Potted	RJXS8FP26VPE

XLR Connectors

XLRnet IP65 Range

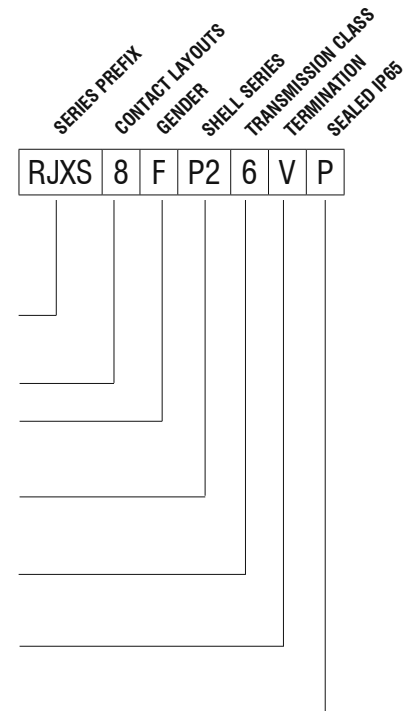
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLRnet cable plug housing to suit preassembled RJ45 ethernet cables	Nickel finish	RJXS8M
				Black finish	RJXS8MB
			XLRnet cable plug cap assembly to suit RJX series XLRnet cable plugs with coloured I.D. ring	Brown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

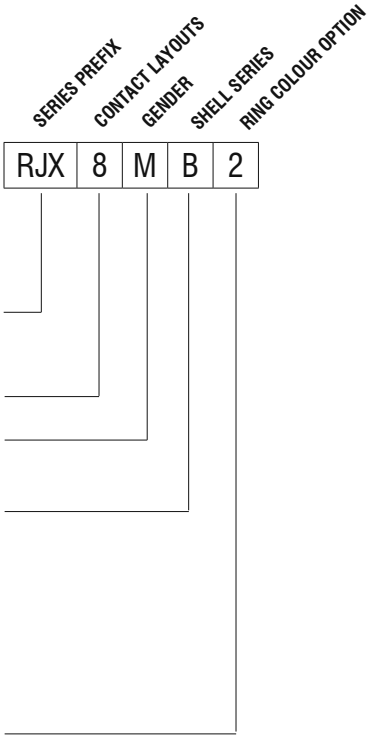
SERIES PREFIX	RJX	=	Standard
	RJXS	=	Sealed IP54 or IP65
	RJXP	=	Sealed IP65 without cap
CONTACT LAYOUTS	8	=	RJ45 Style
GENDER	F	=	Receptacle Housing
SHELL SERIES	P	=	Thermoplastic 1.2mm-2.5mm (Rear mounting IP65)
	P1	=	Thermoplastic 2.5mm to 3.8 mm with cap (Rear mounting IP65)
	P2	=	Thermoplastic 3.8mm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



PART NUMBER BREAKDOWN
PLUG CONNECTORS

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

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

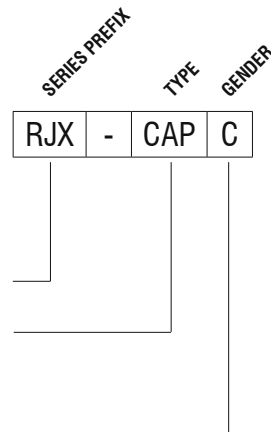


PART NUMBER BREAKDOWN

PROTECTIVE CAP

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

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



STANDARD DATA XLRnet IP65 CHASSIS RECEPTACLES

		VALUE		
		Class D	CAT5E	CAT6
GENERAL CHARACTERISTICS	Number of contacts	8		
	Contact Arrangement	RJ45		
	Termination	Printed Circuit Board (PCB) - through hole, Feedthrough, IDC Terminal		
	Flammability	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
	Solderability	MIL-STD 202, Method 208		
ELECTRICAL CHARACTERISTICS	Rated current per contact	1.5 A		
	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, EN50173		
	PoE	802.3at Type 2	Types 1 to 4 and IEC60603-7 compliant	
	LED Type	Round, single pole, indicator		
CLIMATIC CHARACTERISTICS	Protection Class	- RJX - RJXS	IP40 (with EMI/RFI shield) IP54 (non potted) IP65 (potted)	
	Operating Temperature	-40°C to +80°C (-40°F to +176°F)		
MECHANICAL CHARACTERISTICS	Weight**	- A & B Housing - Shielded Housing - D Shell	11g (0.024lb) 17g (0.037lb) 25g (0.055lb)	
	Mechanical Operations	1000		
	Insertion and Withdrawal Force	≤ 21N		
	Latch	Spring Steel		
	Panel Thickness max.	RJXS series panel thickness 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 - RJ45	0.38μm Au over 1.27μm Ni 1.27μm Au over 1.27μm Ni		
	Metal Hood Shield EMI/RFI	BRASS UNS #26800 PRE-PLATED 0.25mm THK		
	Latch lock and Spring	CARBON STEEL SAE 1055		
PANEL THICKNESS	Option "P" Option "P1" Option "P2"	1.5mm - 2.5mm (0.059" - 0.098") 2.5mm - 3.5mm (0.098" - 0.137") 3.8mm - 5mm (0.149" - 0.196")		

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

Rev 2 - 04/2025



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

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

XLR Connectors

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](#)

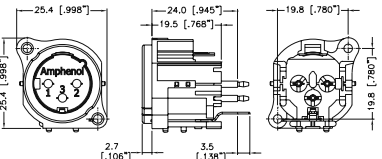
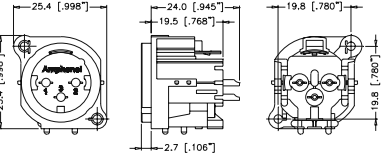
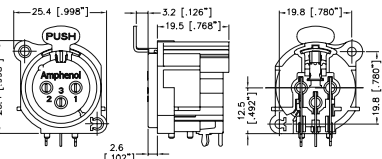
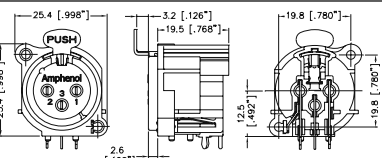
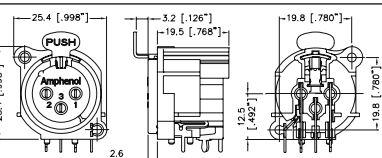
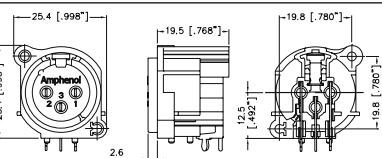
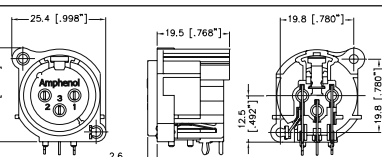
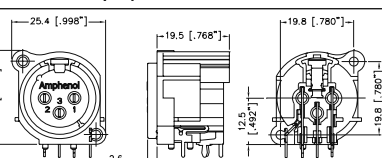
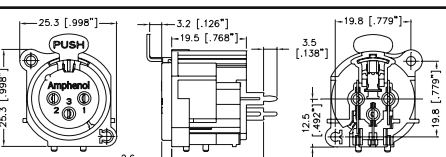
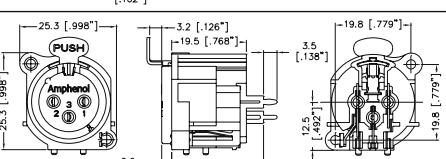
Panel Cutouts: [Page 56](#)

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"] 2.7 [.106"] 12.5 [.492"] 19.8 [.780"]	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"] 2.7 [.106"] 12.5 [.492"] 19.8 [.780"]	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"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"] 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"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"] 19.8 [.780"]	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"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAV-AU-PRE

