XLR Connectors

AX Series XLR Cable Connectors



AX SERIES XLR CABLE CONNECTORS

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

Features

- Unique Australian designed shell and housing.
- One piece ground / latch spring design incorporating twin wipe contacts for a direct connection path from mating shell to ground providing enhanced connection and EMI performance.
- Ergonomic sleeve design for improved grip.
- Channel I.D capability with coloured sleeves.
- Oversized ergonomic latch for quick and easy mating.
- Leading first mate last break pin 1 on socket connectors.
- Chuck style cable clamp to suit 3mm - 8mm (0.118” - 0.314”) cable 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.

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.

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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.

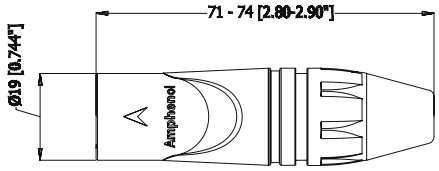
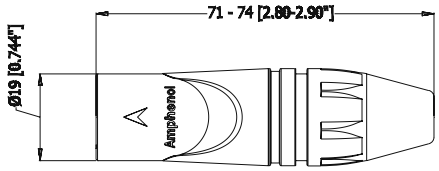
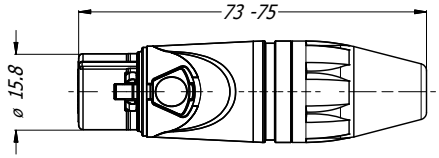
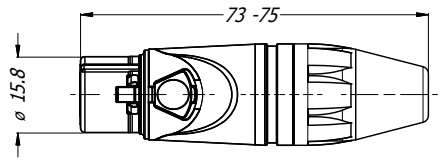
Options:

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

Part Number Breakdown: Page 7

Specifications: Page 10

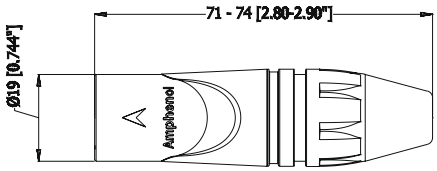
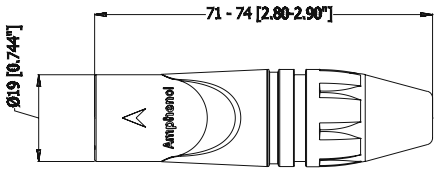
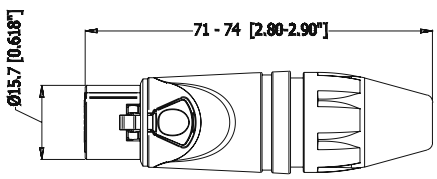
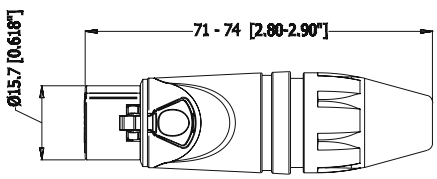
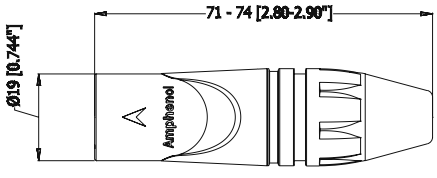
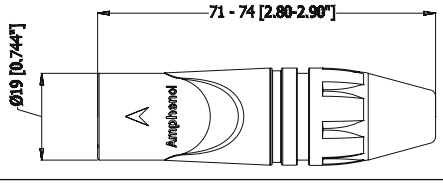
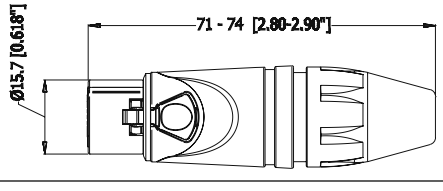
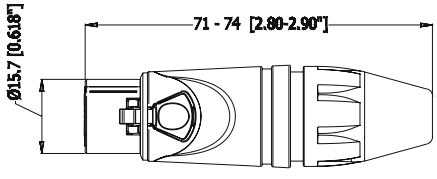
Assembly Instructions: Page 8 & 9

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male Machined contacts Nickel Finish	Standard	AX3M
			Bulk Pack	AX3M BULK
		XLR 3 pole male Machined contacts Black Finish	Standard	AX3MB
			Gold Plated Contacts	AX3MB-AU
			Bulk Pack	AX3MB BULK
		XLR 3 pole female Stamped contacts Nickel Finish	Standard	AXX3F
			Bulk Pack	AXX3F BULK
		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

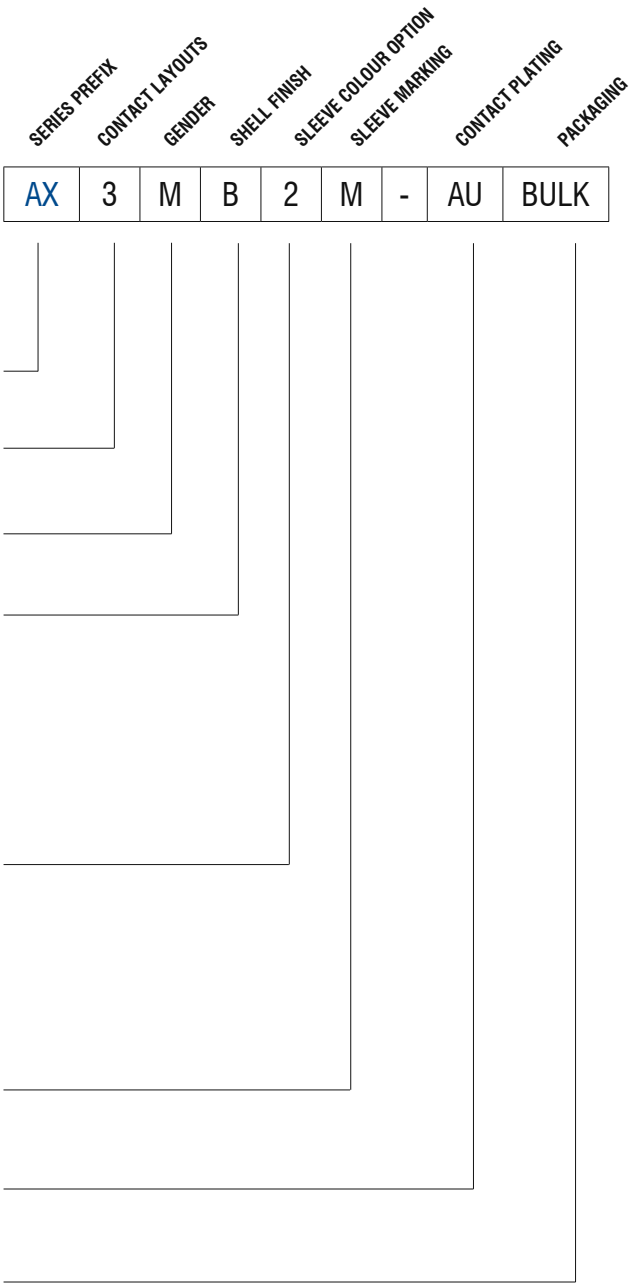
XLR Connectors

AX Series XLR Cable Connectors

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male Machined contacts Nickel Finish	Standard	AX4M
			Bulk Pack	AX4M BULK
		XLR 4 pole male Machined contacts Black Finish	Standard	AX4MB
			Gold Plated Contacts	AX4MB-AU
			Bulk Pack	AX4MB BULK
		XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
			Bulk Pack	AX4F BULK
		XLR 4 pole female Machined contacts Black Finish	Standard	AX4FB
			Gold Plated Contacts	AX4FB-AU
			Bulk Pack	AX4FB BULK
		XLR 5 pole male Machined contacts Nickel Finish	Standard	AX5M
			Bulk Pack	AX5M BULK
		XLR 5 pole male Machined contacts Black Finish	Standard	AX5MB
			Gold Plated Contacts	AX5MB-AU
			Bulk Pack	AX5MB BULK
		XLR 5 pole female Machined contacts Nickel Finish	Standard	AX5F
			Bulk Pack	AX5F BULK
		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, **M**ale, **B**lack Finish,
2 (Red Sleeve) **M** (Sleeve Marking) - **AU** (Gold Plated Contacts), **Bulk** Packaged.

