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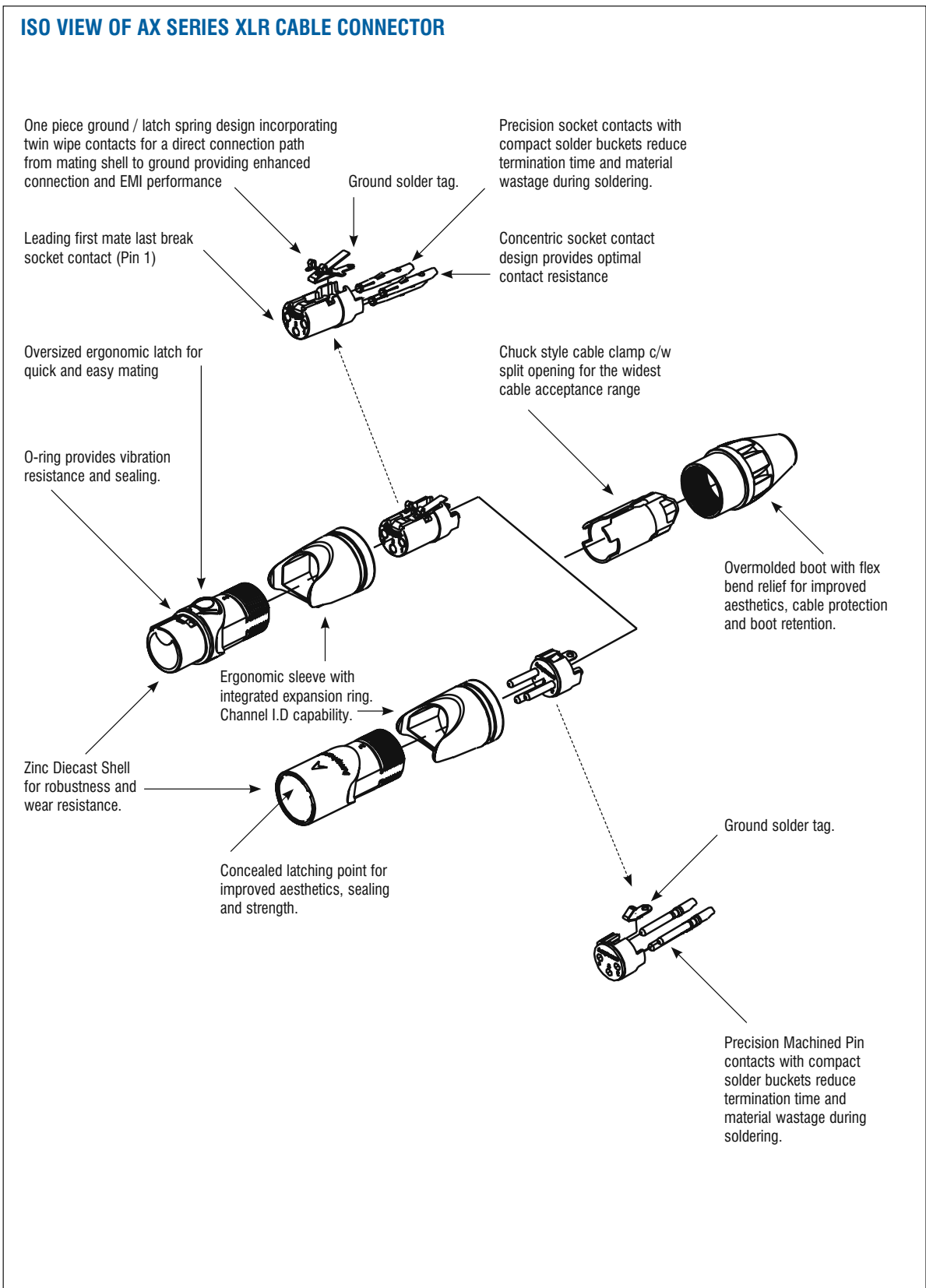


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ISO VIEW OF AX SERIES XLR CABLE CONNECTOR





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.



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.


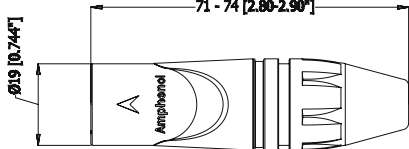

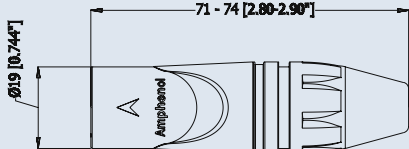

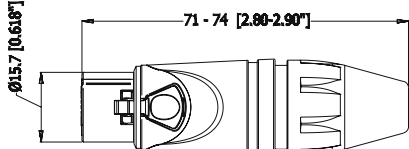

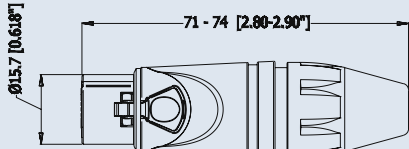

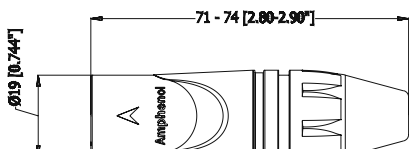
Options:

- Coloured I.D sleeves.
- Clear I.D Sleeve for connector marking.
- Satin nickel or Matt black shell finish.
- Single or Bulk packaging.

Part Number Breakdown: Page 6

Specifications: Page 7

Assembly Instructions: PI538*

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 Gold Plated Contacts Bulk Pack	AX3M AX3M-AU AX3M BULK
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 3 pole male Machined contacts Black Finish	Standard Gold Plated Contacts Bulk Pack	AX3MB AX3MB-AU AX3MB BULK
		71 - 74 [2.80-2.90"] Ø15.7 [0.618"]	XLR 3 pole female Stamped contacts Nickel Finish	Standard Gold Plated Contacts Bulk Pack	AX3F AX3F-AU AX3F BULK
		71 - 74 [2.80-2.90"] Ø15.7 [0.618"]	XLR 3 pole female Stamped contacts Black Finish	Standard Gold Plated Contacts Bulk Pack	AX3FB AX3FB-AU AX3FB BULK
		71 - 74 [2.80-2.90"] Ø19 [0.744"]	XLR 4 pole male Machined contacts Nickel Finish	Standard Gold Plated Contacts Bulk Pack	AX4M AX4M-AU AX4M BULK

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

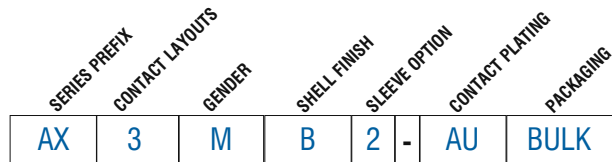


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 4 pole male Machined contacts Black Finish	Standard	AX4MB
				Gold Plated Contacts	AX4MB-AU
				Bulk Pack	AX4MB BULK
			XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
				Gold Plated Contacts	AX4F-AU
				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
				Gold Plated Contacts	AX5M-AU
				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
				Gold Plated Contacts	AX5F-AU
				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

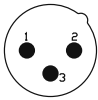
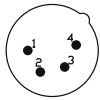
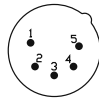


E. G. **AX3MB2-AU BULK**
AX (Series Prefix), **3** contacts, **M**ale, **B**lack Finish,
2 (Red Sleeve)- **AU** (Gold Plated Contacts), **BULK** Packaged.

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 OPTION	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
	C	=	Clear
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



STANDARD DATA AX SERIES CABLE CONNECTORS

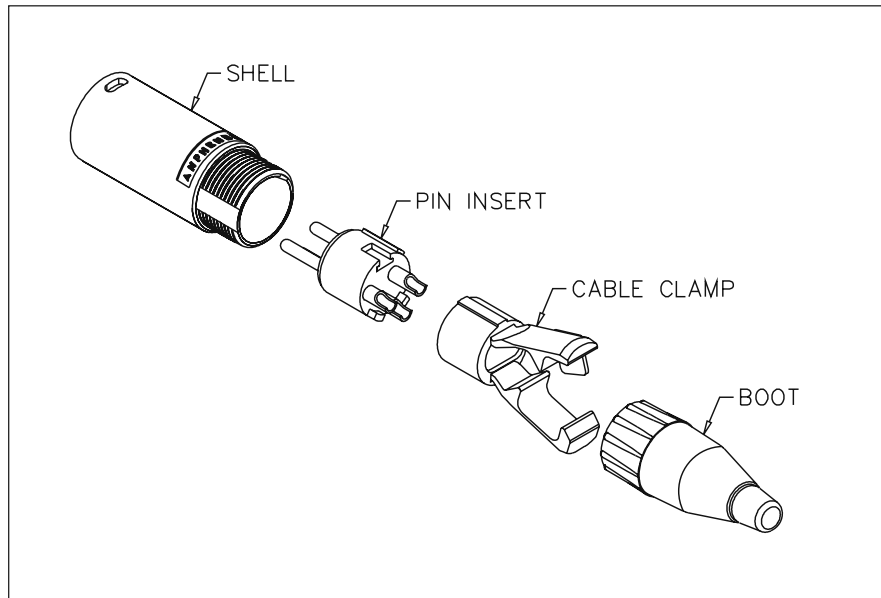
		VALUE		
GENERAL CHARACTERISTICS	Number of contacts	3	4	5
	AC Series Contact Arrangements (Front view of pin inserts)			
	Termination	SOLDER		
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG
	Flammability rating of insulator plastics and housings	UL94V-0		
	Environmental	Complies with RoHS Directive 2002/95/EC		
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)		

Rev 2 - 11/2009

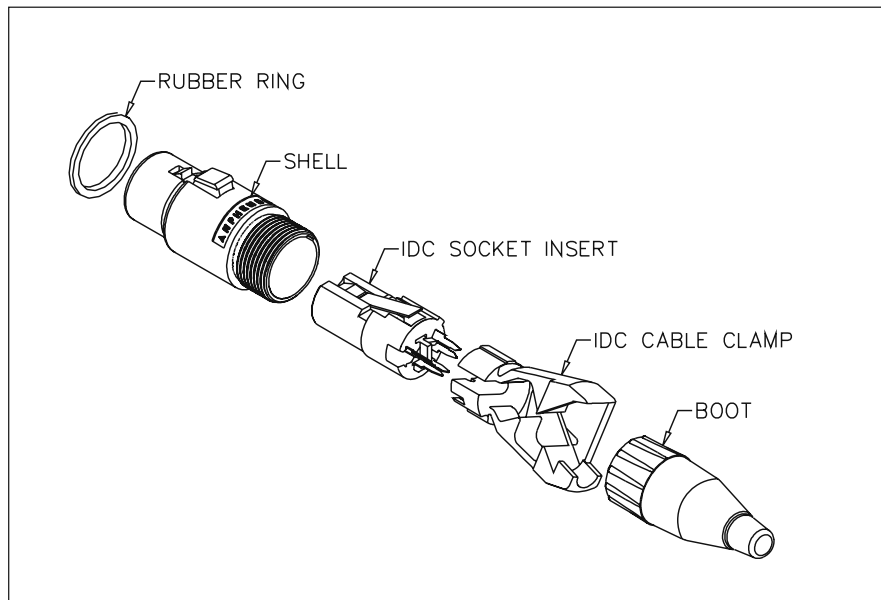
¹⁾ Not suitable for domestic applications above 50V

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

ISO VIEW OF AC3MM



ISO VIEW OF AC3FI



AMPHENOL AUSTRALIA WEBSITE

www.amphenolaudio.com

AMPHENOL WORLD HEADQUARTERS WEBSITE

www.amphenol.com



AC SERIES XLR CABLE CONNECTORS



Amphenol Australia have been manufacturing and designing innovative XLR connectors since 1955 and were the first to offer the cost saving Insulation Displacement Contact (IDC) in an XLR connector. The IDC connector is ideal for Original Equipment Manufacturers and end users alike and offers an alternative to our standard solder connector. 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 for both standard Solder connectors and the Insulation Displacement Contact (IDC) connectors.
- 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.
- Solderless IDC technology offers savings of up to 60% in termination time.
- 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 other XLR brands.