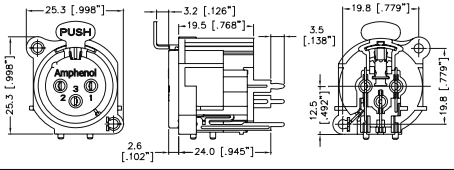
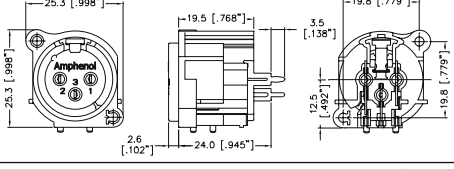
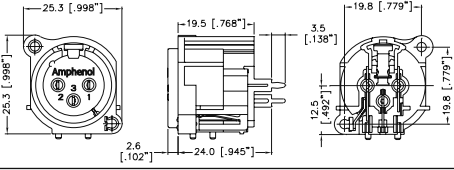
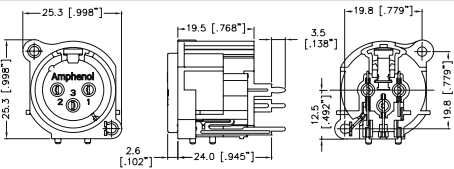
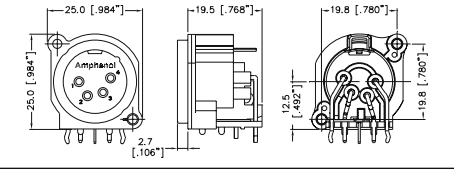
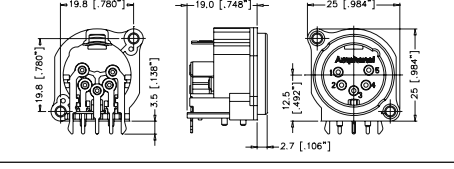
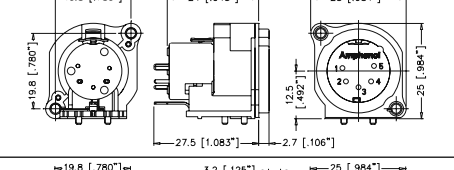
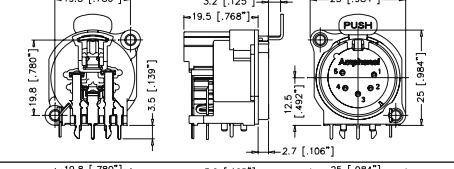
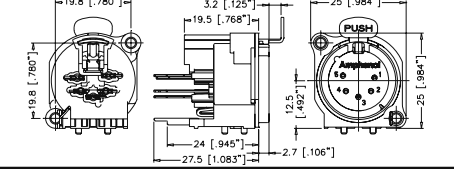
XLR Connectors

AC Series XLR PCB Chassis Mount Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAV2-AU-PRE
			XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-PRE
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAH1-AU-PRE
			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
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-PRE
			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
			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
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-PRE
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAV1-AU-PRE

XLR Connectors

AC Series XLR PCB Chassis Mount Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			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
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-PRE
			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
			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
			XLR 4 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC4MAH-AU-B
			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
			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
			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
			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

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

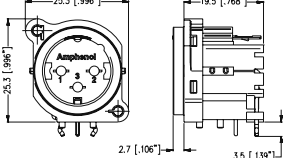
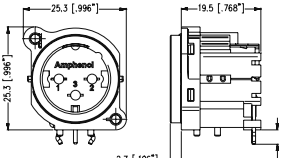
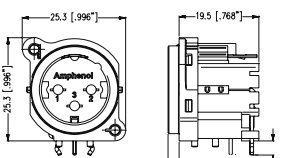
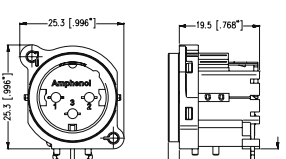
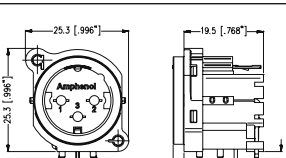
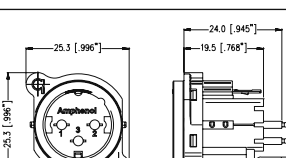
Options: Silver plated contacts, Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

Part Number Breakdown: [Page 51](#) **Specifications:** [Page 54](#)

PCB Footprints: [Page 55](#)

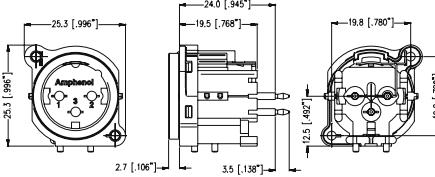
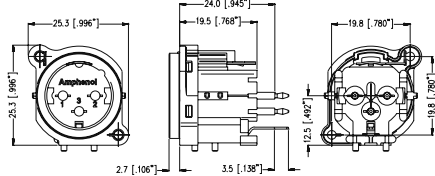
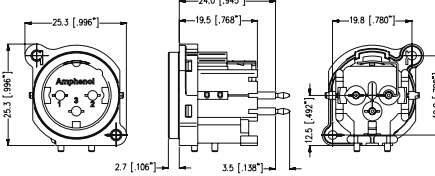
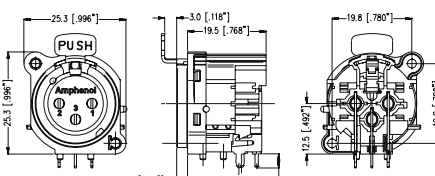
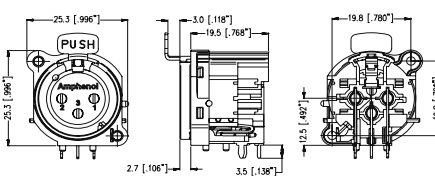
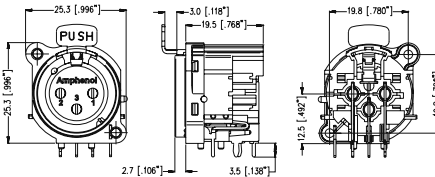
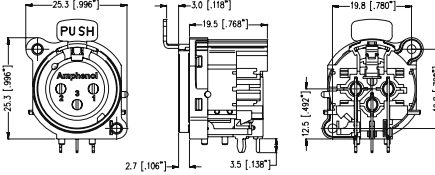
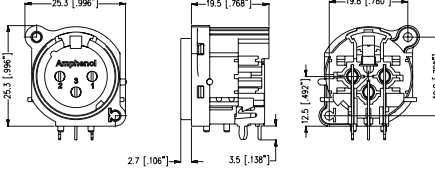
Panel Cutouts: [Page 56](#)

Recommended Fastener: [Page 152](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBH-AU-PRE
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBH1-AU-PRE
			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
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBH3-AU-PRE
			XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBHL-AU-PRE
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBV-AU-PRE

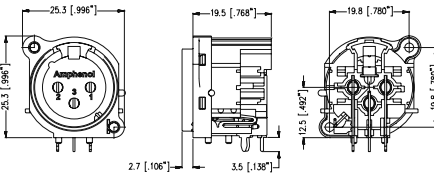
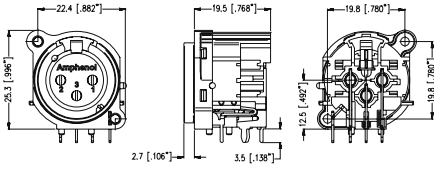
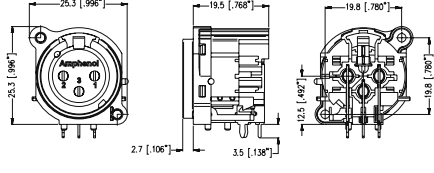
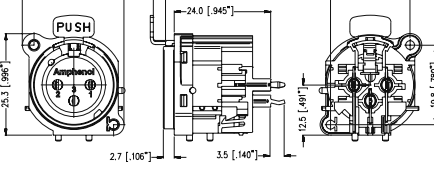
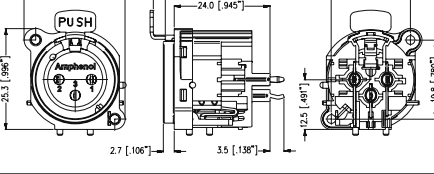
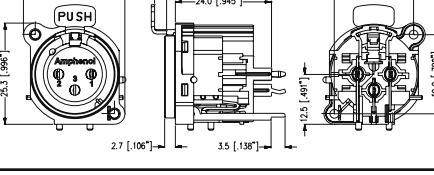
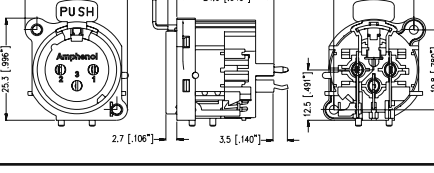
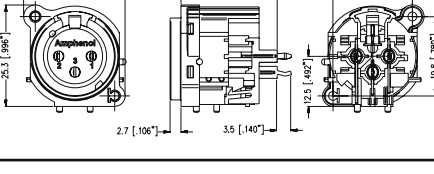
XLR Connectors