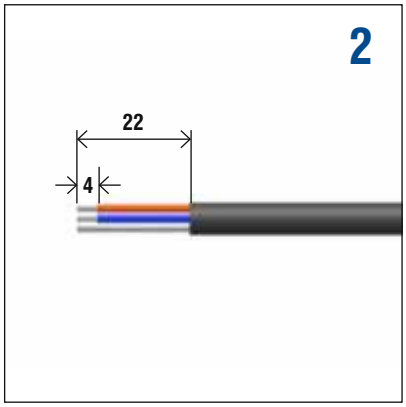
SERIES PREFIX	AX	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Black Finish
SLEEVE COLOUR OPTION	Blank	=	Black
	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green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

PI539 ASSEMBLY INSTRUCTIONS

AX SERIES FEMALE XLR CABLE CONNECTOR



Slide the nut (Backshell) onto the cable



Strip the cable



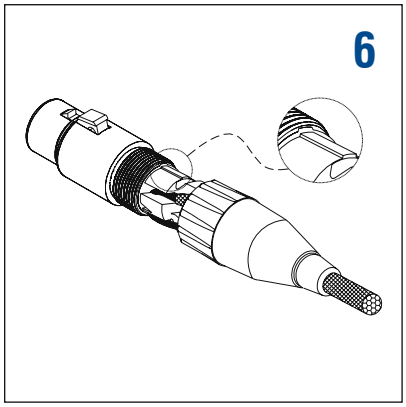
Push back the insert only enough to expose the solder buckets. It is not necessary to remove the insert. Solder the wires to the contacts.



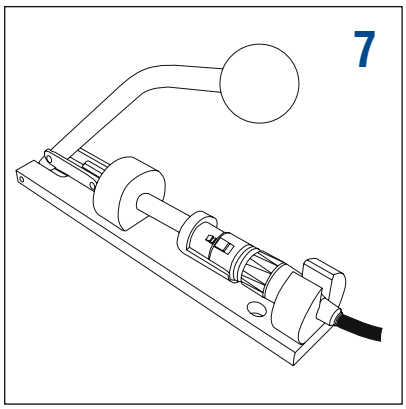
Install the cable clamp, flush to the insert making sure to align the top slot with the spring. Then push the insert & cable clamp together into the shell.



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



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.

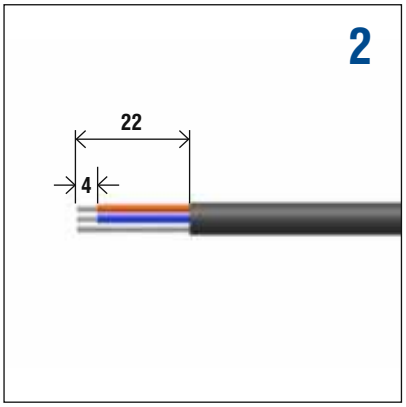
Rev 1 - 03/2009

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.



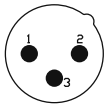
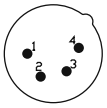
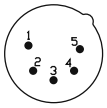
Align the key of the insert with the keyway on the shell then push the pin insert & cable clamp together in the shell.



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

Rev 1 - 03/2009

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
	Typicial 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.

Rev 3 - 03/2013



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



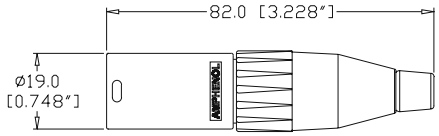
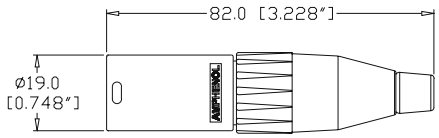
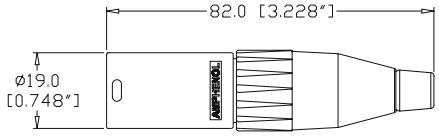
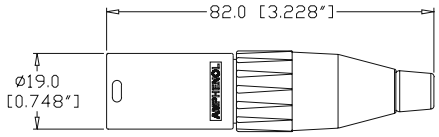
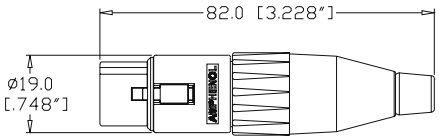
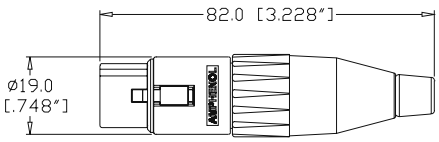
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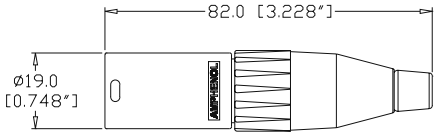
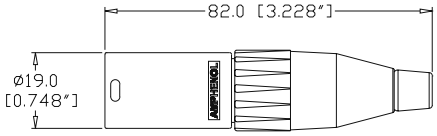
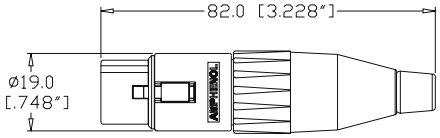
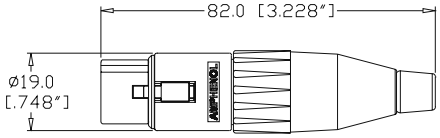
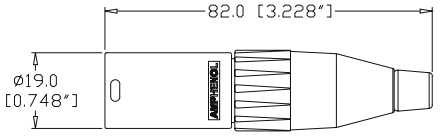
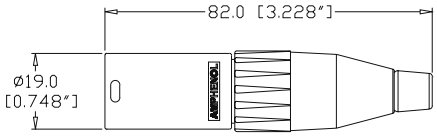
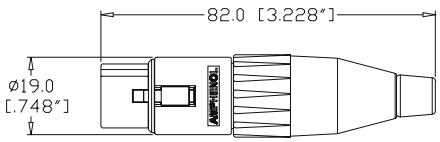
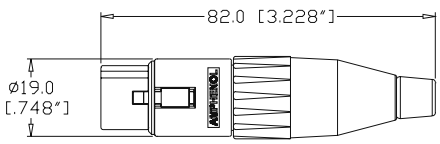
- Zinc Diecast Shell.
- Solder Bucket connections.
- "Jaws" Cable Retention System.
- Contact layouts in 3, 4, 5, 6A and 7.
- Precision machined or Stamped contacts.
- Leading first mate last break socket contact.
- Quick and easy assembly without screws – by hand or portable termination tool. (Part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