Options

- Solder Bucket termination
- Insulation Displacement Contact (IDC)
- 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

Options (Cont'd)

- 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")
- IDC Jaws cable clamp, Max. Cable O.D 5.85mm (0.23")
- 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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AC SERIES XLR CABLE CONNECTORS

METAL SHELL TYPE - SOLDER



Features:


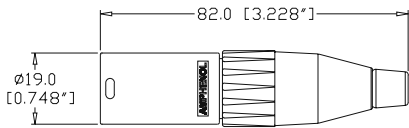

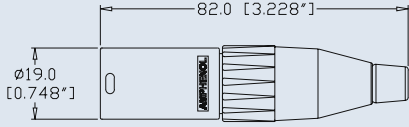

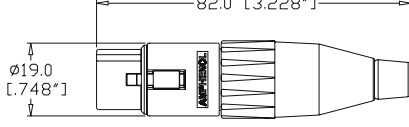

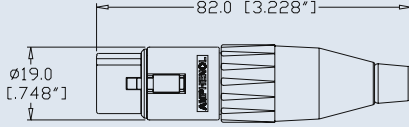

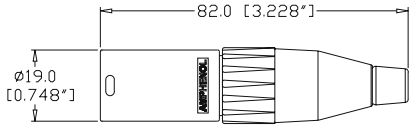

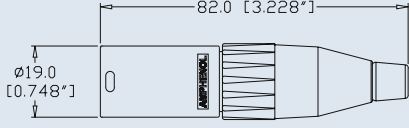

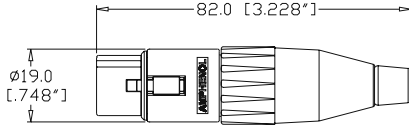

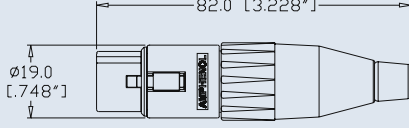
- Zinc Diecast Shell.
- Solder Bucket connections.
- "Jaws" Cable Retention System.
- Contact layouts in 3, 4, 5, 6A and 7.
- Precision machined or Stamped contacts.
- Leading first mate last break socket contact.
- Quick and easy assembly without screws – by hand or portable termination tool. (Part 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 13

Specifications: Page 20-21

PRODUCT - FIGURE	DRAWING	Dimensions in mm (Inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	AC3MM AC3MM-AU AC3MMJ AC3MM BULK
			XLR 3 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	AC3MMB AC3MMB-AU AC3MMBJ AC3MMB BULK
			XLR 3 pole male, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	AC3M AC3M-AU AC3MJ AC3M BULK
			XLR 3 pole male, Stamped contacts, Black Finish, Jaws cable clamp	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	AC3MB AC3MB-AU AC3MBJ AC3MB BULK
			XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	AC3F AC3F-AU AC3FJ AC3F BULK
			XLR 3 pole female, Stamped contacts, Black Finish, Jaws cable clamp	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	AC3FB AC3FB-AU AC3FBJ AC3FB BULK

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4M
			Gold Plated Contacts	AC4M-AU
			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
			Gold Plated Contacts	AC4F-AU
			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
			Gold Plated Contacts	AC5M-AU
			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
			Gold Plated Contacts	AC5F-AU
			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



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AC SERIES XLR CABLE CONNECTORS

METAL SHELL TYPE - SOLDER



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 6A pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AM
				Gold Plated Contacts	AC6AM-AU
				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
				Gold Plated Contacts	AC6AF-AU
				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

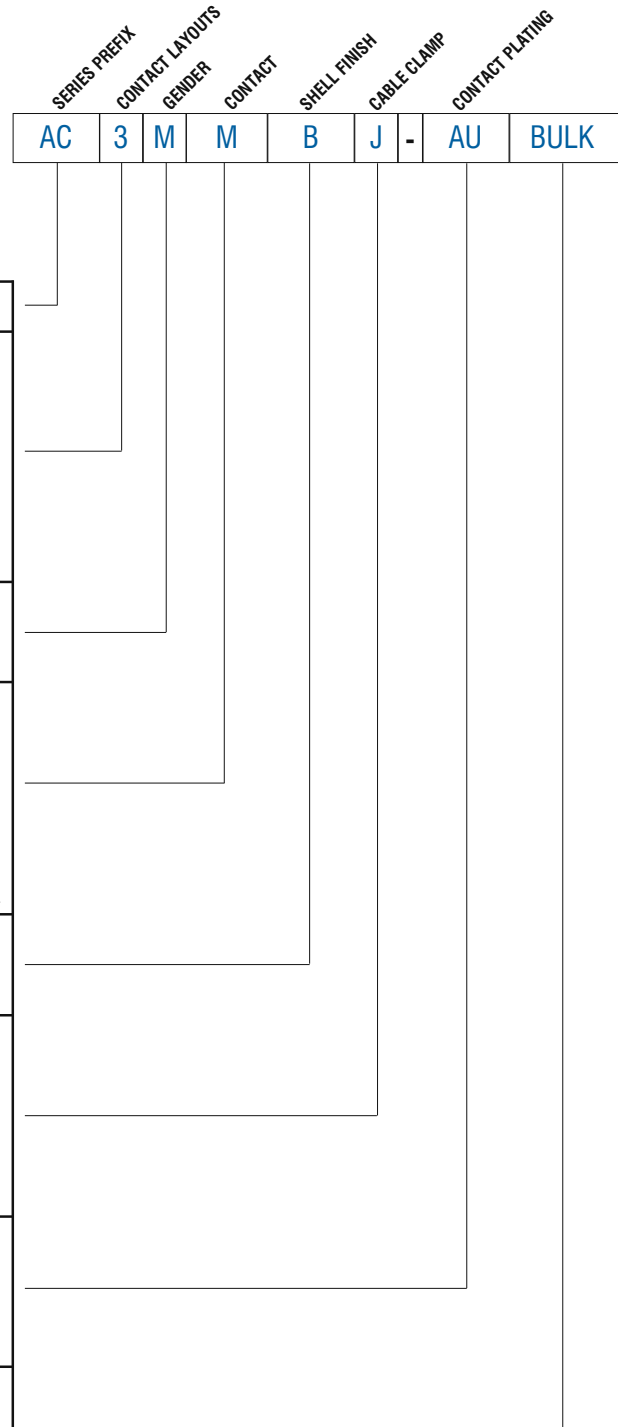
PART NUMBER BREAKDOWN

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	Blank	=	Stamped Contacts
	M	=	Machined Contacts
	G	=	Stamped Contacts, Ground Tag
	MG	=	Machined Contacts, Ground Tag (Applicable 3 male pin contacts, option M and MG only)
NOTE: 4 - 7 contact connectors have machined contacts and grounding as standard. They are not available in stamped contacts.			
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CABLE CLAMP	Blank	=	Standard Jaws 3 mm - 6.5 mm cable O.D. (0.118" to 0.255")
	J	=	Large Jaws 6.5mm - 8mm cable O.D. (0.255" to 0.314")
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
NOTE: 7 Contact is gold plated as standard.			
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



Note: All AC Series Connectors are available with optional colour coded boot / backshell. Refer to page 80 and simply add colour to end of part number. Example: AC3MM - RED

Amphenol



AC SERIES XLR CABLE CONNECTORS

THERMOPLASTIC SHELL TYPE - SOLDER



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.)

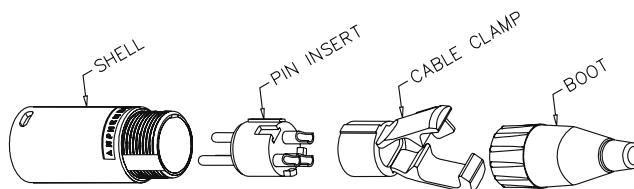
Options: Gold Plated Contacts, Stamped Contacts (3 Contact only), Bulk Pack, Coloured Boots / Backshells
3, 4, 5, 6A and 7 Contacts.

Specifications: Page 20-21

PRODUCT - FIGURE	DRAWING Dimensions in mm (Inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male, Machined contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MMCP
			Gold Plated Contacts	AC3MMCP-AU
			Large Cable Clamp	AC3MMCPJ
			Bulk Pack	AC3MMCP BULK
		XLR 3 pole male, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MCP
			Gold Plated Contacts	AC3MCP-AU
			Large Cable Clamp	AC3MCPJ
			Bulk Pack	AC3MCP BULK
		XLR 3 pole female, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3FCP
			Gold Plated Contacts	AC3FCP-AU
			Large Cable Clamp	AC3FCPJ
			Bulk Pack	AC3FCP BULK

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

ISO VIEW OF AC3MM





Features:

- XLR 90° right angle
- Metal or Thermoplastic connector shell
- Thermoplastic 90° right angle backshell
- Solder bucket connections
- “Jaws” Cable Retention System
- Contact Layouts in 3, 4, 5, 6A and 7
- Precision machined pin contacts
- Leading first mate last break socket contact



Specifications: Page 20-21 Assembly Tooling: Page 79

NOTE* Connector assembly requires the use of assembly tool T2880. Please refer to assembly instruction PI540* for details. The connector is non-servicable once assembled.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 90° right angle female, Metal shell, Nickel Finish, Jaws cable clamp	3 pole	AC3FR
				4 pole	AC4FR
				5 pole	AC5FR
				6A pole	AC6AFR
				7 pole	AC7FR
			XLR 90° right angle male, Metal shell, Nickel Finish, Jaws cable clamp	3 pole	AC3MMR
				4 pole	AC4MR
				5 pole	AC5MR
				6A pole	AC6AMR
				7 pole	AC7MR

*PI540 is available for download at www.amphenolaudio.com



The Insulation Displacement Contact (IDC) connector is ideal for Original Equipment Manufacturers and end users alike and offers an alternative to our standard solder connector. Connectors can be quickly and easily assembled without screws or a soldering iron – by hand or portable termination tool. (Part number T2860.)

Labour savings of up to 60% in termination time can be achieved.

Recommended Cable Dimensions: Page 21

Features:

- Zinc Diecast Shell
- Available in 3 Contact only.
- Insulation Displacement Contacts (IDC - Solderless).
- “Jaws” Cable Retention System.
- Leading first mate last break socket contact.

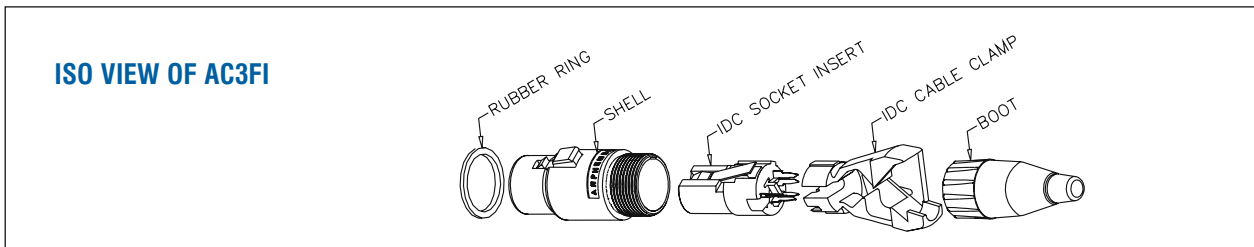
Options: Gold plated contacts, Black Finish Shell, Bulk Pack, Coloured Boots / Backshells.

Part Number Breakdown: Page 17 Specifications: Page 20-21

Assembly Instructions: Page 19

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male, IDC contacts, Nickel Finish, IDC Jaws cable clamp	Standard	AC3MI
			Gold Plated Contacts	AC3MI-AU
			Bulk Pack	AC3MI BULK
		XLR 3 pole male, IDC contacts, Black Finish, IDC Jaws cable clamp	Standard	AC3MIB
			Gold Plated Contacts	AC3MIB-AU
			Bulk Pack	AC3MIB BULK
		XLR 3 pole female, IDC contacts, Nickel Finish, IDC Jaws cable clamp	Standard	AC3FI
			Gold Plated Contacts	AC3FI-AU
			Bulk Pack	AC3FI BULK
		XLR 3 pole female, IDC contacts, Black Finish, IDC Jaws cable clamp	Standard	AC3FIB
			Gold Plated Contacts	AC3FIB-AU
			Bulk Pack	AC3FIB BULK

Note: Amphenol can not guarantee the termination performance unless the recommended cable dimensions listed on page 21 are followed.



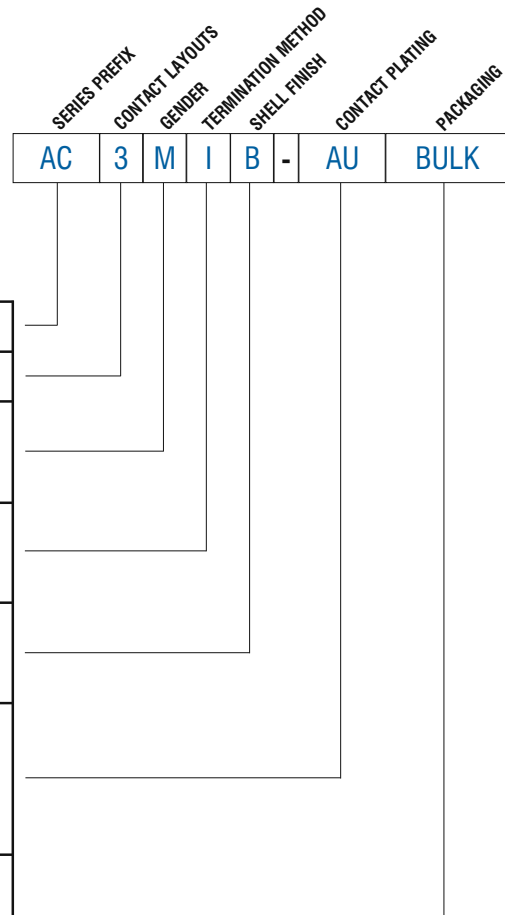
PART NUMBER BREAKDOWN

METAL SHELL TYPE - IDC



E. G . **AC3MIB-AU BULK**
AC (Series Prefix), **3** contacts, **M**ale, **IDC** Contacts, **Black Polyester Finish**,
- AU (Gold Plated Contacts), **BULK** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contact only
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
TERMINATION METHOD	I	=	IDC Contacts
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



Note: All AC Series Connectors are available with optional colour coded boot / backshell. Refer to page 80 and simply add colour to end of part number. Example: AC3MI - RED



The Insulation Displacement Contact (IDC) connector is ideal for Original Equipment Manufacturers and end users alike and offers an alternative to our standard solder connector. Connectors can be quickly and easily assembled without screws or a soldering iron – by hand or portable termination tool. Labour savings of up to 60% in termination time can be achieved.