AC Series XLR PCB Chassis Mount Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
		25.3 [.996"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 19.8 [.780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBV1-AU-PRE
		25.3 [.996"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 19.8 [.780"]	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"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 19.8 [.780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBV3-AU-PRE
		25.3 [.996"] 3.0 [.118"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 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
		25.3 [.996"] 3.0 [.118"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 19.8 [.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 [.996"] 3.0 [.118"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 19.8 [.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 [.996"] 3.0 [.118"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 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"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"] 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

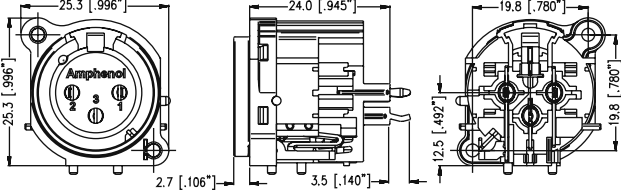
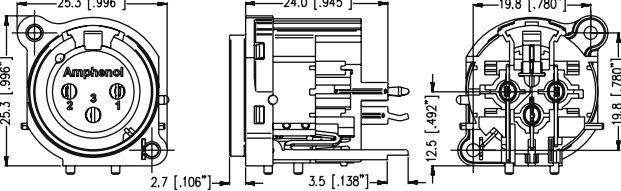
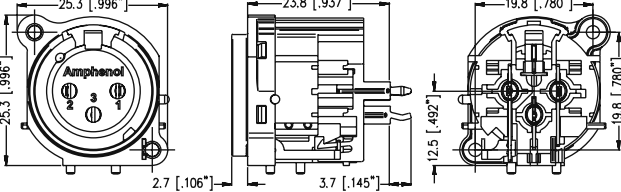
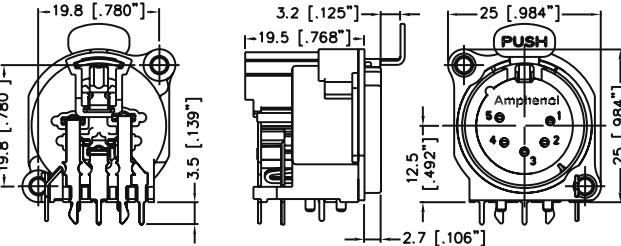
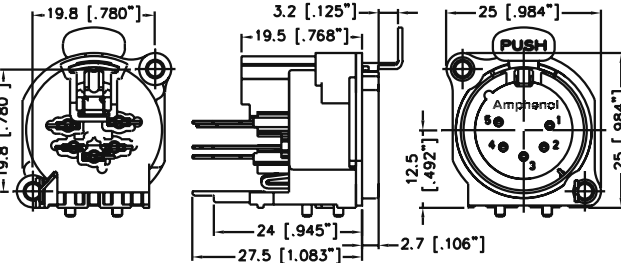
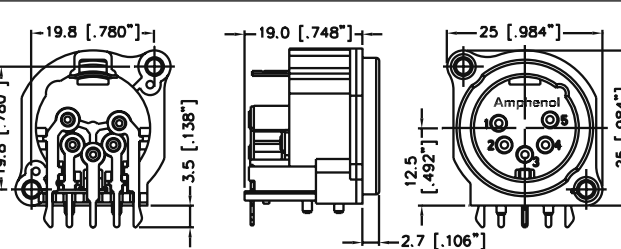
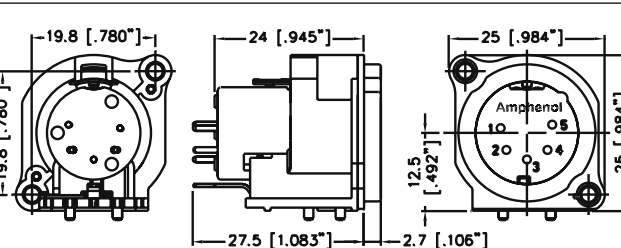
XLR Connectors

AC Series XLR PCB Chassis Mount Connectors

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	FINISH	PART NUMBER
		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
		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
		XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBHL3-AU-PRE
		XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBV-AU-PRE
		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
		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
		XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBV3-AU-PRE
		XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBVL-AU-PRE

XLR Connectors

AC Series XLR PCB Chassis Mount Connectors

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	FINISH	PART NUMBER
		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
		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
		XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBVL3-AU-PRE
		XLR 5 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBH-AU-PRE
		XLR 5 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBV-AU-PRE
		XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBH-AU-PRE
		XLR 5 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBV-AU-PRE

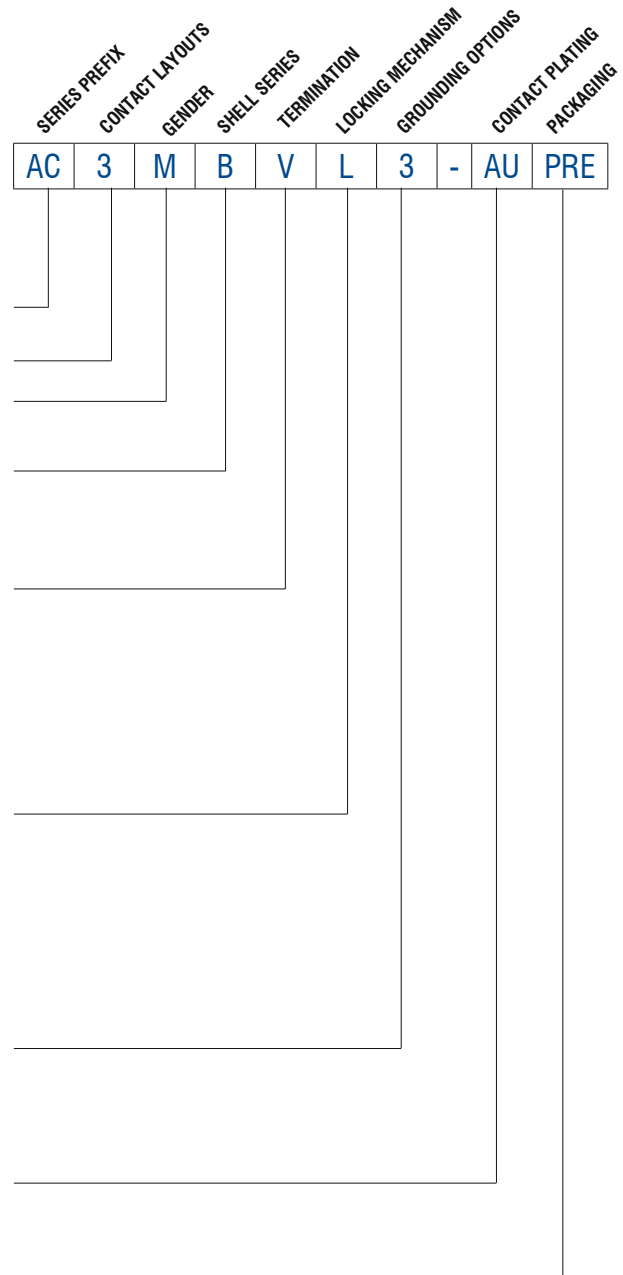
PART NUMBER BREAKDOWN

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	A B	= =	A Type B Type
TERMINATION	H V Blank	= = =	Horizontal Printed Circuit Board Vertical Printed Circuit Board Solder Bucket Contacts
MOUNTING FLANGE FINISH (B TYPE ONLY)	Blank	=	Nickel
LOCKING MECHANISM	Blank L	= =	Latching Latchless
GROUNDING LINK OPTIONS	Blank 1 2 3 4	= = = = =	No Ground Link Pin 1 to Chassis to mating connector shell Mating Connector shell to Chassis, Pin 1 to separate ground Mating connector to Pin 1 Mating connector to Shell to Chassis to PCB, Pin 1 separate ground
CONTACT PLATING	AU AG	= =	Gold Plated Contacts Silver Plated Contacts (Non-Standard)
PACKAGING	PRE PRD	= =	Bulk Packed Disassembled push latch