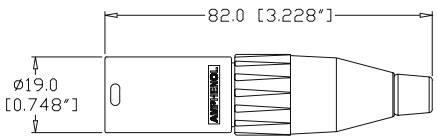
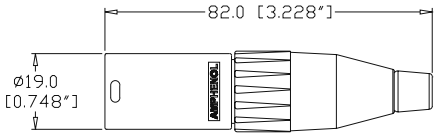
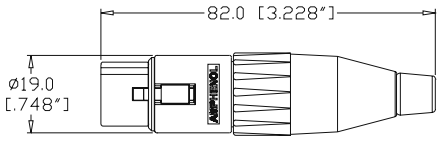
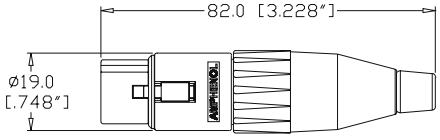
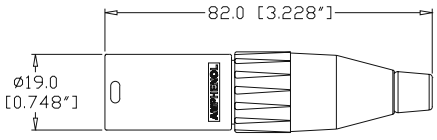
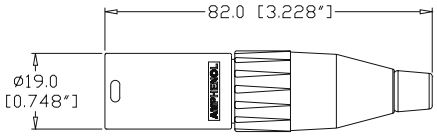
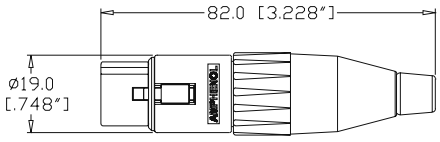
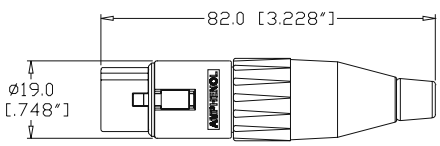
Specifications: Page 17

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

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
			Bulk Pack	AC4MB BULK
		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
			Bulk Pack	AC4FB BULK
		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
			Bulk Pack	AC5MB BULK
		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
			Bulk Pack	AC5FB BULK

XLR Connectors

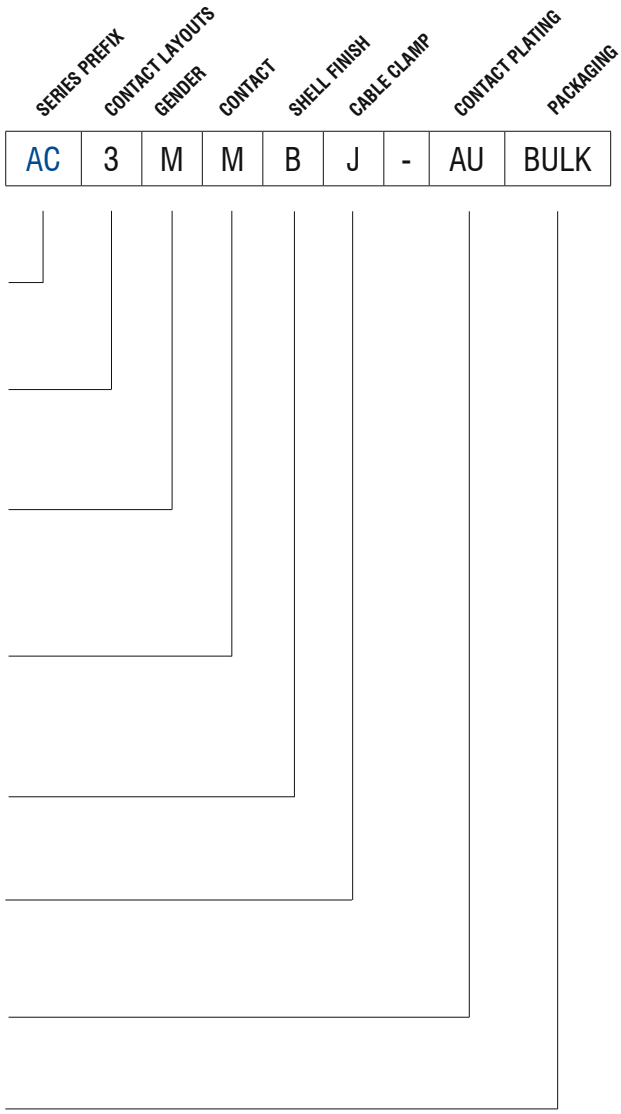
AC Series XLR Cable Connectors

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
			Bulk Pack	AC6AMB BULK
		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
			Bulk Pack	AC6AFB BULK
		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, **M**ale, **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
CONTACT[1]	Blank	=	Stamped Contacts
	M	=	Machined Contacts
	G	=	Stamped Contacts, Ground Tag
	MG	=	Machined Contacts, Ground Tag (Applicable 3 male pin contacts, option M & MG only)
SHELL FINISH[2]	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 PLATING[3]	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 156 and simply add colour to end of part number. Example: AC3MM - RED

XLR Connectors

AC Series XLR Cable Connectors

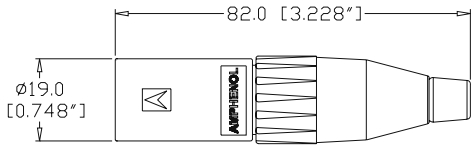
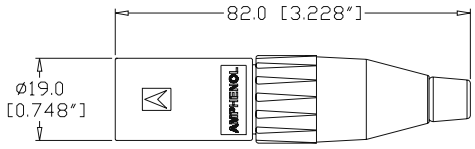
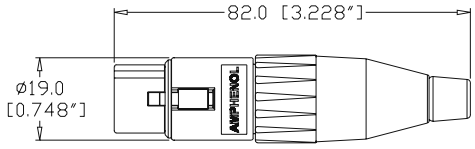


Features:

- 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.)

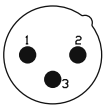
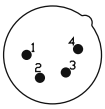
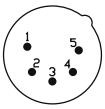
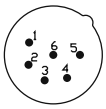
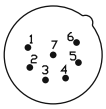
Options: Gold Plated Contacts, Stamped Contacts (3 Contact only), Bulk Pack, Coloured Boots / Backshells
3, 4, 5, 6A and 7 Contacts.

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

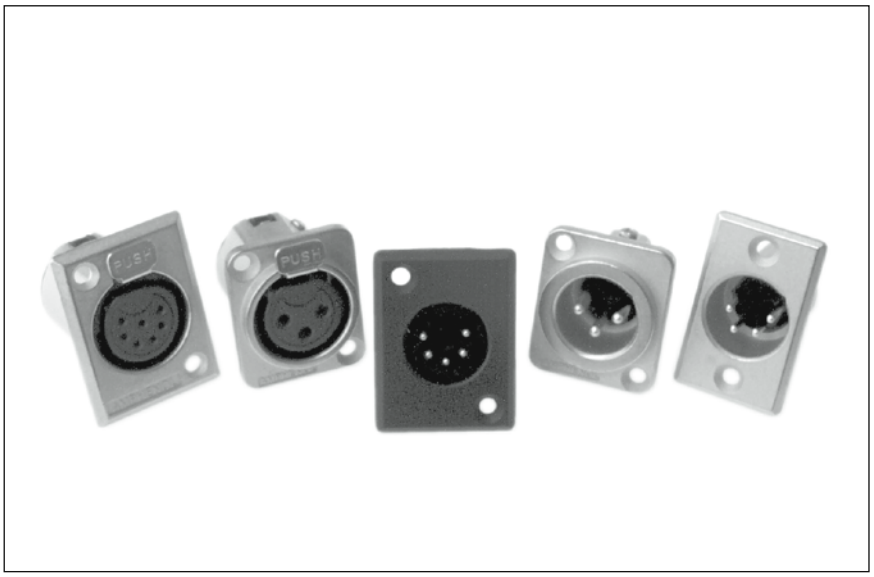
			VALUE				
GENERAL CHARACTERISTICS	Number of contacts		3	4	5	6A	7
	AC Series Contact Arrangements (Front view of pin inserts)						
	Termination		SOLDER				
	Max. Wire Gauge - Stranded wire: Solder		14AWG	16AWG	18AWG		20AWG
	Flammability rating (insulator plastics & housings)		UL94V-0				
	Environmental		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 156				
	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.