Recommended Cable Dimensions: Page 21

Features:

- Thermoplastic Shell
- Insulation Displacement Contacts (IDC - Solderless).
- "Jaws" Cable Retention System.
- 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, Bulk Pack, Coloured Boots / Backshells
Part Number Breakdown: Page 18 Specifications: Page 20-21
Assembly Instructions: Page 19

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male, IDC contacts, Thermoplastic shell, IDC Jaws cable clamp	Standard	AC3MCPI
			Gold Plated Contacts	AC3MCPI-AU
			Bulk Pack	AC3MCPI-BULK
		XLR 3 pole female, IDC contacts, Thermoplastic shell, IDC Jaws cable clamp	Standard	AC3FCPI
			Gold Plated Contacts	AC3FCPI-AU
			Bulk Pack	AC3FCPI-BULK

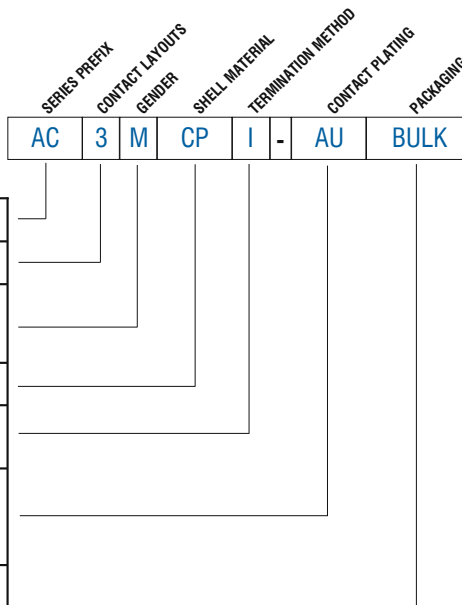
Note: Amphenol can not guarantee the termination performance unless the recommended cable dimensions listed on page 21 are followed.

PART NUMBER BREAKDOWN

IDC THERMOPLASTIC SHELL TYPE

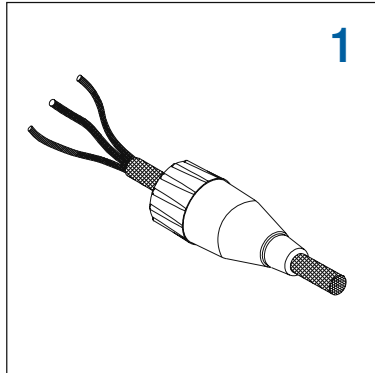
E. G. **AC3MCPI-AU BULK**
AC (Series Prefix), **3** contacts, **Male, CP** (Thermoplastic Shell), IDC Contacts,
- AU (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contacts only
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL MATERIAL	CP	=	Thermoplastic Shell
TERMINATION METHOD	I	=	IDC Contacts
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

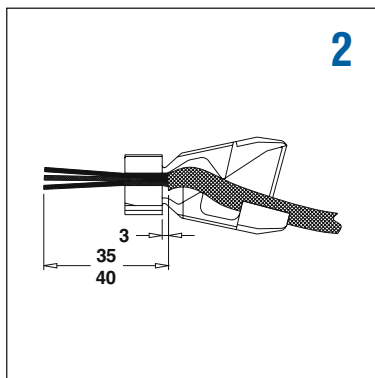


Note: All AC Series Connectors are available with optional colour coded boot / backshell. Refer to page 80 and simply add colour to end of part number. Example: AC3MCPI - RED

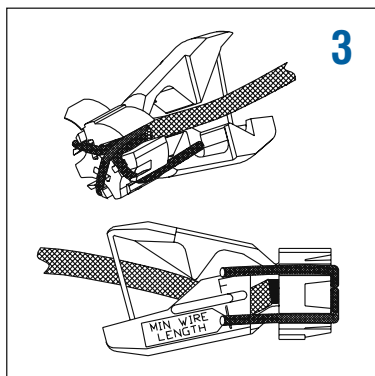
AC IDC SERIES CABLE ASSEMBLY INSTRUCTIONS



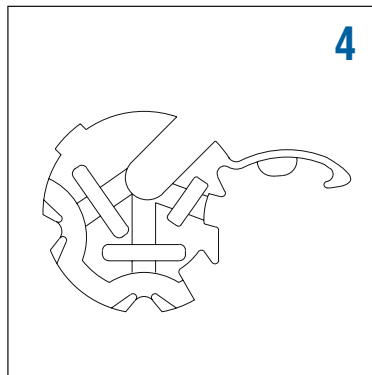
1
Push the cable through the boot assembly and strip the cable back 35 to 40 mm. Twist the shield wire.



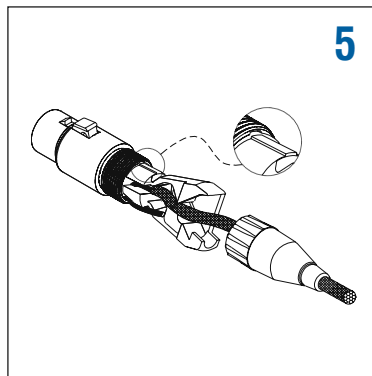
2
Fit the cable into the 'Jaws' cable clamp ensuring that the cable is pushed up to the neck of the clamp within 3mm.



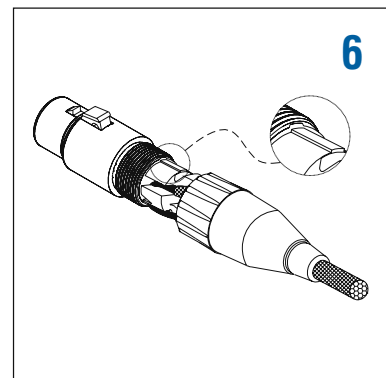
3
Pull back the conductors into their individual wire guidetracks. Note: Two spring fingers in the clamp will hold the conductors in position during subsequent operations. The ends of the two insulated wires must be on or past the minimum wire length mark.



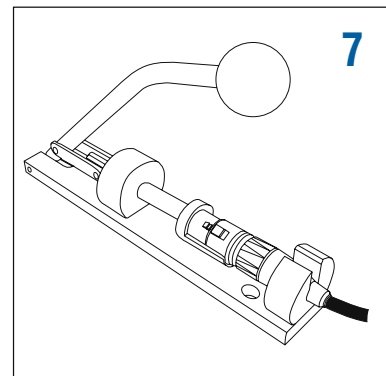
4
For ground protection the twisted shield wire is clipped in place with the ground protect flap.



5
Trim back the shield wire, so there are no wires coming out of the flap and fit the 'Jaws' cable clamp into the shell assembly, ensuring the keyways are aligned.








6
Close the cable clamp slightly and push the boot over the clamp ensuring the wires fit inside the boot.



7
Final assembly can be achieved either by manually screwing the boot on, or by using an Amphenol Australia T2860 termination tool.

STANDARD DATA AC CABLE CONNECTORS

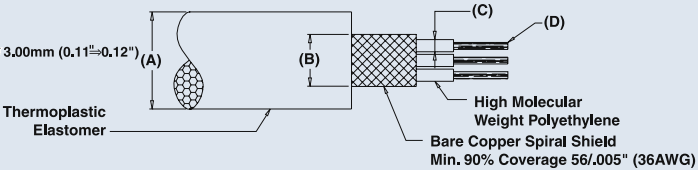


		VALUE				
GENERAL CHARACTERISTICS		3	4	5	6A	7
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A	7
	AC Series Contact Arrangements (Front view of pin inserts)					
	Termination	IDC / SOLDER	SOLDER	SOLDER	SOLDER	SOLDER
	Max. Wire Gauge - Stranded wire:					
	IDC	24AWG	N/A	N/A	N/A	N/A
	Solder	14AWG	16AWG	18AWG	18AWG	20AWG
	Flammability rating of insulator plastics and housings	UL94V-0				
Environmental	Complies with RoHS Directive 2002/95/EC					
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾				
	Test Voltage AC RMS	1400V				
	Current carrying capacity:					
	IDC	1A	N/A	N/A	N/A	N/A
	Solder	15A	10A	7.5A	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)	38g (0.083lb)	38g (0.083lb)
	Weight - Thermoplastic ²⁾	18g (0.039lb)	19g (0.041lb)	20g (0.044lb)	20g (0.044lb)	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					
	IDC	Max. Cable O.D. 5.85mm (0.23")				
	Standard solder	3mm to 6.5mm (0.118" to 0.255")				
	Large Solder	6.5mm to 8mm (0.255" to 0.314")				
Mechanical Operations	1000 mating cycles					

¹⁾ Not suitable for domestic applications above 50V

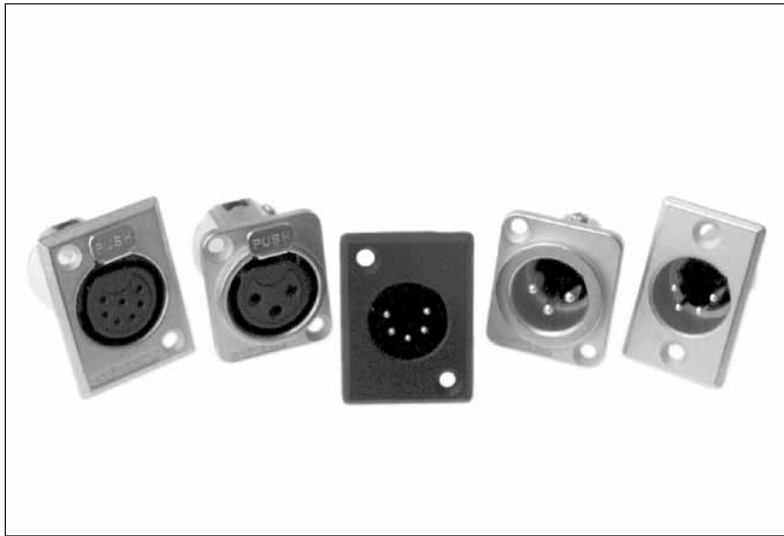
²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

STANDARD DATA AC CABLE CONNECTORS

		DETAILS
MATERIALS	Connector shell - Metal	Diecast Zinc Alloy
	Shell finish	Satin nickel or Black polyester
	Connector shell - Thermoplastic	Thermoplastic, UL94V-0 Modified PPE Resin
	Shell finish	Black
	Insulators	UL94V-0 PBT Resin or Modified PPE Resin
	Boot / Backshell	UL94V-0 Modified PPE Resin or Machined Brass
	Finish	Black, other colours available - see page 80
	Cable clamp	
	IDC Socket JAWS	UL94V-0 Modified PPO Resin (Pink)
	IDC Pin JAWS	UL94V-0 Modified PPO Resin (Blue)
	Standard Solder JAWS	UL94V-0 Modified PPO Resin (Black)
	Large Solder JAWS	UL94V-0 Modified PPO Resin (Purple)
	Cable Bushing	Santoprene
	Male Contact	
Stamped - IDC / Plating	Phosphor Bronze / Silver or Gold (Optional)	
Stamped - Solder / Plating	Phosphor Bronze / Silver or Gold (Optional)	
Machined - Solder / Plating	Brass / Silver or Gold (Optional)	
Female Contact		
Stamped - IDC / Plating	Phosphor Bronze / Tin or Gold (Optional)	
Stamped - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional)	
Machined - Solder / Plating	Brass / Silver or Gold (Optional)	
IDC RECOMMENDED CABLE DIMENSIONS	<p> A - Cable O.D.: Max. \square 5.85mm (0.23") B - Bare Copper Spiral Shield OD \varnothing 2.75 \Rightarrow \varnothing 3.00mm (0.11" \Rightarrow 0.12") C - OD \varnothing 1.30 \Rightarrow \varnothing 1.50mm (0.05" \Rightarrow 0.06") D - 16/.005" (24 AWG stranded wire) </p>  <p> Thermoplastic Elastomer High Molecular Weight Polyethylene Bare Copper Spiral Shield Min. 90% Coverage 56/.005" (36AWG) </p>	