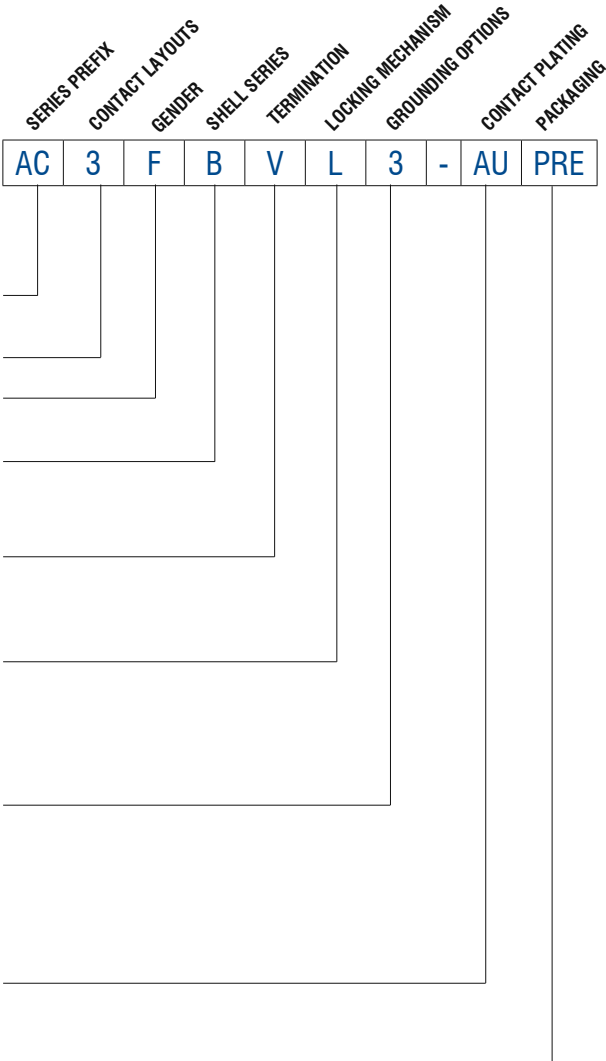


PART NUMBER BREAKDOWN

AC SERIES A AND B TYPE FEMALE - 3 CONTACT

E. G . **AC3MAVL3-AU B**
AC (series prefix), **3** contacts, **F**emale, **A** Type, **V**ertical Printed Circuit Board, **L**atchless, **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	A	=	A Type
	B	=	B Type
TERMINATION	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless
GROUNDING LINK OPTIONS	Blank	=	No Ground Link
	1	=	Pin 1 to Chassis to mating connector shell
	2	=	Mating Connector shell to Chassis, Pin 1 to separate ground
	3	=	Pin 1 to Chassis
CONTACT PLATING	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
PACKAGING	PRE	=	Bulk Packed
	PRD	=	Disassembled push latch

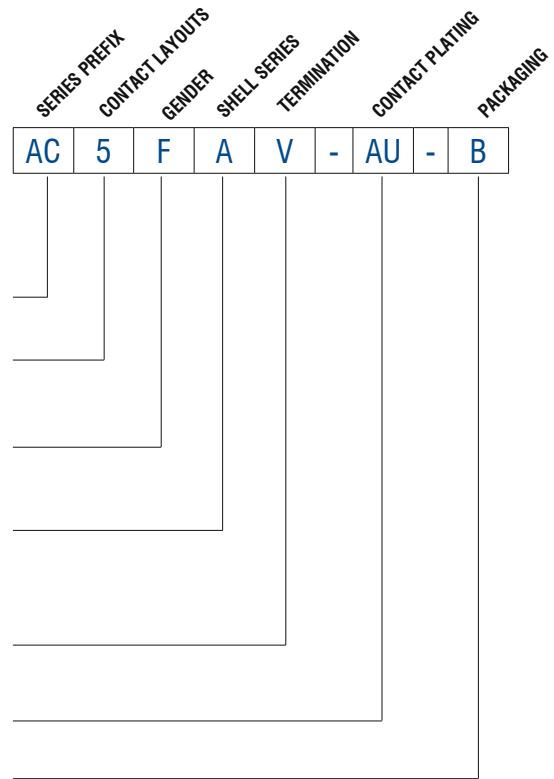


PART NUMBER BREAKDOWN

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

E. G. . **AC5FAV-AU-B**
AC (series prefix), **5** contacts, **F**emale, **A** Type, **V**ertical Printed Circuit Board, **AU**
 (Gold Plated Contacts) - **B**ulk Packaged.

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



XLR Connectors

AC Series XLR PCB Chassis Mount Connectors

STANDARD DATA AC SERIES A AND B TYPE CHASSIS

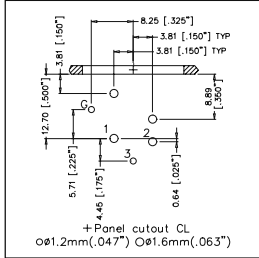
		VALUE		
GENERAL CHARACTERISTICS	Number of contacts	3	4	5
	Contact Arrangements (Front view of pin insert)			
	Termination	Printed Circuit Board (PCB)		
	Flammability rating of plastics	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹		
	Test Voltage AC RMS	1500V		
	Current carrying capacity	6A		3A
	Typical Contact Resistance	≤5mΩ		
	Insulation Resistance (initial)	≥2GΩ		
	Insulation Resistance (after damp heat test)	≥1GΩ		
CLIMATIC CHARACTERISTICS	Protection Class	IP40		
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)		
MECHANICAL CHARACTERISTICS	Weight ²	14g (0.030lb)		
	Retention Spring separating force	≥20N		
	Mounting Screw torque max.	1.5Nm		
	Mechanical Operations	1500 mating cycles		
	Fastening A Type Connectors ³	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration		
	Fastening B Type Connectors ³	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		

¹ Not suitable for domestic applications above 50V

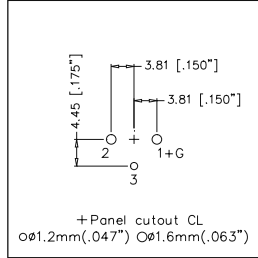
² Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

³ Refer to page 152

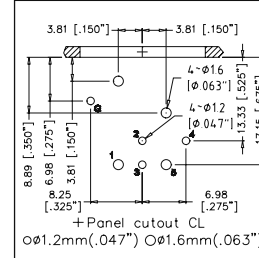
AC SERIES A AND B TYPE CHASSIS PCB FOOTPRINTS - CONNECTOR SIDE OF PCB



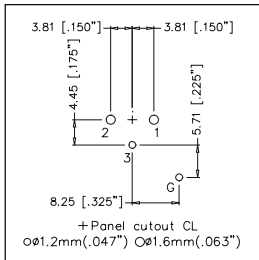
**AC3FAH2
AC3FBH2**



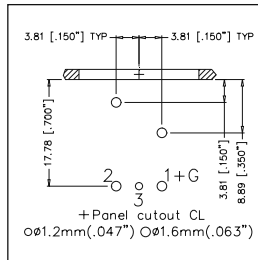
**AC3FAV1
AC3FAV3
AC3FBV1
AC3FBV3
AC3FAV
AC3FBV**



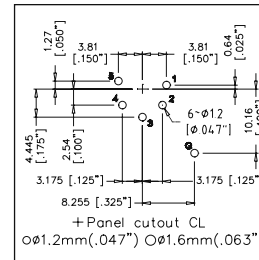
AC5FAH



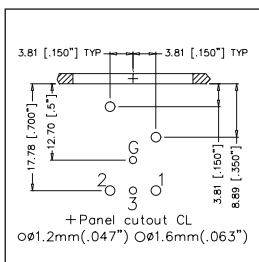
**AC3FAV2
AC3FBV2**



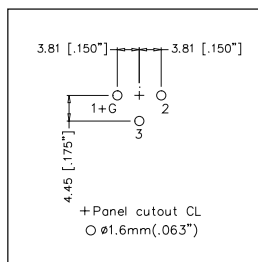
**AC3MAH1
AC3MAH3
AC3MBH1
AC3MBH3
AC3MAH
AC3MBH
AC3MBHL**



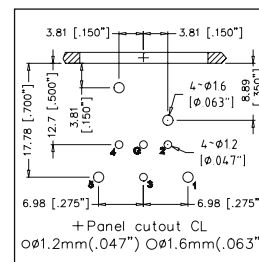
AC5FAV



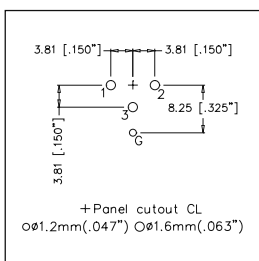
**AC3MAH2
AC3MAH4
AC3MBH2**



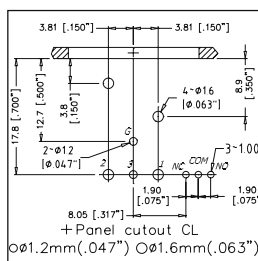
**AC3MAV1
AC3MAV3
AC3MBV1
AC3MBV3
AC3MAV
AC3MBV**