Rev 6 - 03/2015

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.



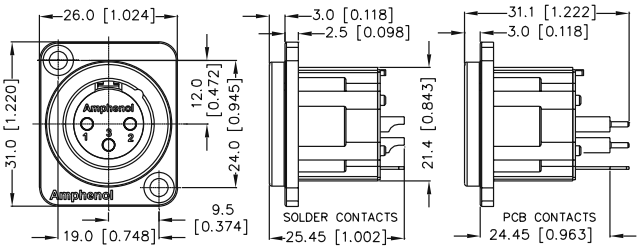
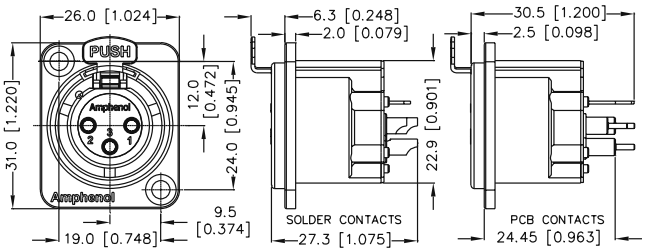
Features:

- 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.

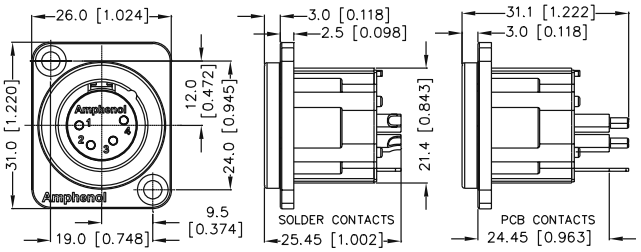
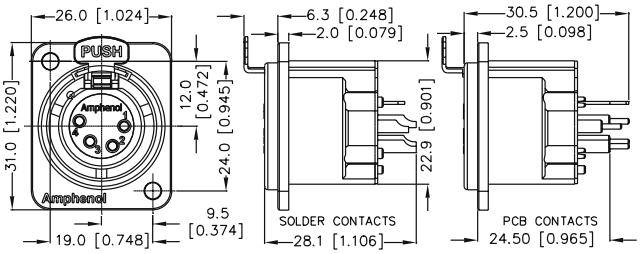
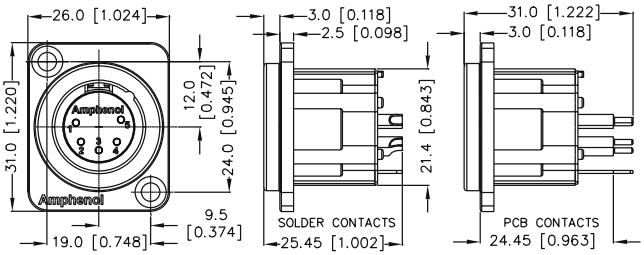
Part Number Breakdown: Page 22

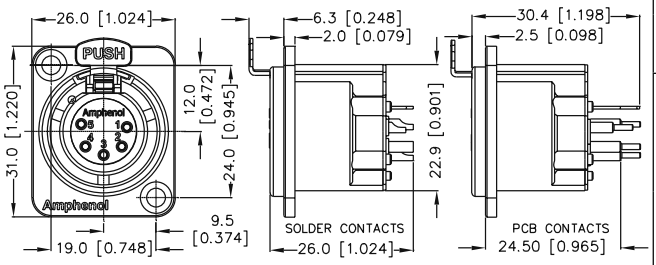
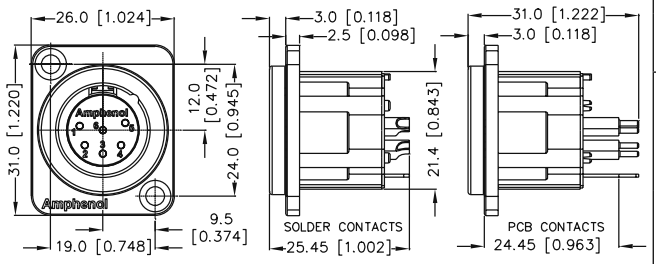
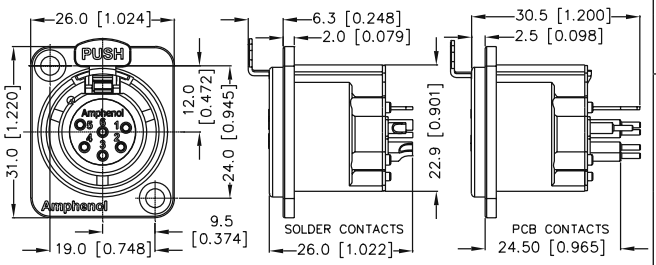
Specifications: Page 28

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
			M3 Threaded Holes	AX3MDVB-M3
		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

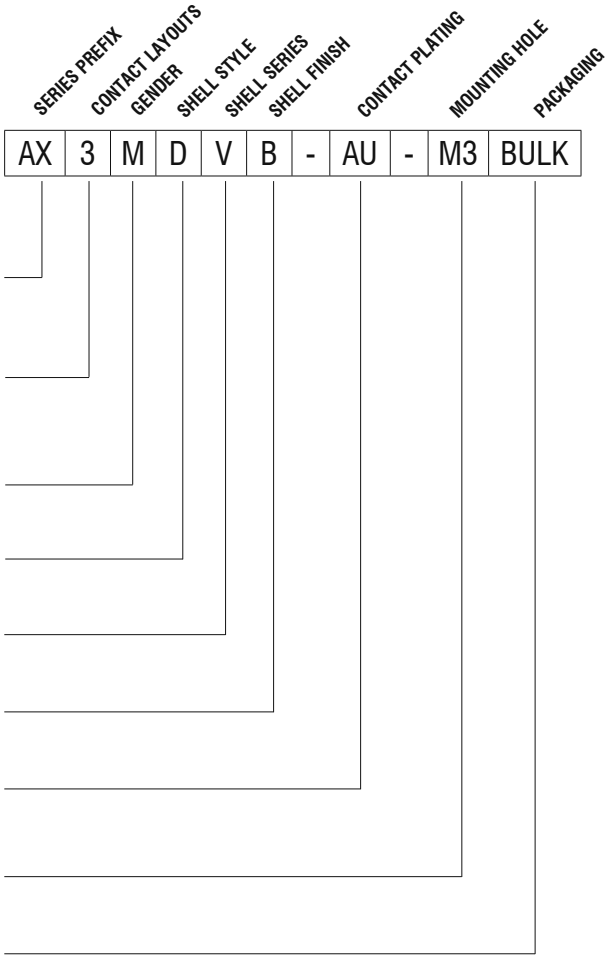
PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
		XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AX5FD
			M3 Threaded Holes	AX5FD-M3
			Vertical PCB	AX5FDV
			M3 Threaded Holes	AX5FDV-M3
		XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	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	AX6FADB-AU
			Vertical PCB	AX6AFDVB

PART NUMBER BREAKDOWN

METAL TYPE FLANGE

E. G . **AX3MDVB-AU-M3 BULK**
AX (Series Prefix), **3** contacts, **M**ale, **D** Small Flange, **V**ertical PCB Contact, **B**lack 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 FINISH[1]	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING[2]	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.