Rev 4 - 12/2009



AC “Z” SERIES XLR METAL CHASSIS MOUNT CONNECTORS

The metal chassis mount “Z” series connectors are designed for the audio user where durability, reliability and strength across a wide range of applications are important. All AC 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 (not available in 4 contact female).
- 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, Vertical PCB contacts, Black finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: Page 31

Specifications: Page 32

PCB Footprints: Page 33


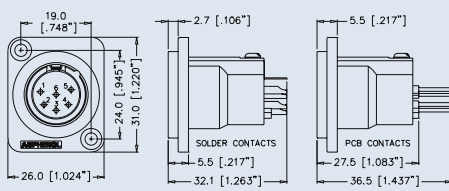




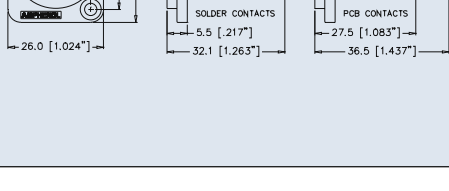




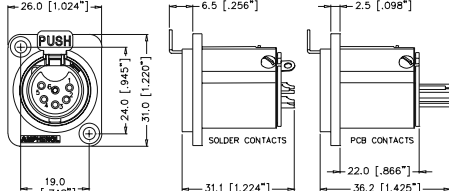

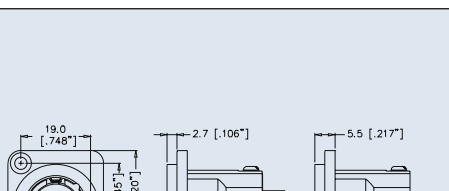
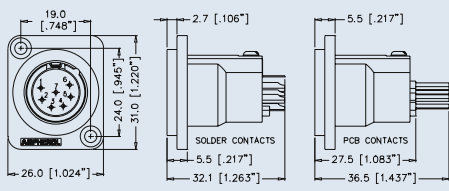
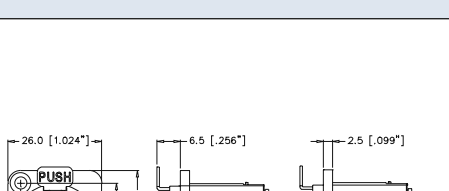
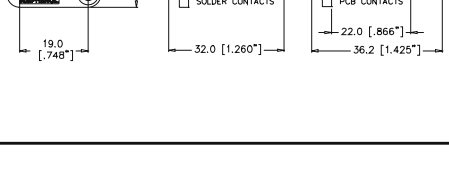

Panel Cutouts: Page 33



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC3MMDZ
				Gold Plated Contacts	AC3MMDZ-AU
				Vertical PCB	AC3MMDZV
				Bulk Pack	AC3MMDZ BULK
			XLR 3 pole male, D Flange, Machined contacts, Black Finish	Standard	AC3MMDZB
				Gold Plated Contacts	AC3MMDZB-AU
				Vertical PCB	AC3MMDZVB
				Bulk Pack	AC3MMDZB BULK
			XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ
				Gold Plated Contacts	AC3MDZ-AU
				Vertical PCB	AC3MDZV
				Bulk Pack	AC3MDZ BULK
			XLR 3 pole male, D Flange, Stamped contacts, Black Finish	Standard	AC3MDZB
				Gold Plated Contacts	AC3MDZB-AU
				Vertical PCB	AC3MDZVB
				Bulk Pack	AC3MDZB BULK
			XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZ
				Gold Plated Contacts	AC3FDZ-AU
				Vertical PCB	AC3FDZV
				Bulk Pack	AC3FDZ BULK
			XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Standard	AC3FDZB
				Gold Plated Contacts	AC3FDZB-AU
				Vertical PCB	AC3FDZVB
				Bulk Pack	AC3FDZB BULK



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>Dimensions in mm (inches)</p> <p>19.0 [0.748\"/> </p>	XLR 4 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC4MDZ
			Gold Plated Contacts	AC4MDZ-AU	
		<p>Dimensions in mm (inches)</p> <p>19.0 [0.748\"/> </p>	XLR 4 pole male, D Flange, Machined contacts, Black Finish	Vertical PCB	AC4MDZV
			Bulk Pack	AC4MDZ BULK	
		<p>Dimensions in mm (inches)</p> <p>26.0 [1.024\"/> </p>	XLR 4 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC4FDZ
			Gold Plated Contacts	AC4FDZ-AU	
		<p>Dimensions in mm (inches)</p> <p>26.0 [1.024\"/> </p>	XLR 4 pole female, D Flange, Machined contacts, Black Finish	Vertical PCB	AC4FDZV
			Bulk Pack	AC4FDZ BULK	
		<p>Dimensions in mm (inches)</p> <p>19.0 [0.748\"/> </p>	XLR 5 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC5MDZ
			Gold Plated Contacts	AC5MDZ-AU	
		<p>Dimensions in mm (inches)</p> <p>19.0 [0.748\"/> </p>	XLR 5 pole male, D Flange, Machined contacts, Black Finish	Vertical PCB	AC5MDZV
			Bulk Pack	AC5MDZ BULK	
		<p>Dimensions in mm (inches)</p> <p>26.0 [1.024\"/> </p>	XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC5FDZ
			Gold Plated Contacts	AC5FDZ-AU	
		<p>Dimensions in mm (inches)</p> <p>26.0 [1.024\"/> </p>	XLR 5 pole female, D Flange, Machined contacts, Black Finish	Vertical PCB	AC5FDZV
			Bulk Pack	AC5FDZ BULK	
		<p>Dimensions in mm (inches)</p> <p>19.0 [0.748\"/> </p>	XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AC5FDZB
			Gold Plated Contacts	AC5FDZB-AU	
		<p>Dimensions in mm (inches)</p> <p>19.0 [0.748\"/> </p>	XLR 5 pole female, D Flange, Machined contacts, Black Finish	Vertical PCB	AC5FDZVB
			Bulk Pack	AC5FDZB BULK	

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC6AMDZ
				Gold Plated Contacts	AC6AMDZ-AU
				Vertical PCB	AC6AMDZV
				Bulk Pack	AC6AMDZ BULK
			XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AC6AMDZB
				Gold Plated Contacts	AC6AMDZB-AU
				Vertical PCB	AC6AMDZVB
				Bulk Pack	AC6AMDZB BULK
			XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC6AFDZ
				Gold Plated Contacts	AC6AFDZ-AU
				Vertical PCB	AC6AFDZV
				Bulk Pack	AC6AFDZ BULK
			XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard	AC6AFDZB
				Gold Plated Contacts	AC6AFDZB-AU
				Vertical PCB	AC6AFDZVB
				Bulk Pack	AC6AFDZB BULK
			XLR 7 pole male, D Flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7MDZ
				Vertical PCB	AC7MDZV
				Bulk Pack	AC7MDZ BULK
					
	Vertical PCB	AC7MDZVB			
	Bulk Pack	AC7MDZB BULK			
			XLR 7 pole female, D Flange, Gold Plated Machined contacts, Nickel Finish		
				Vertical PCB	AC7FDZV
				Bulk Pack	AC7FDZ BULK
					
	Vertical PCB	AC7FDZVB			
	Bulk Pack	AC7FDZB BULK			





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.
- Vertical PCB mounting.
- 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, Vertical PCB contacts, Black Finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: Page 31 Specifications: Page 32
PCB Footprints: Page 33 Panel Cutouts: Page 33


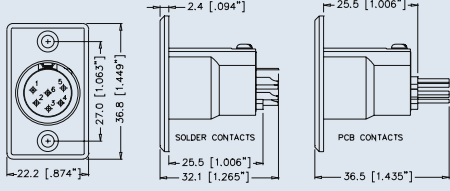

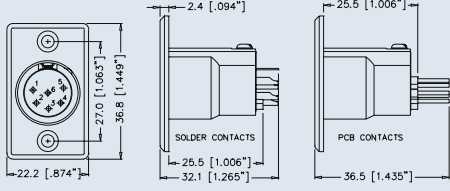

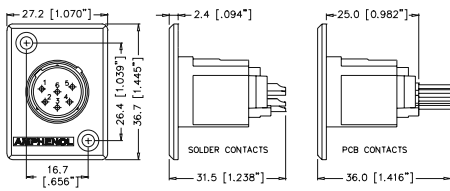

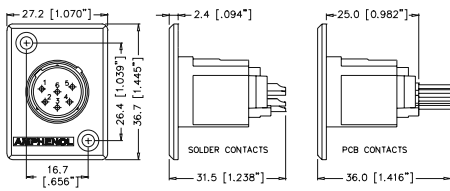

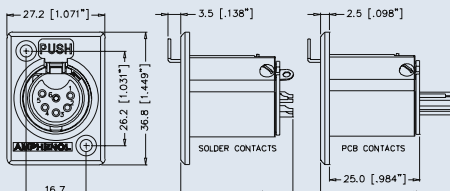

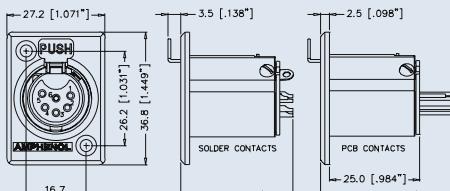

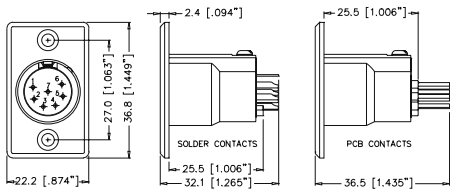

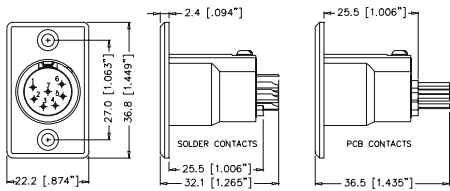
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>2.4 [0.094\"/> 27.0 [1.063\"/> 36.8 [1.449\"/> 22.2 [.874\"/> 32.1 [1.265\"/> 25.5 [1.004\"/> 36.5 [1.437\"/> SOLDER CONTACTS PCB CONTACTS</p>	XLR 3 pole male, Narrow flange, Machined contacts, Nickel Finish	Standard	AC3MMPNZ
			Gold Plated Contacts	AC3MMPNZ-AU	
			Vertical PCB	AC3MMPNZV	
			Bulk Pack	AC3MMPNZ BULK	
		<p>2.4 [0.094\"/> 27.0 [1.063\"/> 36.8 [1.449\"/> 22.2 [.874\"/> 32.1 [1.265\"/> 25.5 [1.004\"/> 36.5 [1.437\"/> SOLDER CONTACTS PCB CONTACTS</p>	XLR 3 pole male, Narrow flange, Machined contacts, Black Finish	Standard	AC3MMPNZB
			Gold Plated Contacts	AC3MMPNZB-AU	
			Vertical PCB	AC3MMPNZVB	
			Bulk Pack	AC3MMPNZB BULK	
		<p>2.4 [0.094\"/> 27.0 [1.063\"/> 36.8 [1.449\"/> 22.2 [.874\"/> 32.1 [1.265\"/> 25.5 [1.004\"/> 36.5 [1.437\"/> SOLDER CONTACTS PCB CONTACTS</p>	XLR 3 pole male, Narrow flange, Stamped contacts, Nickel Finish	Standard	AC3MPNZ
			Gold Plated Contacts	AC3MPNZ-AU	
			Vertical PCB	AC3MPNZV	
			Bulk Pack	AC3MPNZ BULK	
		<p>2.4 [0.094\"/> 27.0 [1.063\"/> 36.8 [1.449\"/> 22.2 [.874\"/> 32.1 [1.265\"/> 25.5 [1.004\"/> 36.5 [1.437\"/> SOLDER CONTACTS PCB CONTACTS</p>	XLR 3 pole male, Narrow flange, Stamped contacts, Black Finish	Standard	AC3MPNZB
			Gold Plated Contacts	AC3MPNZB-AU	
			Vertical PCB	AC3MPNZVB	
			Bulk Pack	AC3MPNZB BULK	
		<p>27.2 [1.070\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [.656\"/> 2.4 [0.094\"/> 31.5 [1.238\"/> 25.0 [0.982\"/> 36.0 [1.415\"/> SOLDER CONTACTS PCB CONTACTS</p>	XLR 3 pole male, Wide flange, Machined contacts, Nickel Finish	Standard	AC3MMP
			Gold Plated Contacts	AC3MMP-AU	
			Vertical PCB	AC3MMPV	
			Bulk Pack	AC3MMP BULK	
		<p>27.2 [1.070\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [.656\"/> 2.4 [0.094\"/> 31.5 [1.238\"/> 25.0 [0.982\"/> 36.0 [1.415\"/> SOLDER CONTACTS PCB CONTACTS</p>	XLR 3 pole male, Wide flange, Machined contacts, Black Finish	Standard	AC3MMPB
			Gold Plated Contacts	AC3MMPB-AU	
			Vertical PCB	AC3MMPVB	
			Bulk Pack	AC3MMPB BULK	