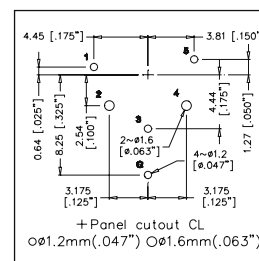
AC5MAH



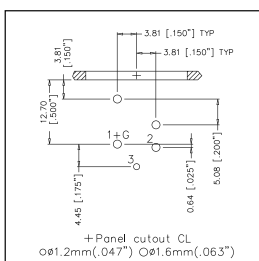
**AC3MAV2
AC3MAV4
AC3MBV2**



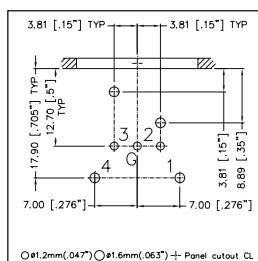
AC3MAH4SWB



AC5MAV



**AC3FAH1
AC3FAH3
AC3FBH1
AC3FBH3
AC3FAH
AC3FBH**

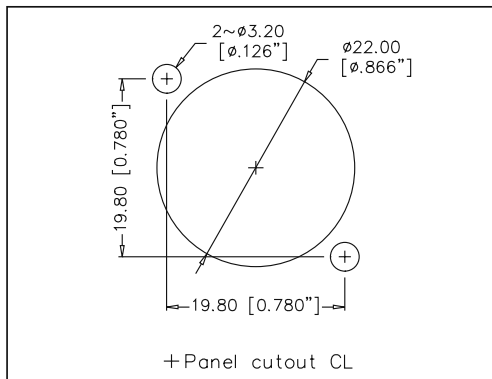


AC4MAH

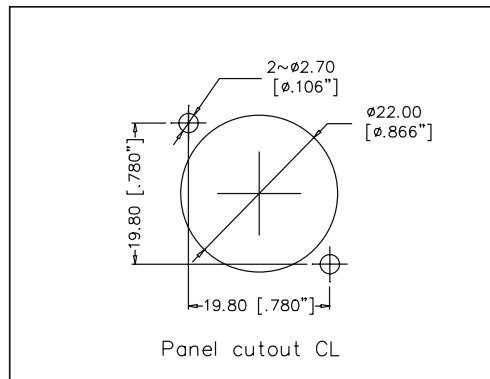
AC SERIES A AND B TYPE CHASSIS

PANEL CUTOUT DIMENSIONS - FRONT VIEW

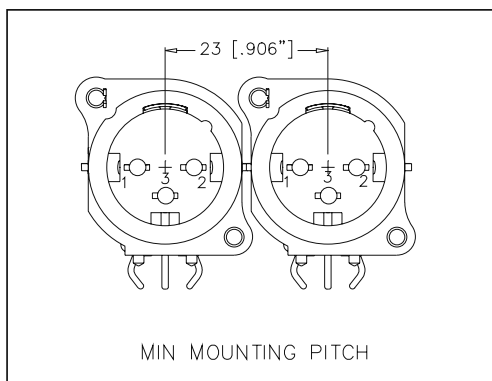
A TYPE



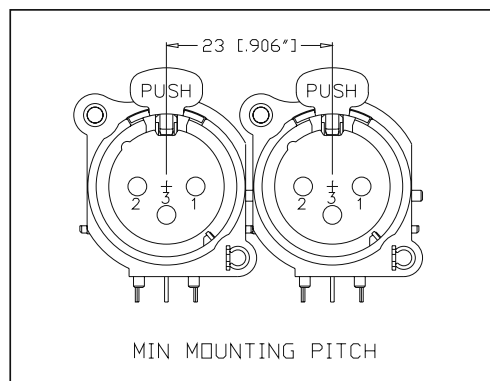
B TYPE



A AND B
TYPE MALE
MOUNTING
PITCH

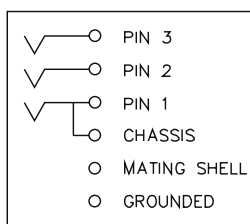


A AND
B TYPE
FEMALE
MOUNTING
PITCH

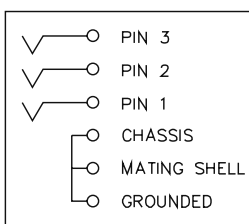


AC3FA/BH/V SCHEMATIC CHART

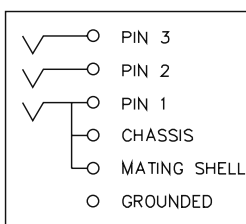
AC3FA/BH/V3-AU
AC3FA/BH/VL3-AU



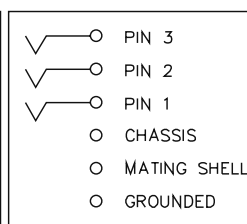
AC3FA/BH/V2-AU
AC3FA/BH/VL2-AU



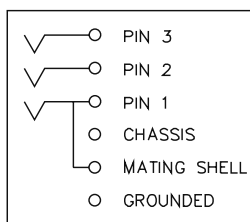
AC3FA/BH/V1-AU
AC3FA/BH/VL1-AU



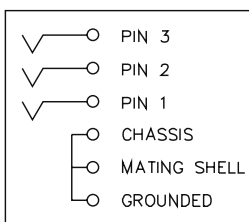
AC3FA/BH/V-AU
AC3FA/BH/VL-AU



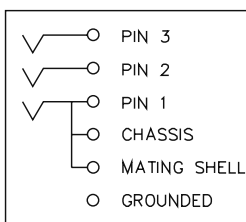
AC3MA/BH/V3-AU
AC3MA/BH/VL3-AU



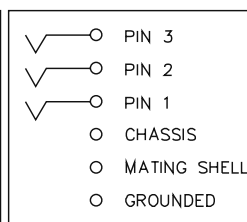
AC3MA/BH/V2/4-AU
AC3MA/BH/VL2/4-AU



AC3MA/BH/V1-AU
AC3MA/BH/VL1-AU



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





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

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

XLR Connectors

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](#)

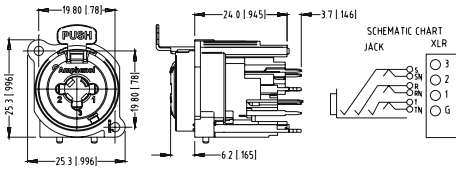
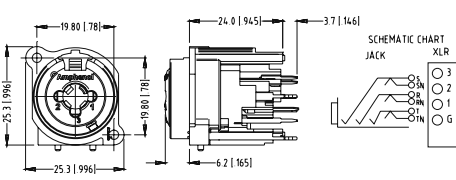
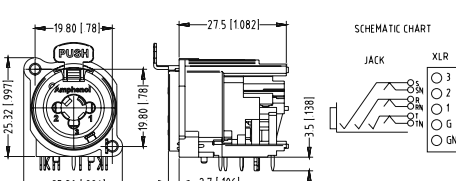
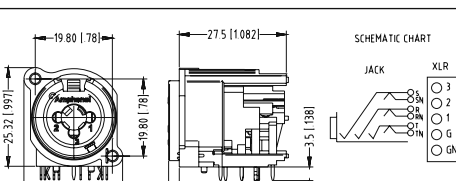
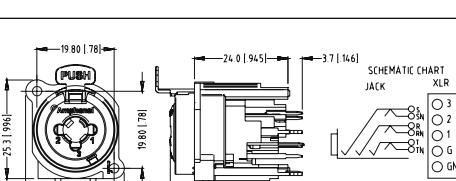
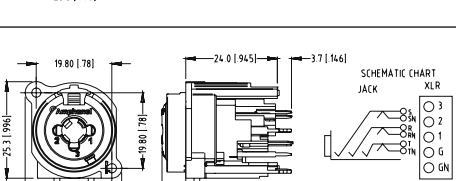
PCB Footprints: [Page 64](#)

Recommended Fastener: [Page 152](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6AH BULK
			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
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2 BULK
			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
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AHL BULK