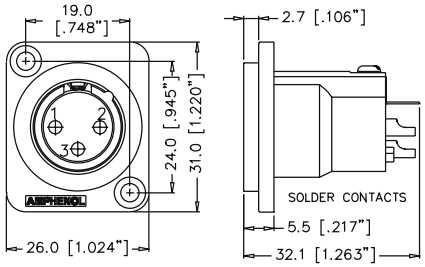
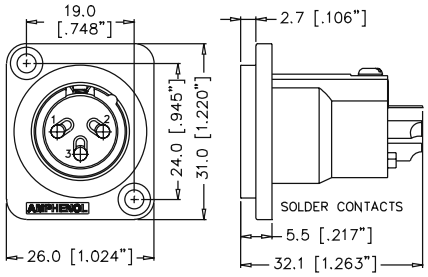
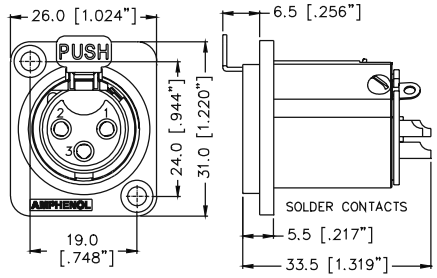


Features:

- 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.

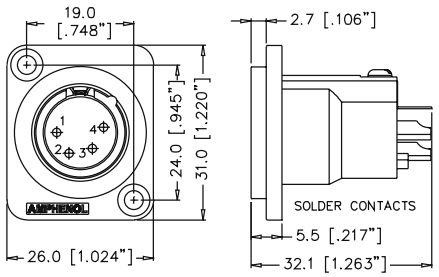
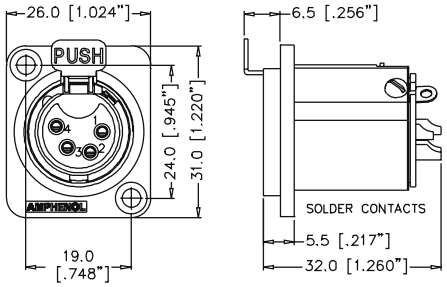
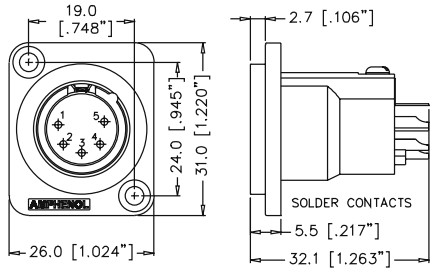
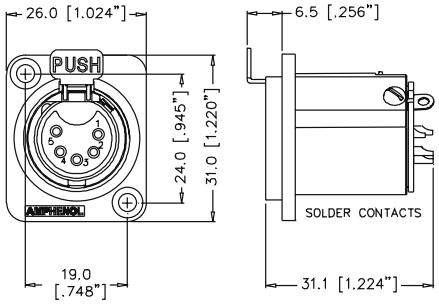
Options: Stamped contacts (3 contact only), Gold plated contacts, Black finish, Non-Latching (Female only), Bulk Pack.

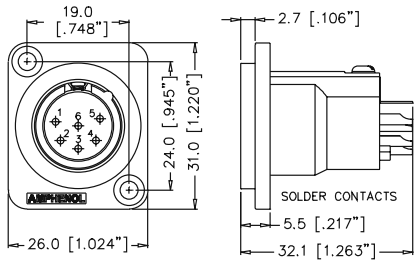
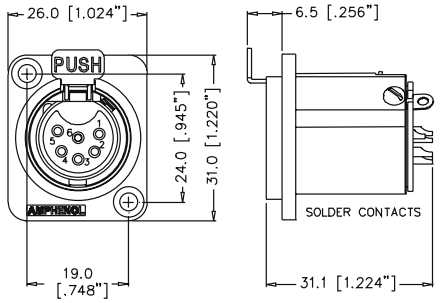
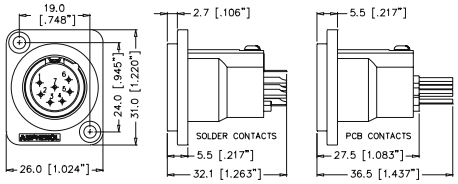
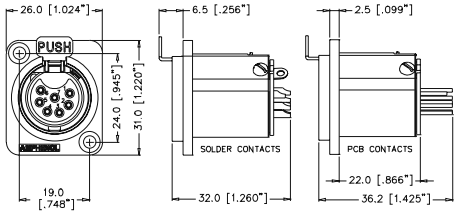
Part Number Breakdown: Page 27
Specifications: Page 28
PCB Footprints: Page 29
Panel Cutouts: Page 29

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC3MMDZ
			Bulk Pack	AC3MMDZ BULK
		XLR 3 pole male, D Flange, Machined contacts, Black Finish	Standard	AC3MMDZB
			Gold Plated Contacts	AC3MMDZB-AU
		XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ
			Bulk Pack	AC3MDZ BULK
		XLR 3 pole male, D Flange, Stamped contacts, Black Finish	Standard	AC3MDZB
			Gold Plated Contacts	AC3MDZB-AU
		XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZ
			Bulk Pack	AC3FDZ BULK
		XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Standard	AC3FDZB
			Gold Plated Contacts	AC3FDZB-AU

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 Dimensions in mm (inches)	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

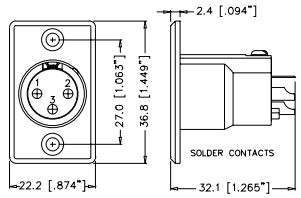
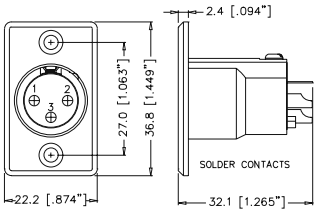
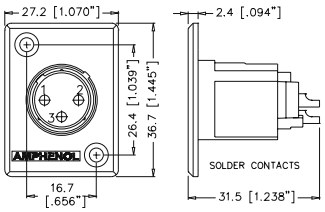
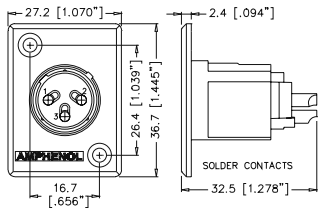
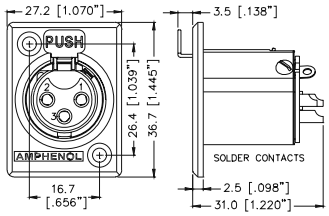