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, Wide flange, Stamped contacts, Nickel Finish	Standard	AC3MP
				Gold Plated Contacts	AC3MP-AU
			XLR 3 pole male, Wide flange, Stamped contacts, Black Finish	Vertical PCB	AC3MPV
				Bulk Pack	AC3MP BULK
				Standard	AC3MPB
			XLR 3 pole male, Wide flange, Stamped contacts, Black Finish	Gold Plated Contacts	AC3MPB-AU
				Vertical PCB	AC3MPVB
				Bulk Pack	AC3MPB BULK
			XLR 3 pole female, Wide flange, Stamped contacts, Nickel Finish	Standard	AC3FPZ
				Gold Plated Contacts	AC3FPZ-AU
				Vertical PCB	AC3FPZV
			XLR 3 pole female, Wide flange, Stamped contacts, Black Finish	Bulk Pack	AC3FPZ BULK
				Standard	AC3FPZB
				Gold Plated Contacts	AC3FPZB-AU
			XLR 3 pole female, Wide flange, Stamped contacts, Black Finish	Vertical PCB	AC3FPZVB
				Bulk Pack	AC3FPZB BULK
				Standard	AC4MPNZ
			XLR 4 pole male, Narrow flange, Machined contacts, Nickel Finish	Gold Plated Contacts	AC4MPNZ-AU
				Vertical PCB	AC4MPNZV
				Bulk Pack	AC4MPNZ BULK
				Standard	AC4MPNZB
			XLR 4 pole male, Narrow flange, Machined contacts, Black Finish	Gold Plated Contacts	AC4MPNZB-AU
				Vertical PCB	AC4MPNZVB
				Bulk Pack	AC4MPNZB BULK
				Standard	AC4MP
			XLR 4 pole male, Wide flange, Machined contacts, Nickel Finish	Gold Plated Contacts	AC4MP-AU
				Vertical PCB	AC4MPV
				Bulk Pack	AC4MP BULK
				Standard	AC4MPB
			XLR 4 pole male, Wide flange, Machined contacts, Black Finish	Gold Plated Contacts	AC4MPB-AU
				Vertical PCB	AC4MPVB
				Bulk Pack	AC4MPB BULK





PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>27.2 [1.070\"/> 3.5 [1.38\"/> 2.5 [0.98\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 30.6 [1.204\"/> 22.8 [0.899\"/> 34.0 [1.340\"/></p>	<p>XLR 4 pole female, Wide flange, Machined contacts, Nickel Finish</p>	Standard	AC4FPZ
				Gold Plated Contacts	AC4FPZ- AU
		<p>27.2 [1.070\"/> 3.5 [1.38\"/> 2.5 [0.98\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 30.6 [1.204\"/> 22.8 [0.899\"/> 34.0 [1.340\"/></p>	<p>XLR 4 pole female, Wide flange, Machined contacts, Black Finish</p>	Vertical PCB	AC4FPZV
				Bulk Pack	AC4FPZ BULK
				Standard	AC4FPZB
				Gold Plated Contacts	AC4FPZB- AU
		<p>27.2 [1.070\"/> 3.5 [1.38\"/> 2.5 [0.98\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 30.6 [1.204\"/> 22.8 [0.899\"/> 34.0 [1.340\"/></p>	<p>XLR 4 pole female, Wide flange, Machined contacts, Black Finish</p>	Vertical PCB	AC4FPZVB
				Bulk Pack	AC4FPZB BULK
				Standard	AC4FPZB
		<p>27.0 [1.063\"/> 2.4 [0.094\"/> 25.5 [1.006\"/> 36.8 [1.449\"/> 22.2 [0.874\"/> 25.5 [1.006\"/> 32.1 [1.265\"/> 36.5 [1.439\"/></p>	<p>XLR 5 pole male, Narrow flange, Machined contacts, Nickel Finish</p>	Standard	AC5MPNZ
				Gold Plated Contacts	AC5MPNZ- AU
				Vertical PCB	AC5MPNZV
		<p>27.0 [1.063\"/> 2.4 [0.094\"/> 25.5 [1.006\"/> 36.8 [1.449\"/> 22.2 [0.874\"/> 25.5 [1.006\"/> 32.1 [1.265\"/> 36.5 [1.439\"/></p>	<p>XLR 5 pole male, Narrow flange, Machined contacts, Black Finish</p>	Bulk Pack	AC5MPNZ BULK
				Standard	AC5MPNZB
				Gold Plated Contacts	AC5MPNZB- AU
		<p>27.0 [1.063\"/> 2.4 [0.094\"/> 25.5 [1.006\"/> 36.8 [1.449\"/> 22.2 [0.874\"/> 25.5 [1.006\"/> 32.1 [1.265\"/> 36.5 [1.439\"/></p>	<p>XLR 5 pole male, Narrow flange, Machined contacts, Black Finish</p>	Vertical PCB	AC5MPNZVB
				Bulk Pack	AC5MPNZB BULK
				Standard	AC5MPNZB
		<p>27.2 [1.070\"/> 2.4 [0.094\"/> 25.0 [0.982\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 31.5 [1.238\"/> 36.0 [1.415\"/></p>	<p>XLR 5 pole male, Wide flange, Machined contacts, Nickel Finish</p>	Standard	AC5MP
				Gold Plated Contacts	AC5MP- AU
				Vertical PCB	AC5MPV
		<p>27.2 [1.070\"/> 2.4 [0.094\"/> 25.0 [0.982\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 31.5 [1.238\"/> 36.0 [1.415\"/></p>	<p>XLR 5 pole male, Wide flange, Machined contacts, Black Finish</p>	Bulk Pack	AC5MP BULK
				Standard	AC5MPB
				Gold Plated Contacts	AC5MPB- AU
		<p>27.2 [1.070\"/> 2.4 [0.094\"/> 25.0 [0.982\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 31.5 [1.238\"/> 36.0 [1.415\"/></p>	<p>XLR 5 pole male, Wide flange, Machined contacts, Black Finish</p>	Vertical PCB	AC5MPVB
				Bulk Pack	AC5MPB BULK
				Standard	AC5MPB
		<p>27.2 [1.070\"/> 3.5 [1.38\"/> 2.5 [0.98\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 30.6 [1.204\"/> 22.8 [0.899\"/> 34.0 [1.340\"/></p>	<p>XLR 5 pole female, Wide flange, Machined contacts, Nickel Finish</p>	Standard	AC5FPZ
				Gold Plated Contacts	AC5FPZ- AU
				Vertical PCB	AC5FPZV
		<p>27.2 [1.070\"/> 3.5 [1.38\"/> 2.5 [0.98\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 30.6 [1.204\"/> 22.8 [0.899\"/> 34.0 [1.340\"/></p>	<p>XLR 5 pole female, Wide flange, Machined contacts, Nickel Finish</p>	Bulk Pack	AC5FPZ BULK
				Standard	AC5FPZB
				Gold Plated Contacts	AC5FPZB- AU
		<p>27.2 [1.070\"/> 3.5 [1.38\"/> 2.5 [0.98\"/> 26.4 [1.039\"/> 36.7 [1.445\"/> 16.7 [0.656\"/> 30.6 [1.204\"/> 22.8 [0.899\"/> 34.0 [1.340\"/></p>	<p>XLR 5 pole female, Wide flange, Machined contacts, Black Finish</p>	Vertical PCB	AC5FPZVB
				Bulk Pack	AC5FPZB BULK
				Standard	AC5FPZB

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>25.5 [1.006"]</p> <p>32.1 [1.265"]</p> <p>36.5 [1.435"]</p>	<p>XLR 6A pole male, Narrow flange, Machined contacts, Nickel Finish</p>	Standard	AC6AMPNZ
Gold Plated Contacts				AC6AMPNZ- AU	
Vertical PCB				AC6AMPNZV	
Bulk Pack				AC6AMPNZ BULK	
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>25.5 [1.006"]</p> <p>32.1 [1.265"]</p> <p>36.5 [1.435"]</p>	<p>XLR 6A pole male, Narrow flange, Machined contacts, Black Finish</p>	Standard	AC6AMPNZB
Gold Plated Contacts				AC6AMPNZB- AU	
Vertical PCB				AC6AMPNZVB	
Bulk Pack				AC6AMPNZB BULK	
		<p>2.4 [.094"]</p> <p>25.0 [0.982"]</p> <p>27.2 [1.070"]</p> <p>36.7 [1.445"]</p> <p>26.4 [1.039"]</p> <p>16.7 [.656"]</p> <p>31.5 [1.238"]</p> <p>36.0 [1.416"]</p>	<p>XLR 6A pole male, Wide flange, Machined contacts, Nickel Finish</p>	Standard	AC6AMP
Gold Plated Contacts				AC6AMP- AU	
Vertical PCB				AC6AMPV	
Bulk Pack				AC6AMP BULK	
		<p>2.4 [.094"]</p> <p>25.0 [0.982"]</p> <p>27.2 [1.070"]</p> <p>36.7 [1.445"]</p> <p>26.4 [1.039"]</p> <p>16.7 [.656"]</p> <p>31.5 [1.238"]</p> <p>36.0 [1.416"]</p>	<p>XLR 6A pole male, Wide flange, Machined contacts, Black Finish</p>	Standard	AC6AMPB
Gold Plated Contacts				AC6AMPB- AU	
Vertical PCB				AC6AMPVB	
Bulk Pack				AC6AMPB BULK	
		<p>3.5 [1.38"]</p> <p>2.5 [.098"]</p> <p>27.2 [1.071"]</p> <p>36.8 [1.449"]</p> <p>26.2 [1.031"]</p> <p>16.7 [.656"]</p> <p>31.1 [1.224"]</p> <p>36.2 [1.425"]</p>	<p>XLR 6A pole female, Wide flange, Machined contacts, Nickel Finish</p>	Standard	AC6AFPZ
Gold Plated Contacts				AC6AFPZ- AU	
Vertical PCB				AC6AFPZV	
Bulk Pack				AC6AFPZ BULK	
		<p>3.5 [1.38"]</p> <p>2.5 [.098"]</p> <p>27.2 [1.071"]</p> <p>36.8 [1.449"]</p> <p>26.2 [1.031"]</p> <p>16.7 [.656"]</p> <p>31.1 [1.224"]</p> <p>36.2 [1.425"]</p>	<p>XLR 6A pole female, Wide flange, Machined contacts, Black Finish,</p>	Standard	AC6AFPZB
Gold Plated Contacts				AC6AFPZB- AU	
Vertical PCB				AC6AFPZVB	
Bulk Pack				AC6AFPZB BULK	
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>25.5 [1.006"]</p> <p>32.1 [1.265"]</p> <p>36.5 [1.435"]</p>	<p>XLR 7 pole male, Narrow flange, Gold Plated Machined contacts, Nickel Finish</p>	Standard	AC7MPNZ
Vertical PCB				AC7MPNZV	
Bulk Pack				AC7MPNZ BULK	
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>25.5 [1.006"]</p> <p>32.1 [1.265"]</p> <p>36.5 [1.435"]</p>	<p>XLR 7 pole male, Narrow flange, Gold Plated Machined contacts, Black Finish</p>	Standard	AC7MPNZB
Vertical PCB				AC7MPNZVB	
Bulk Pack				AC7MPNZB BULK	



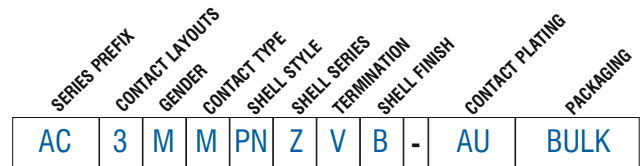


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 7 pole male, Wide flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7MP
				Vertical PCB	AC7MPV
				Bulk Pack	AC7MP BULK
			XLR 7 pole male, Wide flange, Gold Plated Machined contacts, Black Finish	Standard	AC7MPB
				Vertical PCB	AC7MPVB
				Bulk Pack	AC7MPB BULK
			XLR 7 pole female, Wide flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7FPZ
				Vertical PCB	AC7FPZV
				Bulk Pack	AC7FPZ BULK
			XLR 7 pole female, Wide flange, Gold Plated Machined contacts, Black Finish	Standard	AC7FPZB
				Vertical PCB	AC7FPZVB
				Bulk Pack	AC7FPZB BULK