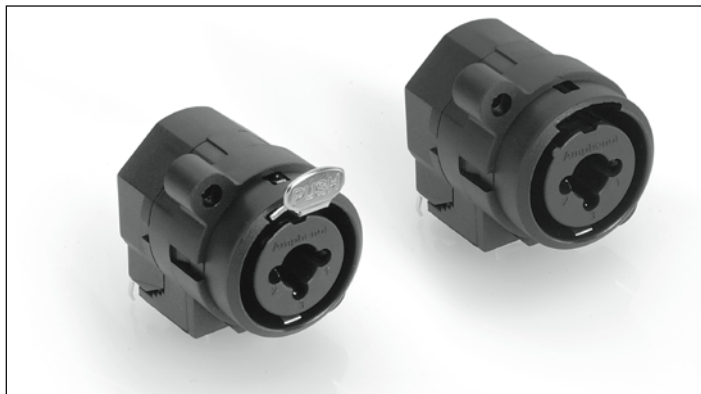
XLR Connectors

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

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
		Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
		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
		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
		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
		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

XLR Connectors

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](#)

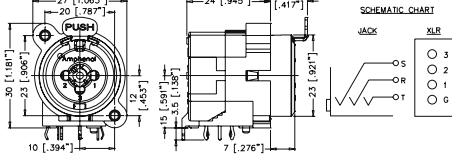
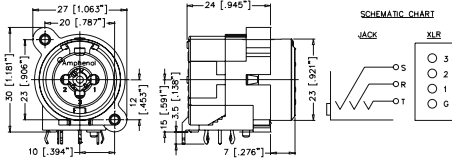
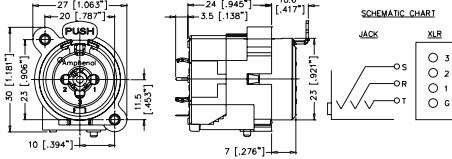
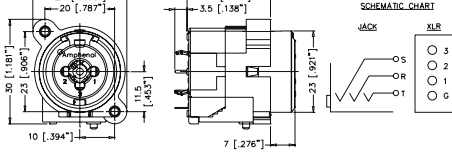
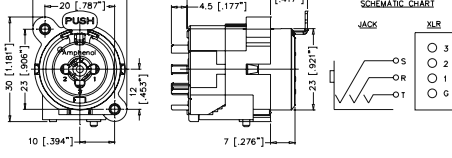
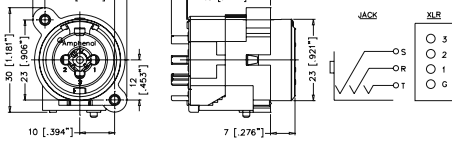
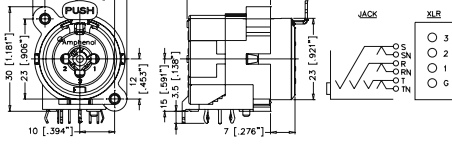
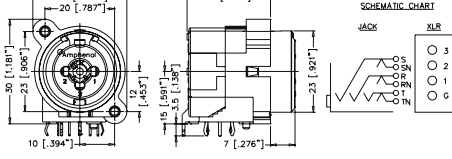
PCB Footprints: [Page 64](#)

Recommended Fastener: [Page 152](#)

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
		XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
		XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
		XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5VL BULK
		XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
		XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK

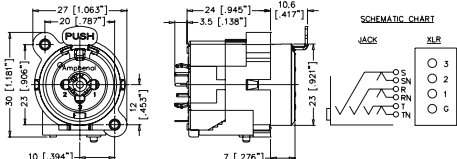
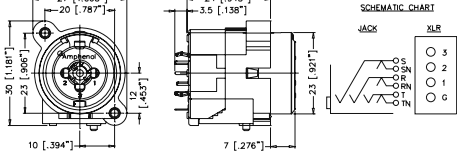
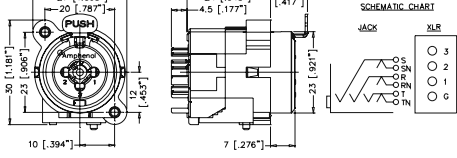
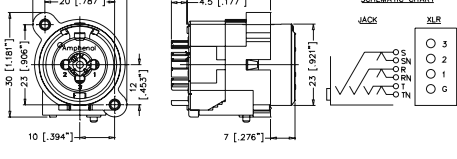
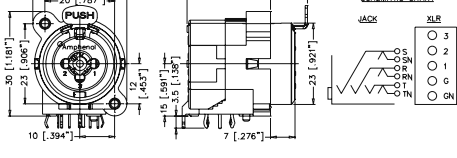
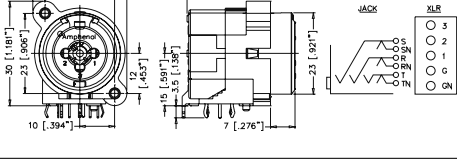
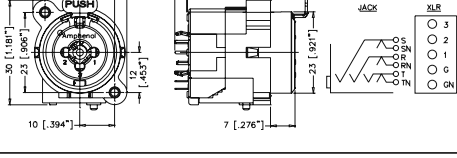
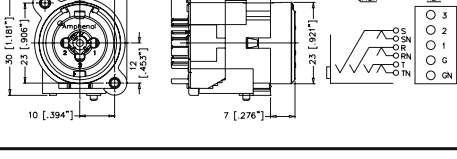
XLR Connectors

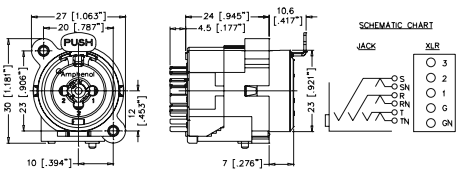
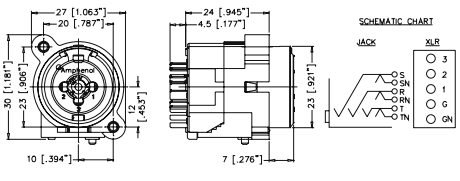
AC Series Dual 1/4" (6.35mm) / XLR Chassis Mount

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
		XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6HL BULK
		XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
		XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6VL BULK
		XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
		XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

XLR Connectors

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

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
		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
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
		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

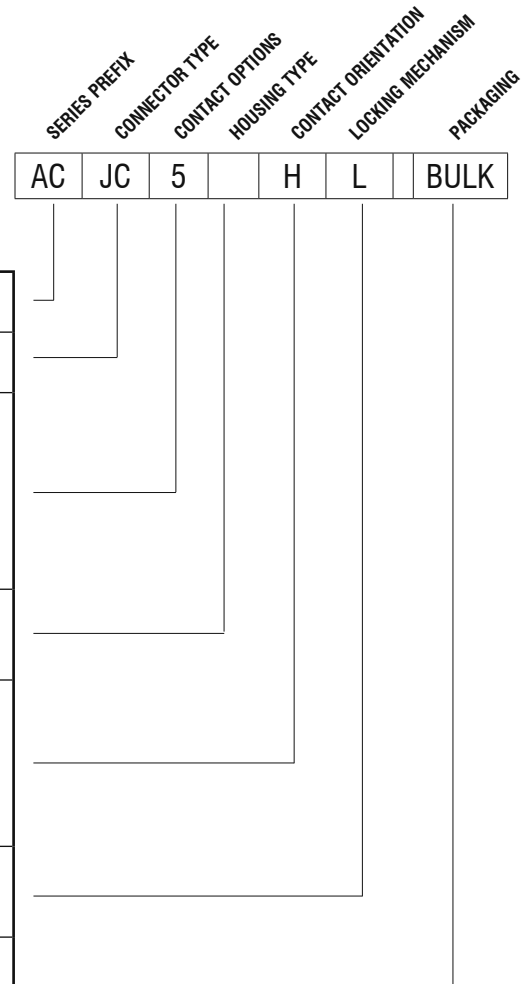
PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC10SL BULK

PART NUMBER BREAKDOWN

AC SERIES THERMOPLASTIC C TYPE

E. G. **ACJC5HL BULK**
AC (Series Prefix), **JC** Jack/Connector XLR, **5** Mono, **H**orizontal Printed Circuit Board, **L**atchless, **BULK** Packaged.