Features:

- 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**

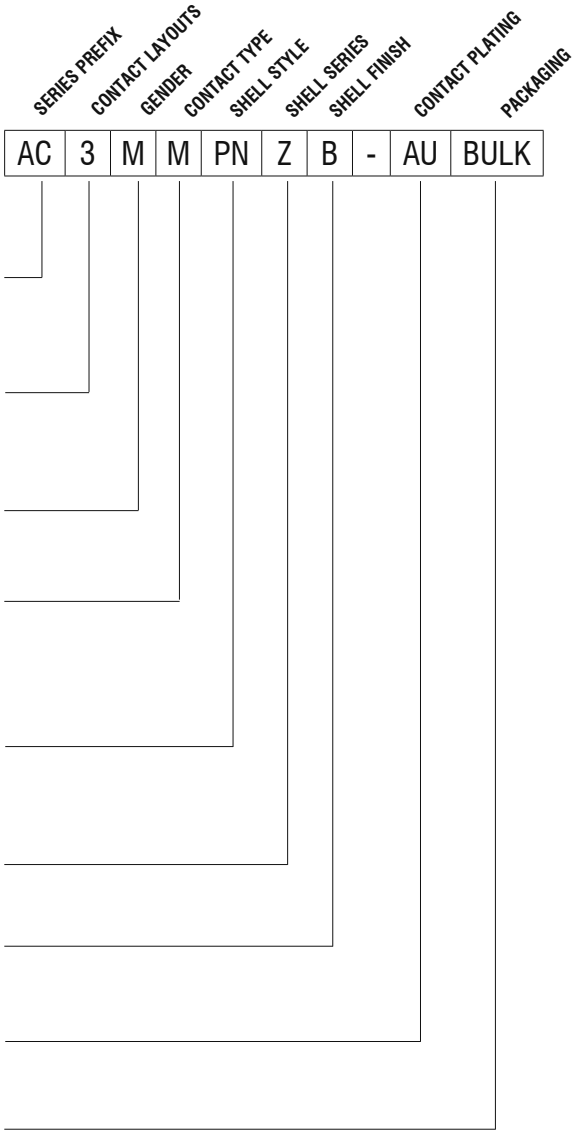
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	POLES	PART NUMBER
		XLR male, Narrow flange, Machined contacts	3	AC3MMPNZ
		XLR male, Narrow flange, Stamped contacts,	3	AC3MPNZ
			4	AC4MPNZ
			5	AC5MPNZ
			6	AC6AMPNZ
			7	AC7MPNZ
		XLR male, Wide flange, Machined contacts	3	AC3MMP
		XLR male, Wide flange, Stamped contacts	3	AC3MP
			4	AC4MP
			5	AC5MP
			6	AC6AMP
			7	AC7MP
		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, **M**ale, **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 CONTACTS[1]	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 FINISH[2]	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING[3]	Blank	=	Standard Plating (Silver or Tin - refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

Note:

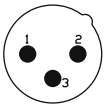
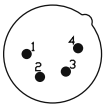
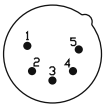
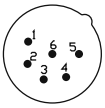
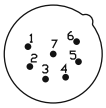
[1] 4 - 7 contact connectors have machined contacts and grounding as standard. They are not available in stamped contacts.

[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 Printed Circuit Board - PCB	 14AWG N/A	 16AWG N/A	 18AWG N/A	 18AWG N/A	 20AWG N/A
	Flammability rating of plastics	UL94V-0				
	Environmental	Complies with EU RoHS 2 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	 5A 5A
	Typical Contact Resistance	≤3mΩ				
	Insulation Resistance	≥1000MΩ				
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
	Operating Temperature	-25˚C to +75˚C (-13°F to +167°F)				
MECHANICAL CHARACTERISTICS	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) Machined Solder-(Material/Plating)	 Phosphor Bronze / Silver or Gold (optional) Brass / Silver or Gold (optional)				
	Female Contact Stamped Solder and PCB-(Material/Plating) Machined Solder-(Material/Plating)	 Phosphor Bronze / Tin or Gold (optional) Brass / Silver or Gold (Optional)				

Rev 4 - 02/2020

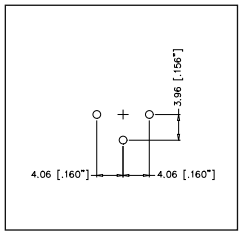
[1)] Not suitable for domestic applications above 50V

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

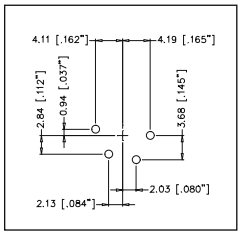
AC / AX SERIES CHASSIS METAL "Z"