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), **V**ertical Printed Circuit Board, **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	Blank	=	Stamped Contacts
	M	=	Machined Contacts (Applicable 3 male pin contacts only)
NOTE: 4 - 7 contact connectors have machined contacts as standard. They are not available in stamped contacts.			
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
TERMINATION	Blank	=	Solder Buckets
	V	=	Vertical Printed Circuit Board
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
NOTE: 7 Contact is gold plated as standard.			
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

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

STANDARD DATA AC 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
Flammability rating of plastics	UL94V-0					
Environmental	Complies with RoHS Directive 2002/95/EC					
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾				
	Test Voltage AC RMS	1400V				
	Current carrying capacity:					
	Solder	15A	10A	7.5A	7.5A	5A
	Printed Circuit Board (PCB)	15A	10A	7.5A	7.5A	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	UL94V-0 PBT Resin or Modified PPE 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)					

Rev 2 - 09/2005

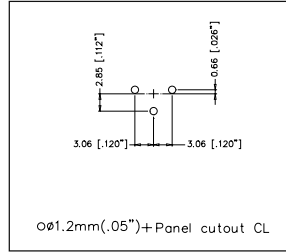
¹⁾ Not suitable for domestic applications above 50V

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

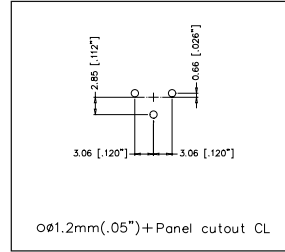
AC SERIES CHASSIS METAL "Z"

PCB FOOTPRINTS STRAIGHT (V)

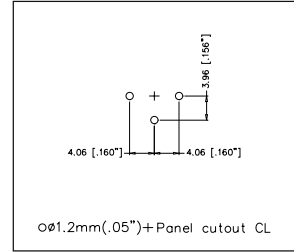
CONNECTOR SIDE OF PCB



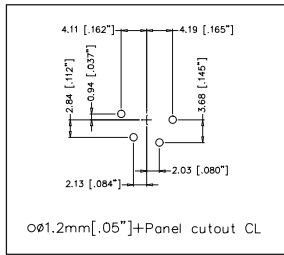
AC3F*ZV



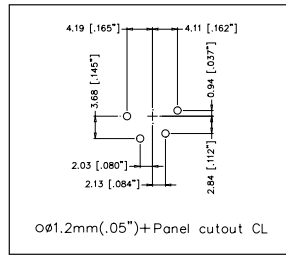
AC3M*ZV



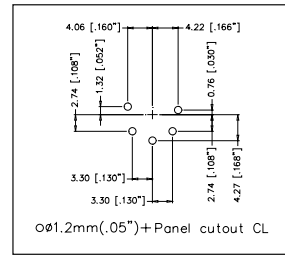
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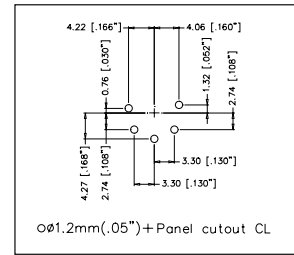
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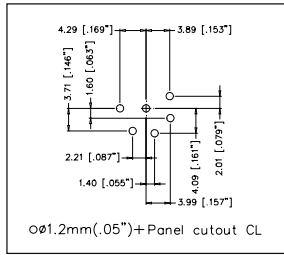
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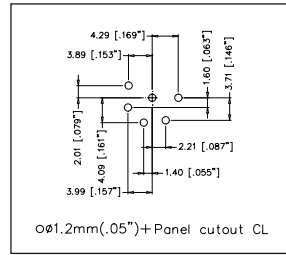
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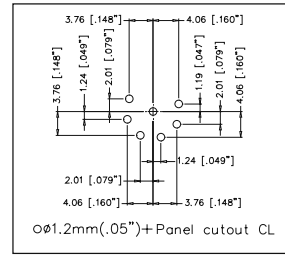
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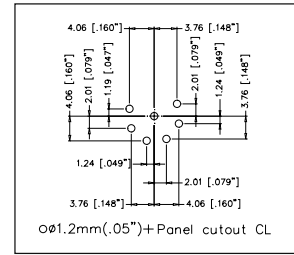
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AC6AM*ZV



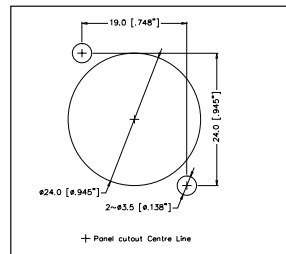
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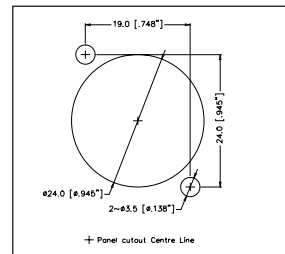
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PANEL CUTOUT DIMENSIONS

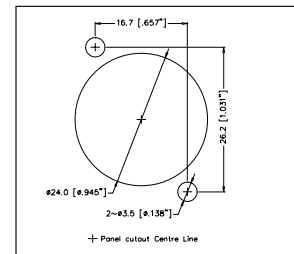
FRONT VIEW



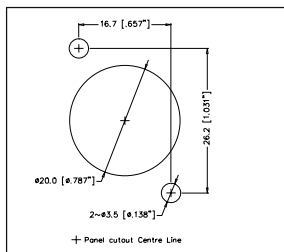
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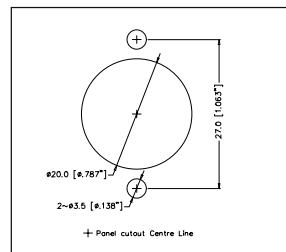
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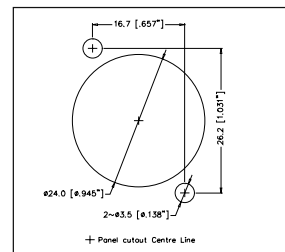
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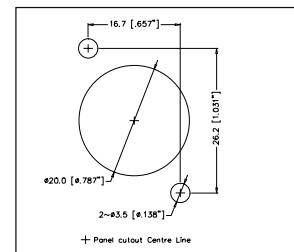
AC*MP



AC*MPNZ



AC-PDN-31-XXX



AC-PDN-34-XXX





AC SERIES - A AND B TYPE XLR PCB CHASSIS 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 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.



Features:

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

Part Number Breakdown: Page 44-45 **Specifications:** Page 47

PCB Footprints: Page 48


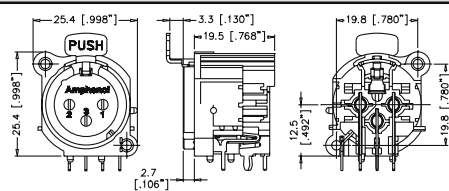

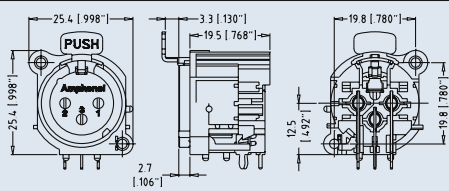

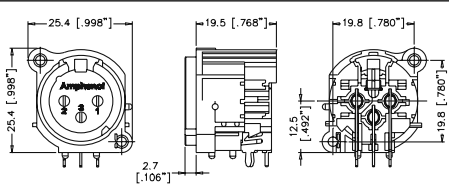

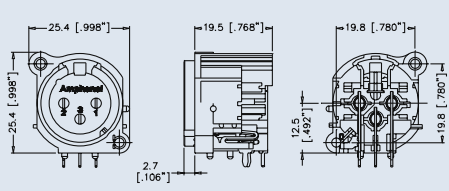

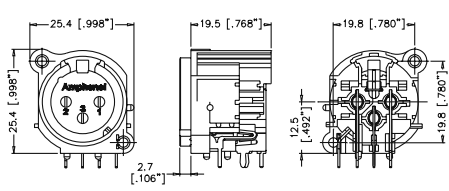

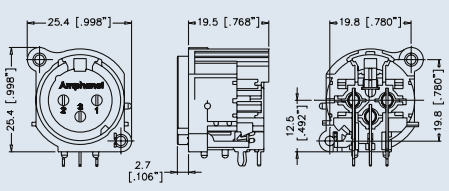

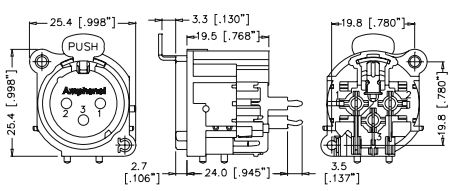

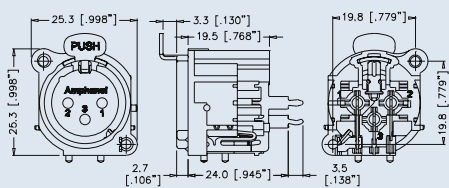
Panel Cutouts: Page 49



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"]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-B
		25.4 [.998"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAH1-AU-B
		25.4 [.998"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAH2-AU-B
		25.4 [.998"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Pin 1	AC3MAH3-AU-B
		25.4 [.998"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-AU-B
		25.4 [.998"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 12.5 [.492"]	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



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAV-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAV1-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAV2-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Pin 1	AC3MAV3-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. ground	AC3MAV4-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"]	XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.3 [.130"] 12.5 [.492"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-B
		25.4 [.998"] 24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 2.7 [.106"] 3.3 [.130"] 12.5 [.492"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAH1-AU-B

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-B
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAH3-AU-B
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-B
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAHL1-AU-B
			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-B
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAHL3-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAV1-AU-B





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-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAV3-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAVL1-AU-B
			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-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAVL3-AU-B



Features:

- Thermoplastic Shell with Metal Mounting Flange.
- 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 44-45 Specifications: Page 47 PCB Footprints: Page 48 Panel Cutouts: Page 49



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 Black Finish	AC3MBH-AU-B AC3MBHB-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish Black Finish	AC3MBH1-AU-B AC3MBHB1-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish Black Finish	AC3MBH2-AU-B AC3MBHB2-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish Black Finish	AC3MBH3-AU-B AC3MBHB3-AU-B
			XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish Black Finish	AC3MBHL-AU-B AC3MBHBL-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish Black Finish	AC3MBV-AU-B AC3MBVB-AU-B



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish Black Finish	AC3MBV1-AU-B AC3MBVB1-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish Black Finish	AC3MBV2-AU-B AC3MBVB2-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish Black Finish	AC3MBV3-AU-B AC3MBVB3-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.0 [.118"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish Black Finish	AC3FBH-AU-B AC3FBHB-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.0 [.118"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish Black Finish	AC3FBH1-AU-B AC3FBHB1-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.0 [.118"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish Black Finish	AC3FBH2-AU-B AC3FBHB2-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.0 [.118"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish Black Finish	AC3FBH3-AU-B AC3FBHB3-AU-B
		19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish Black Finish	AC3FBHL-AU-B AC3FBHBL-AU-B

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
		25.3 [.996"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish Black Finish	AC3FBHL1-AU-B AC3FBHL1-AU-B
		22.4 [.882"] 25.3 [.996"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	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 Black Finish	AC3FBHL2-AU-B AC3FBHL2-AU-B
		25.3 [.996"] 19.5 [.768"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish Black Finish	AC3FBHL3-AU-B AC3FBHL3-AU-B
		25.3 [.996"] 3.0 [.118"] 24.0 [.945"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.140"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish Black Finish	AC3FBV-AU-B AC3FBVB-AU-B
		25.3 [.996"] 3.0 [.118"] 24.0 [.945"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish Black Finish	AC3FBV1-AU-B AC3FBVB1-AU-B
		25.3 [.996"] 3.0 [.118"] 24.0 [.945"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.138"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish Black Finish	AC3FBV2-AU-B AC3FBVB2-AU-B
		25.3 [.996"] 3.0 [.118"] 24.0 [.945"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.140"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish Black Finish	AC3FBV3-AU-B AC3FBVB3-AU-B
		25.3 [.996"] 24.0 [.945"] 19.8 [.780"] 12.5 [.492"] 19.8 [.780"] 2.7 [.106"] 3.5 [.140"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish Black Finish	AC3FBVL-AU-B AC3FBVBL-AU-B





PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	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 Black Finish	AC3FBVL1-AU-B AC3FBVBL1-AU-B
			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 Black Finish	AC3FBVL2-AU-B AC3FBVBL2-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish Black Finish	AC3FBVL3-AU-B AC3FBVBL3-AU-B



Features:

- 5 contacts.
- Thermoplastic Shell
- 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,

Part Number Breakdown: Page 46 Specifications: Page 47
PCB Footprints: Page 48 Panel Cutouts: Page 49