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



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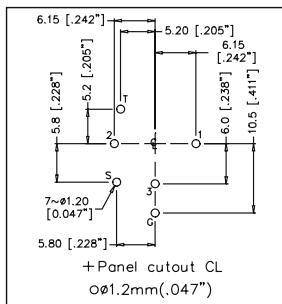
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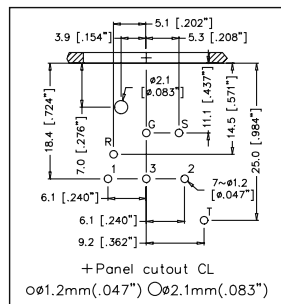
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øø1.2mm(.047") øø2.1mm(.083")

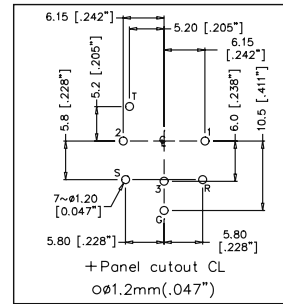
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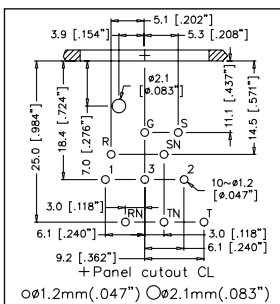
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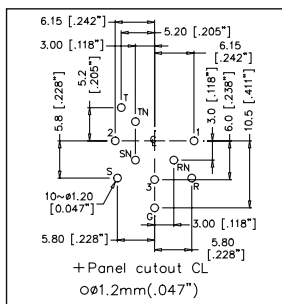
ACJC6H & ACJC6HL



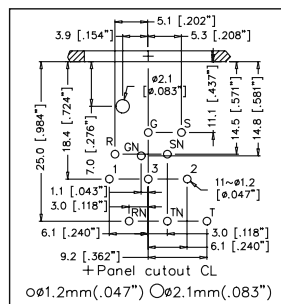
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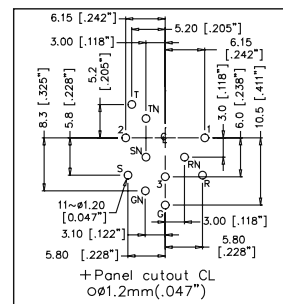
ACJC9H & ACJC9HL



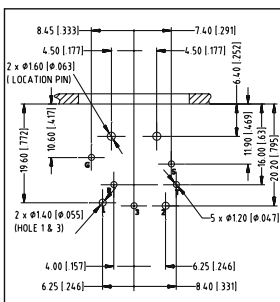
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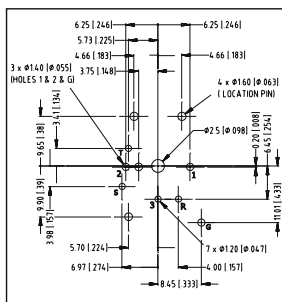
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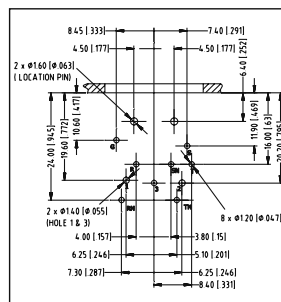
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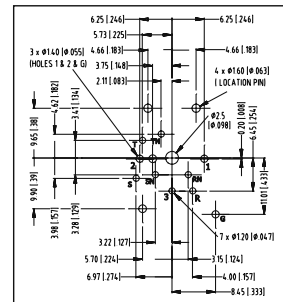
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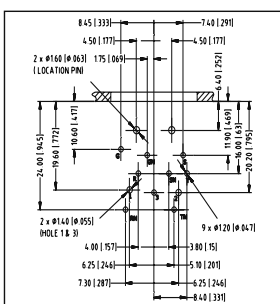
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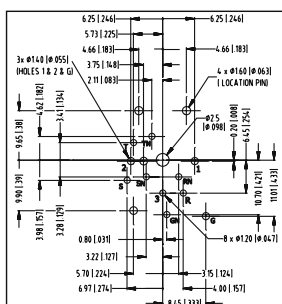
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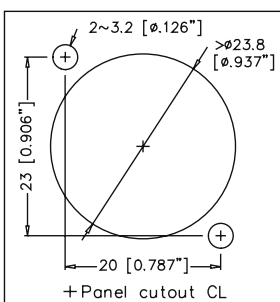
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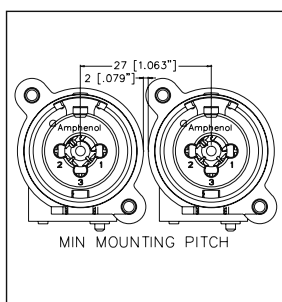
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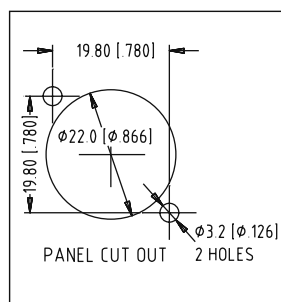
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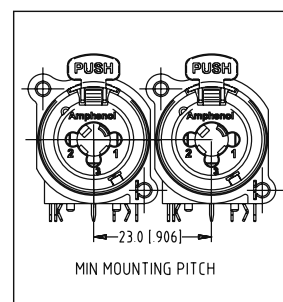
C TYPE PANEL CUTOUT



C TYPE MOUNTING PITCH



C TYPE LOW PROFILE PANEL CUTOUT



C TYPE LOW PROFILE MOUNTING PITCH

STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VALUE	
		LOW PROFILE TYPE	STANDARD C TYPE
GENERAL CHARACTERISTICS	Number of contacts	5, 6, 9 or 10	
	Termination	Printed Circuit Board (PCB)	Printed Circuit Board (PCB) or Solder Bucket
	Flammability	UL 94HB	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	50V	
	Test Voltage AC RMS	1500V	
	Current carrying capacity	7.5A	
	Typical Contact Resistance	≤50mΩ	
	Insulation Resistance (initial)	> 0.5GΩ	
	Insulation Resistance (after damp heat test)	> 0.2GΩ	
CLIMATIC CHARACTERISTICS	Protection Class	IP40	
	Operating Temperature	-25 °C to +70 °C	
MECHANICAL CHARACTERISTICS	Weight**	9.2g (0.02lb)	14g (0.030lb)
	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	PA6.6 + 30% glass fibre reinforced, UL94HB	PA6.6 + 20% glass fibre reinforced, UL94HB
	Shell Finish		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	Nickel Plated	
	Ground element	Nickel Plated	Silver over Copper plated

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

***Refer to Page 152

Rev 6 - 03/2013

XLR Connectors

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
PCB Footprints: Page 69

Specifications: Page 68
Panel Cutouts: Page 98

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		Male cable connector, Machined contacts, Nickel Finish	3 pole	AG3M
			4 pole	AG4M
			5 pole	AG5M
			6 pole	AG6M
		Female cable connector, Stamped contacts, Nickel Finish	3 pole	AG3F
			4 pole	AG4F
			5 pole	AG5F
			6 pole	AG6F
		Female cable connector with locking ring, Stamped contacts, Nickel Finish.	3 pole	AG3FL
			4 pole	AG4FL
			5 pole	AG5FL
			6 pole	AG6FL
		Male chassis connector, Machined contacts, Nickel Finish	3 pole	AG3MCC
			4 pole	AG4MCC
			5 pole	AG5MCC
			6 pole	AG6MCC
		Female chassis connector, Stamped contacts, Nickel Finish	3 pole	AG3FCE
			4 pole	AG4FCE
			5 pole	AG5FCE
			6 pole	AG6FCE
		Male chassis connector, Horizontal PCB, Machined contacts, Nickel Finish	3 pole	AG3MCCH
			4 pole	AG4MCCH
			5 pole	AG5MCCH
			6 pole	AG6MCCH
		Female chassis connector, Horizontal PCB, Stamped contacts, Nickel Finish	3 pole	AG3FCCH
			4 pole	AG4FCCH
			5 pole	AG5FCCH
			6 pole	AG6FCCH