PCB FOOTPRINTS STRAIGHT (V) CONNECTOR SIDE OF PCB

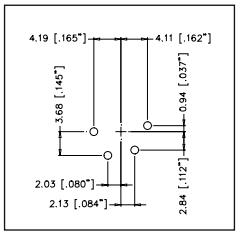
○ ø1.2mm(.05") + Panel Cutout CL



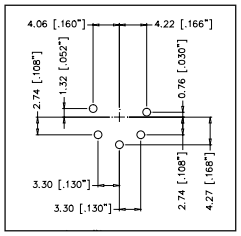
AC3MM*ZV



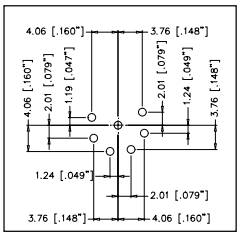
AC4F*ZV



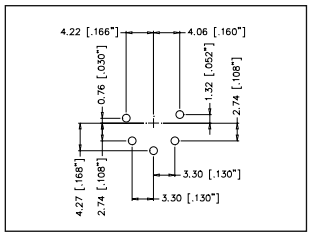
AC4M*ZV



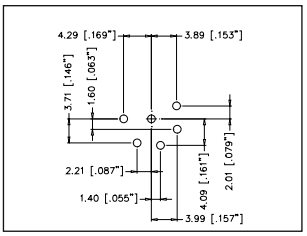
AC5F*ZV



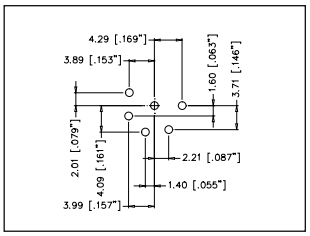
AC7M*ZV



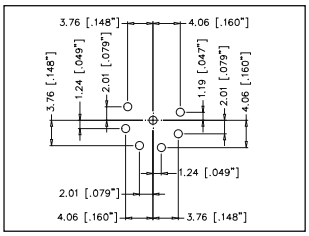
AC5M*ZV



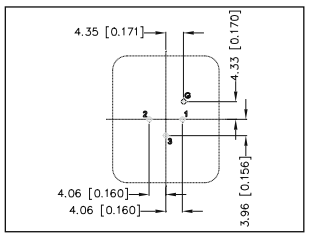
AC6AF*ZV



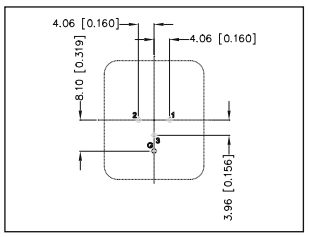
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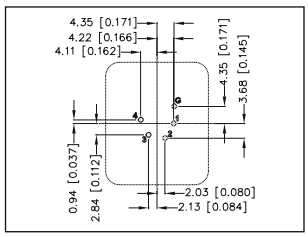
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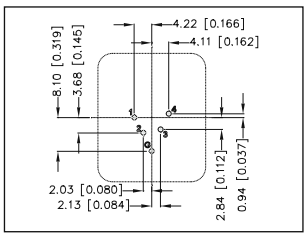
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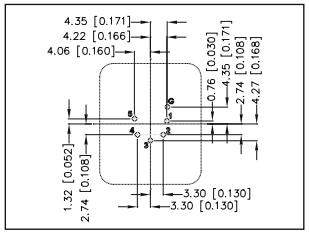
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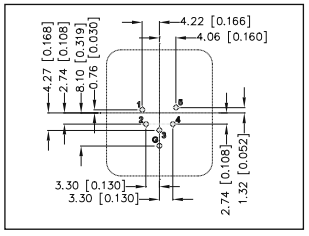
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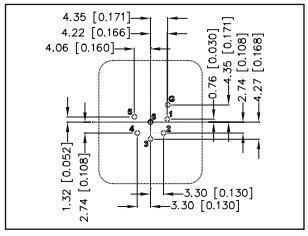
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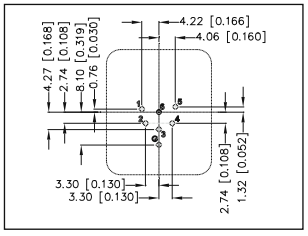
AX5FD



AX5MD

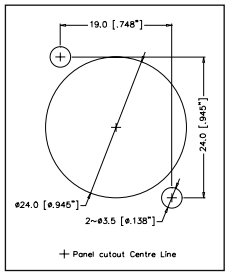


AX6AFD

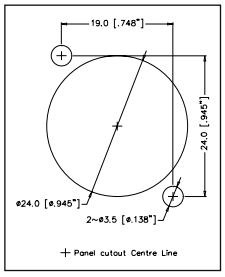


AX6AMD

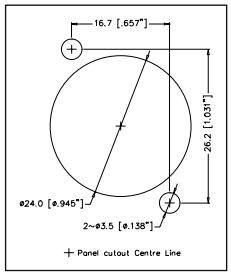
PANEL CUTOUT DIMENSIONS FRONT VIEW



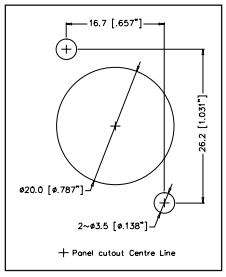
AC*FDZ / AX*FD



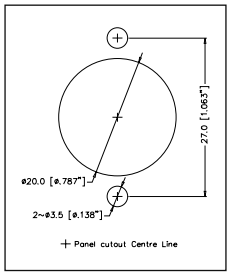
AC*MDZ / AX*MD



AC*FPZ



AC*MP



AC*MPNZ



XLR IP65 CONNECTORS

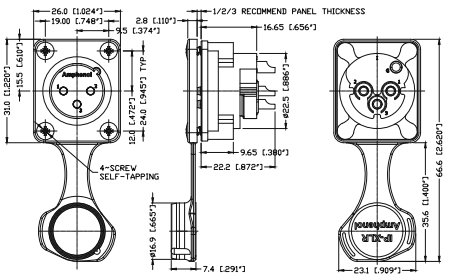
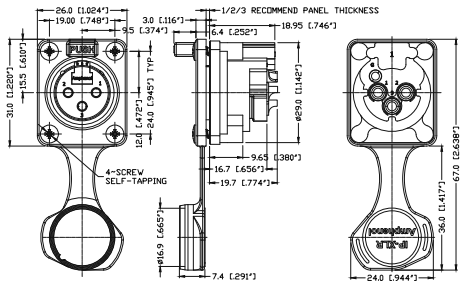
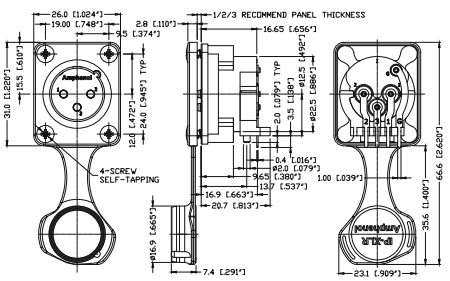
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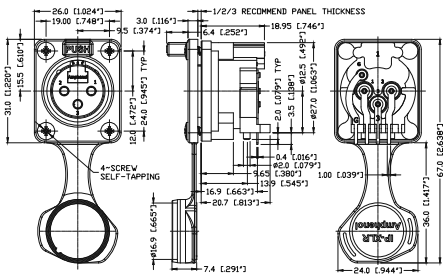
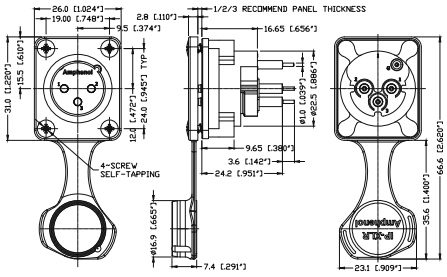
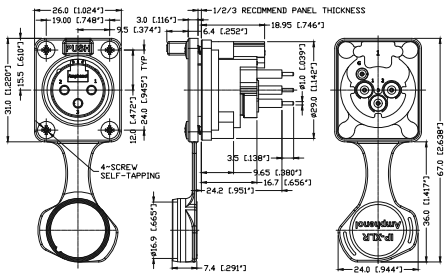
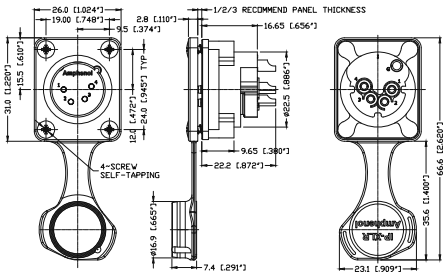
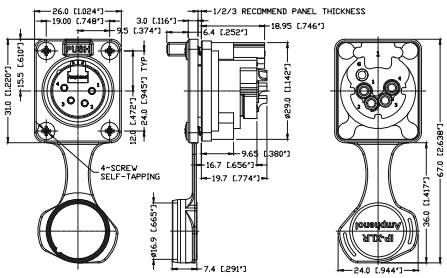
- IP65 Rated.
- Rear mounted thermoplastic shell housing aids in pre-assembly for PCB applications.
- Front mounted overmolded metal gasket sealing plate for superior panel sealing .
- Solder Bucket connections.
- Vertical or Horizontal PCB mounting.
- Available to suit three different panel thicknesses 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 .