PRODUCT - FIGURE	DRAWING	Dimensions in mm (Inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
		19.8 [.780"] 19.0 [.748"] 25 [.984"] 19.8 [.780"] 3.5 [.138"] 12.5 [.492"] 2.7 [.106"]	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
		19.8 [.780"] 24 [.945"] 25 [.984"] 19.8 [.780"] 12.5 [.492"] 2.7 [.106"]	XLR 5 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAV-AU-B
		19.8 [.780"] 3.2 [.125"] 19.5 [.768"] 25 [.984"] 19.8 [.780"] 3.5 [.138"] 12.5 [.492"] 2.7 [.106"]	XLR 5 pole female, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAH-AU-B
		19.8 [.780"] 3.2 [.125"] 19.5 [.768"] 25 [.984"] 19.8 [.780"] 3.5 [.138"] 12.5 [.492"] 2.7 [.106"]	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

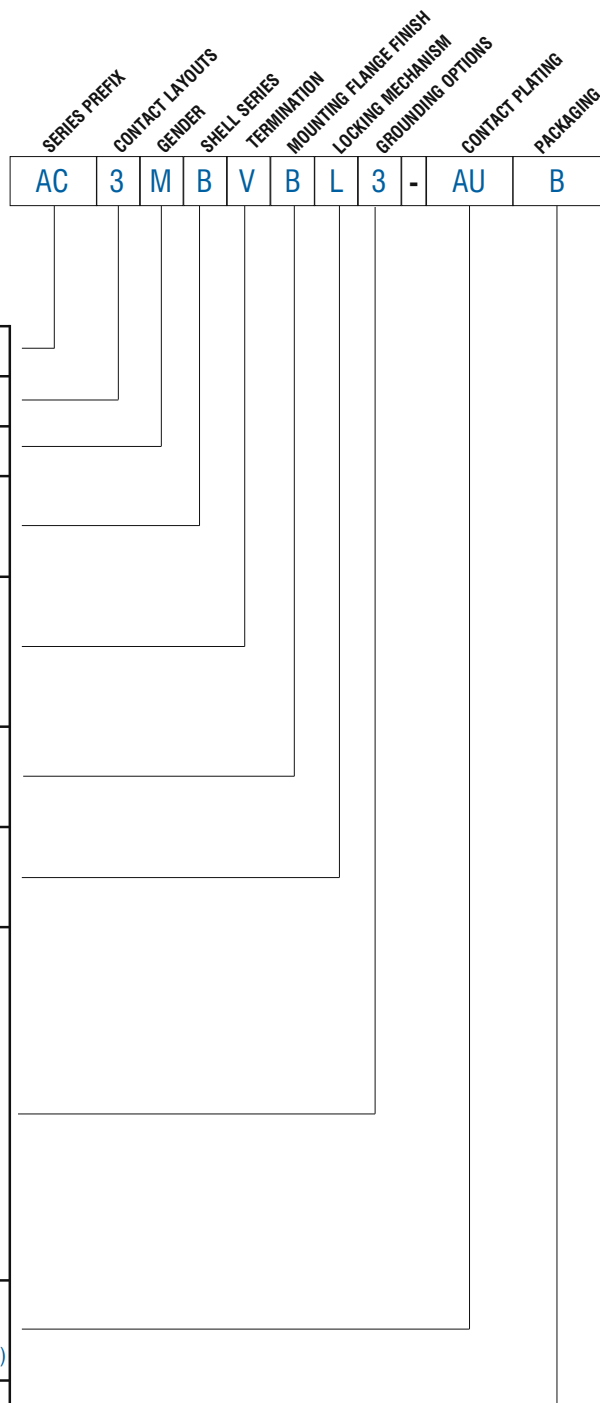
PART NUMBER BREAKDOWN

AC SERIES A AND B TYPE MALE - 3 CONTACT



E. G. **AC3MAVL3-AU B**
AC (series prefix), **3** contacts, **Male**, **A** Type, Vertical Printed Circuit Board, **L**atchless, **3** (Mating Shell to Pin 1 Grounding), **- AU** (Gold Plated Contacts), **B**ulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contacts only
GENDER	M	=	Male Pin Contacts
SHELL SERIES	A	=	A Type
	B	=	B Type
TERMINATION	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
	Blank	=	Solder Bucket Contacts
MOUNTING FLANGE FINISH (B TYPE ONLY)	Blank	=	Nickel
	B	=	Black
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 separate ground.
	3	=	Mating connector to Pin 1
CONTACT PLATING	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
PACKAGING	B	=	Bulk Packed

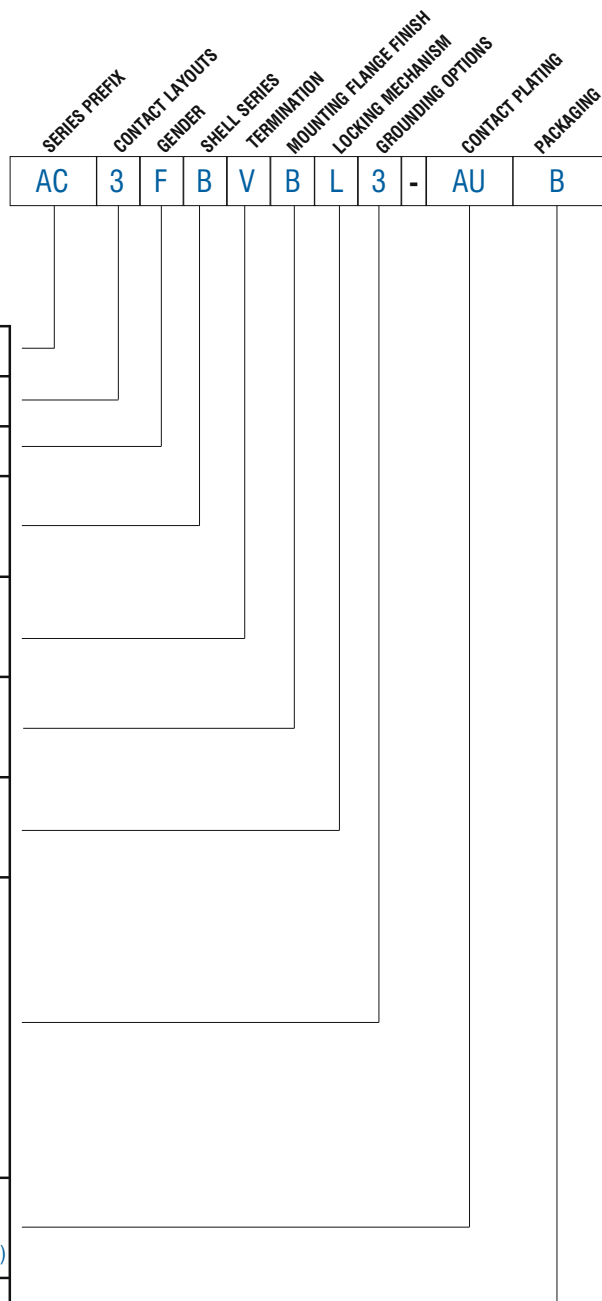


PART NUMBER BREAKDOWN

AC SERIES A AND B TYPE FEMALE - 3 CONTACT

E. G . **AC3FAVL3-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), **B**ulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contacts 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
MOUNTING FLANGE FINISH (B TYPE ONLY)	Blank	=	Nickel
	B	=	Black
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 separate ground.
CONTACT PLATING	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
PACKAGING	B	=	Bulk Packed



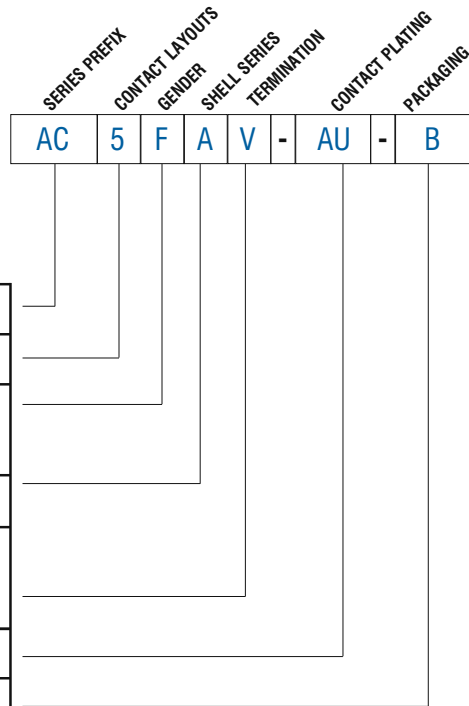
PART NUMBER BREAKDOWN

AC SERIES A TYPE MALE AND FEMALE - 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	5	=	5 Contacts only
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL SERIES	A	=	A Type
TERMINATION	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
CONTACT PLATING	AU	=	Gold Plated Contacts
PACKAGING	B	=	Bulk Packed



STANDARD DATA AC SERIES A AND B TYPE CHASSIS

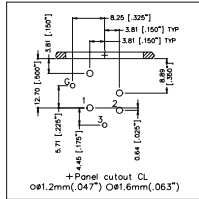
		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	3	5
	Contact Arrangements (Front view of pin insert)		
	Termination	Printed Circuit Board (PCB)	
	Flammability rating of plastics	UL94V-0	UL94HB
	Environmental	Complies with RoHS Directive 2002/95/EC	
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V 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 Hole torque max.	1.5Nm	
	Mechanical Operations	1500 mating cycles	
	Fastening A Type Connectors Fastening B Type Connectors	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration Self-Tapping screw M2.5	
MATERIALS	Connector Flange - B-Type Flange Finish - B-Type	Diecast Zinc Alloy Nickel or Black	
	Insulators	PA6.6+25% glass fibre reinforced, UL94V-0	UL94HB
	Male Contact Material	Brass	
	Male Contact Plating	0.0762μm (3μ") gold over 0.762μm (30μ") nickel	
	Female Contact Material	Bronze	
	Female Contact Plating	0.0762μm (3μ") gold over 0.762μm (30μ") nickel	
	Latch lock and Spring	Spring Steel	
Ground element	Spring Steel		

¹⁾ Not suitable for domestic applications above 50V

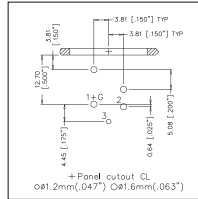
²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.



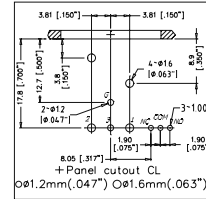
AC SERIES A AND B TYPE CHASSIS PCB FOOTPRINTS STRAIGHT (V) - CONNECTOR SIDE OF PCB



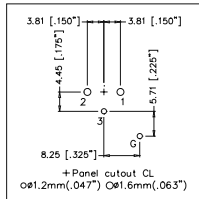
**AC3FAH2
AC3FBH2
AC3FBHB2**



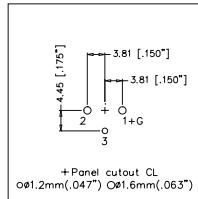
**AC3FAH1
AC3FAH3
AC3FBH1
AC3FBHB1
AC3FBH3**



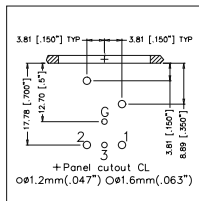
AC3MAH4SWB



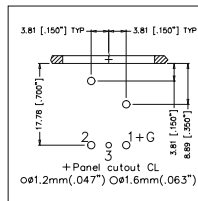
**AC3FAV2
AC3FBV2
AC3FBVB2**



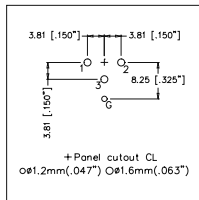
**AC3FAV1
AC3FAV3
AC3FBV1
AC3FBVB1
AC3FBV3**



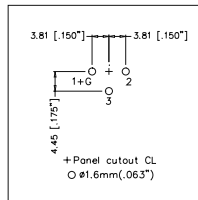
**AC3MAH2
AC3MAH4
AC3MBH2
AC3MBHB2**



**AC3MAH1
AC3MAH3
AC3MBH1
AC3MBHB1
AC3MBH3
AC3MBHB3**

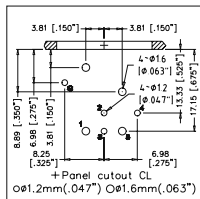


**AC3MAV2
AC3MAV4
AC3MBV2
AC3MBVB2**

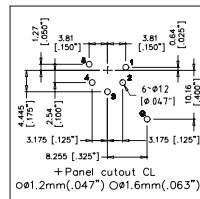


**AC3MAV1
AC3MAV3
AC3MBV1
AC3MBVB1
AC3MBV3
AC3MBVB3**

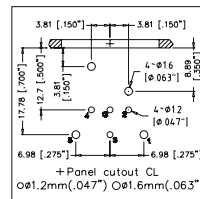
AC SERIES 5 PIN PCB FOOTPRINTS STRAIGHT (V) - CONNECTOR SIDE OF PCB