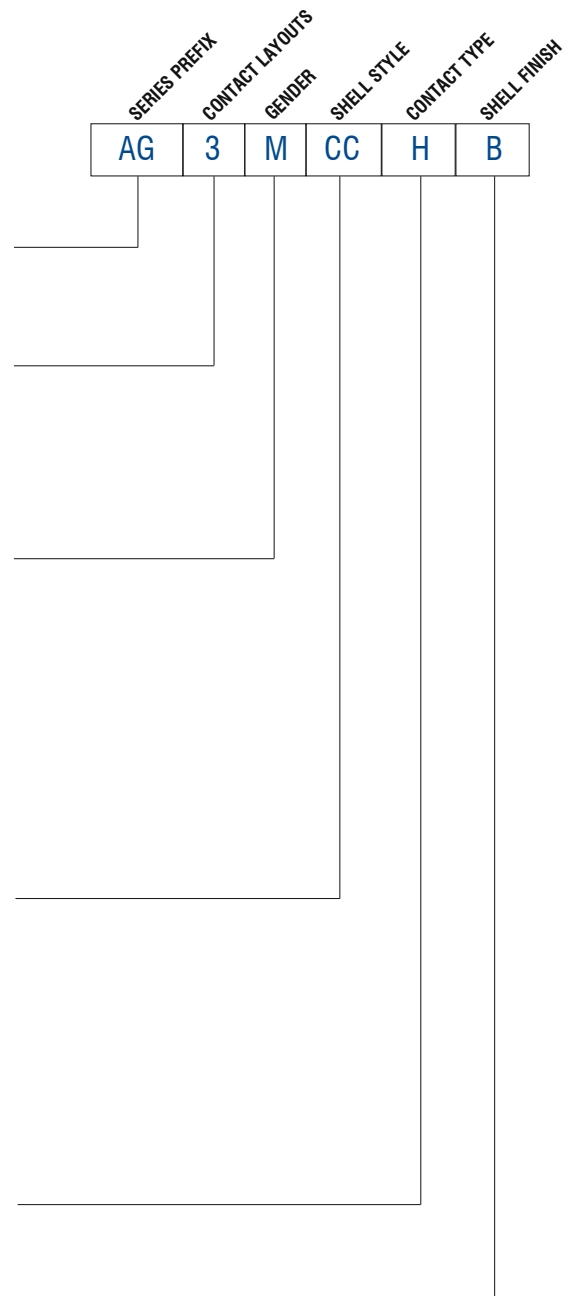
		Male chassis connector, Horizontal PCB, Machined contacts, Thermoplastic shell	4 pole	AG4MPCH
		Female chassis connector, Stamped contacts, Nickel Finish	3 pole	AG3FCRV
			4 pole	AG4FCRV
			5 pole	AG5FCRV
			6 pole	AG6FCRV

PART NUMBER BREAKDOWN

G TYPE CONNECTORS

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

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	H	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
	Blank	=	Nickel Plated Finish
SHELL FINISH	B	=	Black Finish



XLR Connectors

G-Type Miniature XLR Connectors

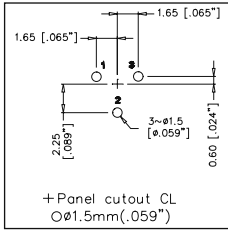
STANDARD DATA G TYPE

		VALUE			
GENERAL CHARACTERISTICS	Number of Contacts	3	4	5	6
	Termination	Printed Circuit Board (PCB) or Solder Bucket			
	Max. Wire Gauge - Stranded Wire	AWG 24 - 0.2mm ²			AWG 28 - 0.08mm ²
	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			

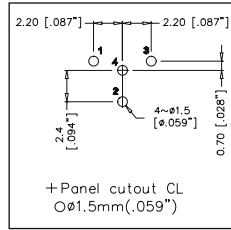
¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.
Not suitable for voltages over 50V.

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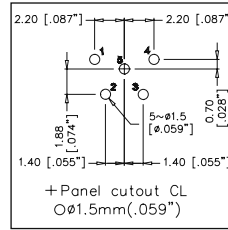
PANEL CUTOUTS - CONNECTOR SIDE OF PCB



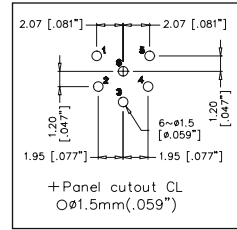
AG3MCC



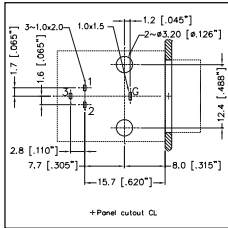
AG4MCC



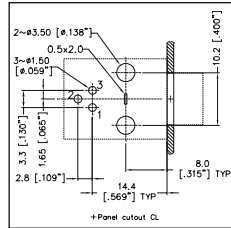
AG5MCC



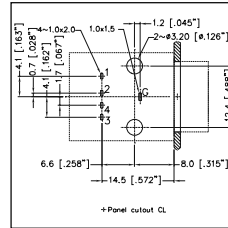
AG6MCC



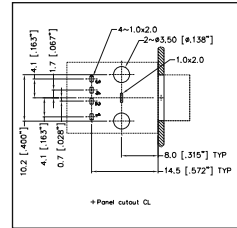
AG3FCCH



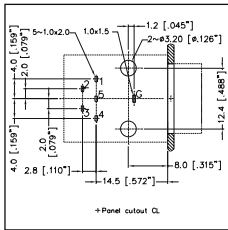
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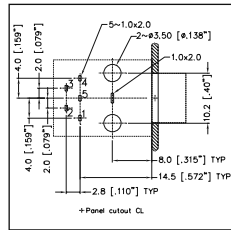
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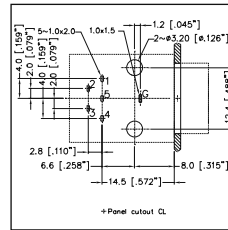
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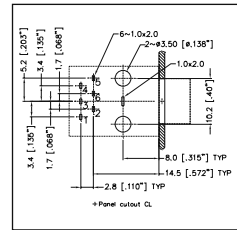
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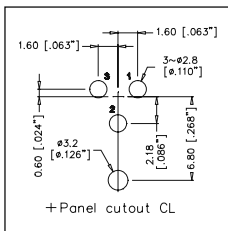
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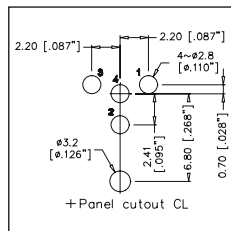
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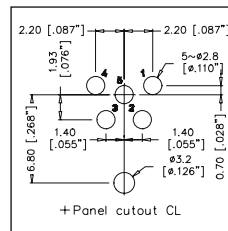
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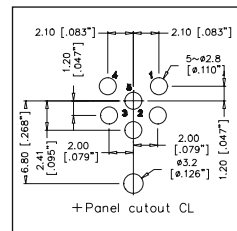
AG3FCRV



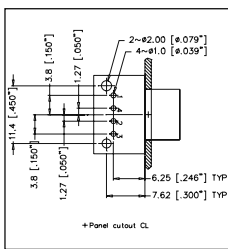
AG4FCRV



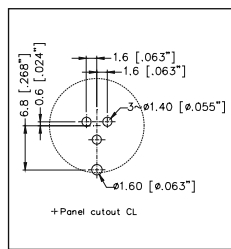
AG5FCRV



AG6FCRV

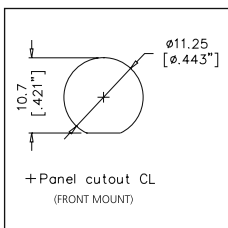


AG4MPCH

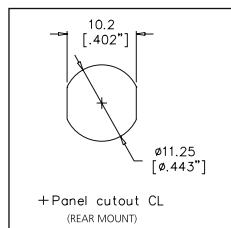


AG3FCE

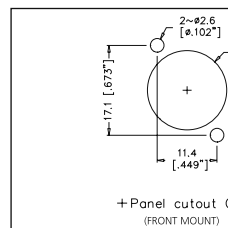
PANEL CUTOUTS - FRONT VIEW



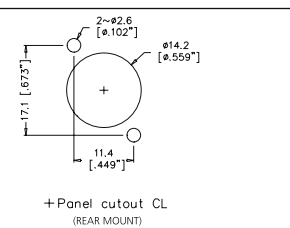
**AG3MCC
AG4MCC
AG5MCC
AG6MCC**



**AG3MCCH
AG4MCCH
AG5MCCH
AG6MCCH
AG4MPCH**



**AG3FCRV
AG4FCRV
AG5FCRV
AG6FCRV**



**AG3FCRV
AG4FCRV
AG5FCRV
AG6FCRV**