Options:

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

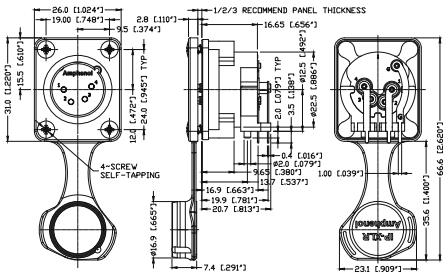
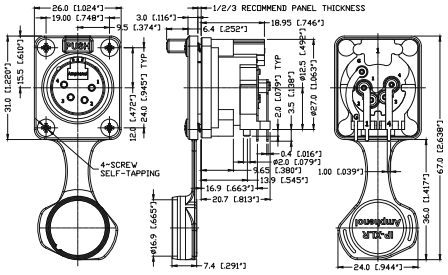
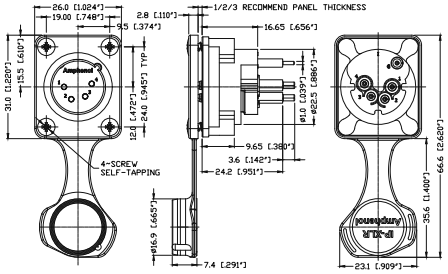
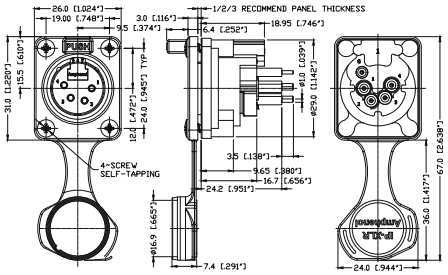
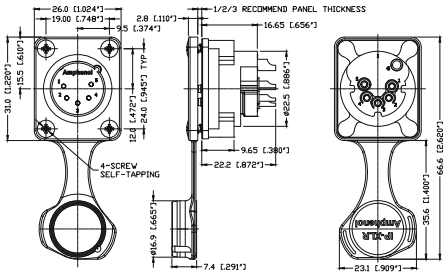
Part Number Breakdown: Page 34
Specifications: Page 35

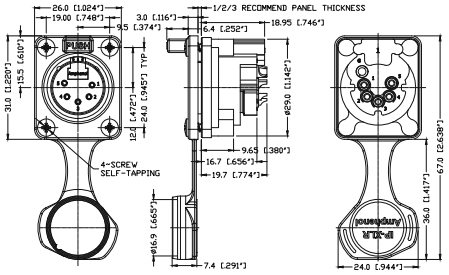
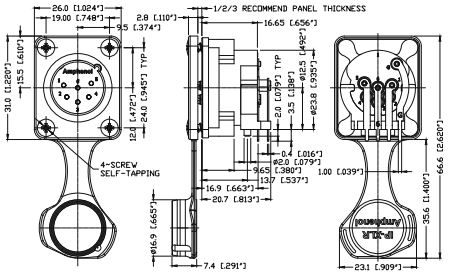
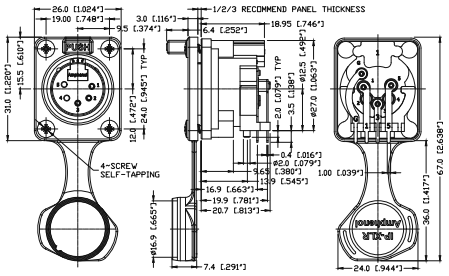
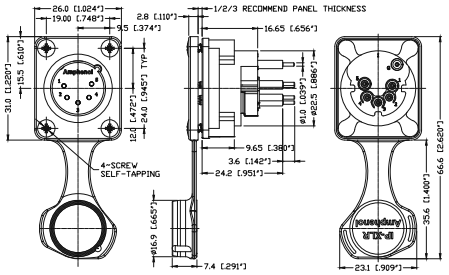
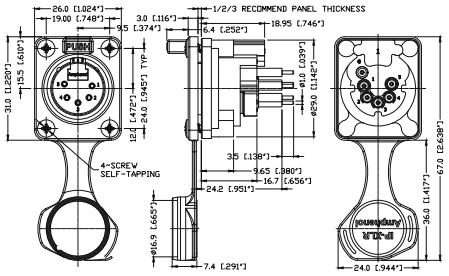
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male chassis with protective cap , IP65, Solder bucket, Rear mount	Panel 1.0mm to 1.5mm	AXS3MP
			Panel 1.5mm to 2mm	AXS3MP1
			Panel 2mm to 3mm	AXS3MP2
		XLR 3 pole female chassis chassis with protective cap , IP65, Solder bucket, Rear mount	Panel 1.0mm to 1.5mm	AXS3FP
			Panel 1.5mm to 2mm	AXS3FP1
			Panel 2mm to 3mm	AXS3FP2
		XLR 3 pole male chassis with protective cap , IP65, Horizontal PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS3MPH
			Panel 1.5mm to 2mm	AXS3MP1H
			Panel 2mm to 3mm	AXS3MP2H

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female chassis chassis with protective cap , IP65, Horizontal PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS3FPH
			Panel 1.5mm to 2mm	AXS3FP1H
			Panel 2mm to 3mm	AXS3FP2H
		XLR 3 pole male chassis with protective cap , IP65, Vertical PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS3MPV
			Panel 1.5mm to 2mm	AXS3MP1V
			Panel 2mm to 3mm	AXS3MP2V
		XLR 3 pole female chassis chassis with protective cap , IP65, Vertical PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS3FPV
			Panel 1.5mm to 2mm	AXS3FP1V
			Panel 2mm to 3mm	AXS3FP2V
		XLR 4 pole male chassis with protective cap , IP65, Solder bucket, Rear mount	Panel 1.0mm to 1.5mm	AXS4MP
			Panel 1.5mm to 2mm	AXS4MP1
			Panel 2mm to 3mm	AXS4MP2
		XLR 4 pole female chassis chassis with protective cap , IP65, Solder bucket, Rear mount	Panel 1.0mm to 1.5mm	AXS4FP
			Panel 1.5mm to 2mm	AXS4FP1
			Panel 2mm to 3mm	AXS4FP2

XLR Connectors

XLR IP65 Connectors

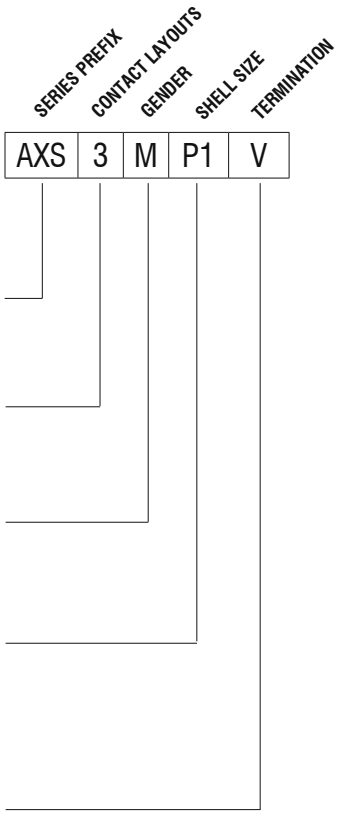
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male chassis with protective cap , IP65, Horizontal PCB, Rear mount	Panel 1.0mm to 1.5mm	AXS4MPH
			Panel 1.5mm to 2mm	AXS4MP1H
			Panel 2mm to 3mm	AXS4MP2H
		XLR 4 pole female chassis chassis with protective 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
		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
		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 Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 5 pole female chassis 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 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 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

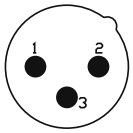
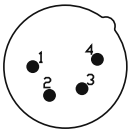
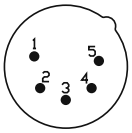
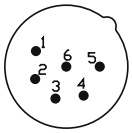
CHASSIS CONNECTORS

E. G . **AXS3MP1V**
AXS (Series Prefix), **3** contacts, **M**ale, **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.

Rev 2 - 10/2024