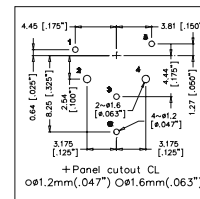
AC5FAH



AC5FAV



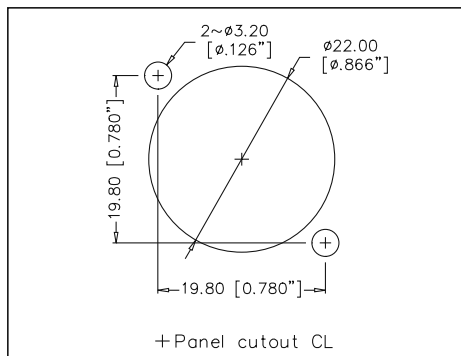
AC5MAH



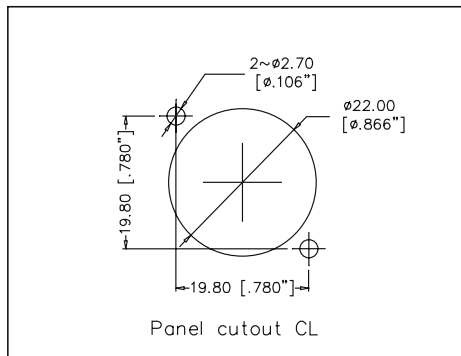
AC5MAV

AC SERIES A AND B TYPE CHASSIS PANEL CUTOUT DIMENSIONS - FRONT VIEW

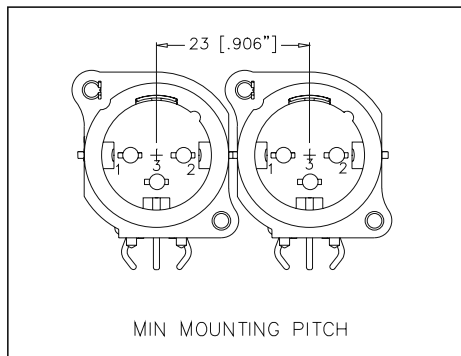
A TYPE



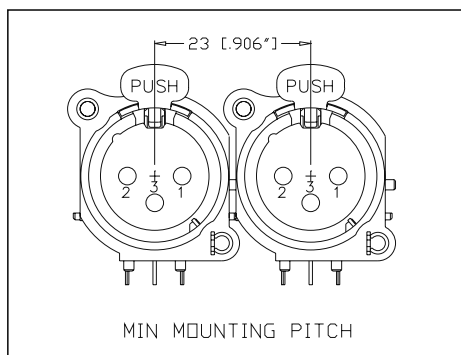
B TYPE



A AND B TYPE MALE
MOUNTING PITCH



A AND B TYPE FEMALE
MOUNTING PITCH





AC SERIES-C TYPE DUAL CONNECTORS JACK/XLR

The AC Series C type chassis receptacles feature two connectors in the one space saving housing. A combined XLR female receptacle together with a 6.35mm (1/4") phone jack give the designer more flexibility ensuring premium board space is saved. Various configurations are available in either stereo or mono layouts with Vertical, Horizontal Printed Circuit Board or Solder contacts.

Features

- Two connectors in the one housing.
- Space saving design.
- Industry standard PCB footprint layout.
- Vertical or Horizontal PCB mounting.
- Bulk packed.
- Positive latch lock system (XLR).

Options

- Solder contacts
- Vertical PCB contacts
- Horizontal PCB contacts
- Bulk Packaging
- 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.



Features:

- Two connectors in the one housing.
- Space saving design.
- Industry standard PCB footprint layout.
- Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system (XLR).


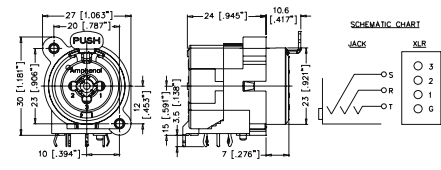

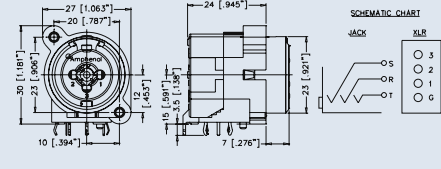

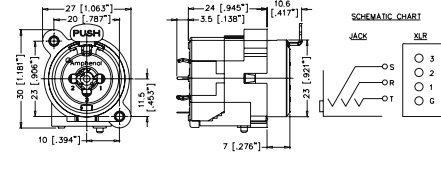

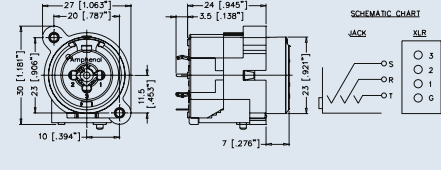

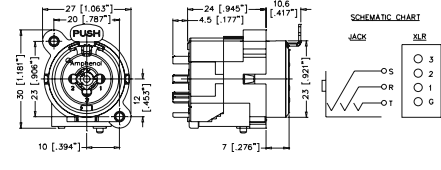

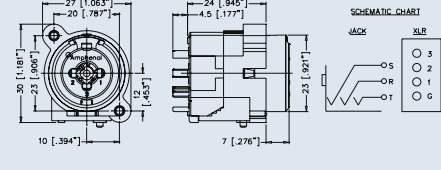

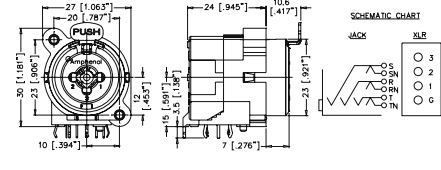

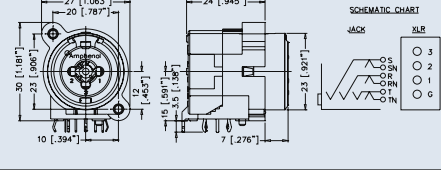
Part Number Breakdown: Page 54

Specifications: Page 56


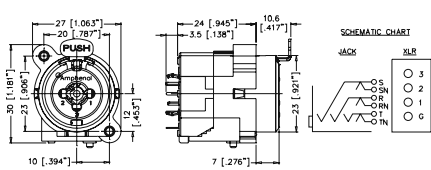

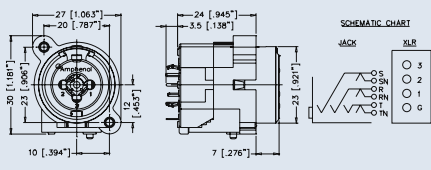

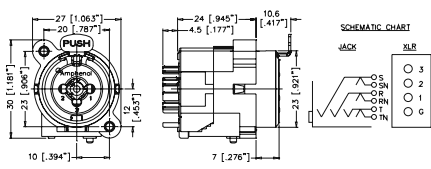

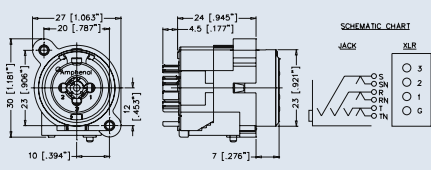

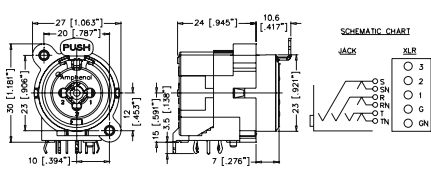

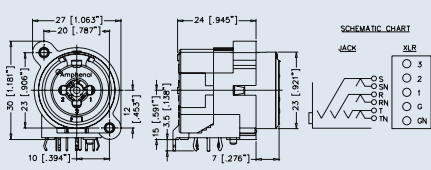

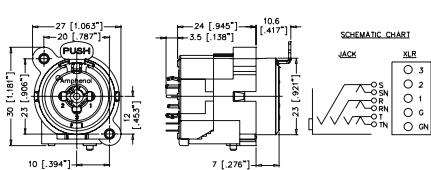

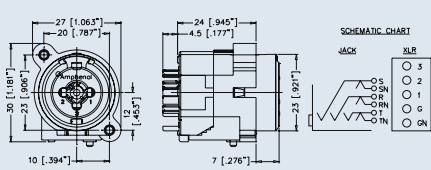
PCB Footprints: Page 55

PRODUCT - FIGURE	DRAWING	Dimensions in mm (Inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		27 [1.063"] 20 [.787"] 24 [.945"] 10.6 [.417"] 12 [.472"] 10 [.394"] 7 [.276"] 23 [.907"] 15 [.591"] 8 [.315"] 5.5 [1.38"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
		27 [1.063"] 20 [.787"] 24 [.945"] 10.6 [1.417"] 12 [.453"] 10 [.394"] 7 [.276"] 23 [.907"] 15 [.591"] 8 [.315"] 5.5 [1.38"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
		27 [1.063"] 20 [.787"] 24 [1.945"] 10.6 [1.417"] 12 [.453"] 10 [.394"] 7 [.276"] 23 [.907"] 15 [.591"] 8 [.315"] 5.5 [1.38"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
		27 [1.063"] 20 [1.787"] 24 [1.945"] 10.6 [1.417"] 12 [.453"] 10 [.394"] 7 [.276"] 23 [.907"] 15 [.591"] 8 [.315"] 5.5 [1.38"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5VL BULK
		27 [1.063"] 20 [1.787"] 24 [1.945"] 10.6 [1.417"] 12 [.453"] 10 [.394"] 7 [.276"] 23 [.907"] 15 [.591"] 8 [.315"] 5.5 [1.38"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
		27 [1.063"] 20 [1.787"] 24 [1.945"] 10.6 [1.417"] 12 [.453"] 10 [.394"] 7 [.276"] 23 [.907"] 15 [.591"] 8 [.315"] 5.5 [1.38"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK


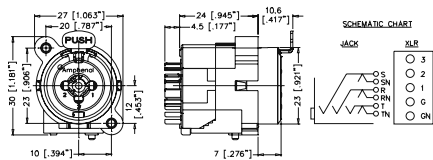

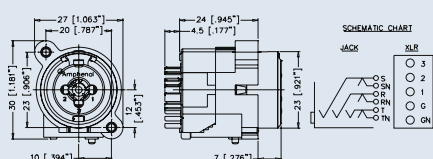

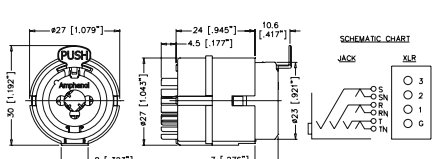


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 12 [.472"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 12 [.472"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6HL BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 11.5 [.453"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 11.5 [.453"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6VL BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 12 [.472"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 12 [.472"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 12 [.472"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
		27 [1.063"] 20 [0.787"] 30 [1.181"] 23 [0.907"] 10 [.394"] 24 [0.945"] 10.6 [0.417"] 12 [.472"] 15 [.591"] 7 [0.276"] 23 [0.907"]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	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



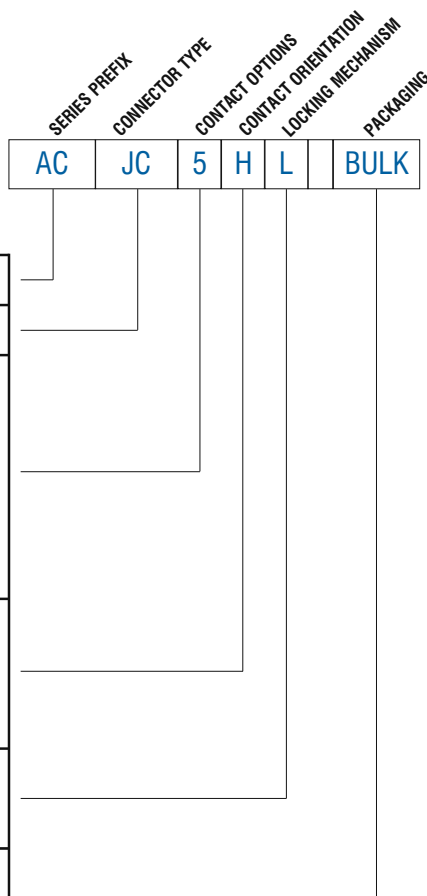
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC10SL BULK
			XLR 3 pole female receptacle with 1/4" jack, Solder Contacts, Overmoldable Connector Housing	Latching and Non-latching options available	ACJC9M BULK

PART NUMBER BREAKDOWN

AC SERIES THERMOPLASTIC C TYPE

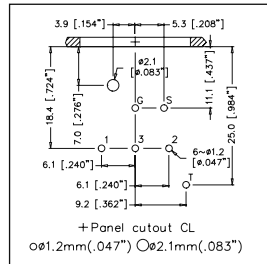
E. G. **ACJC5HL BULK**
AC (Series Prefix), **JC** Jack/Connector XLR, **5** Mono, **H**orizontal Printed Circuit Board, **L**atchless, **BULK** Packaged.

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
CONTACT/HOUSING TYPE	V	=	Vertical Printed Circuit Board
	H	=	Horizontal Printed Circuit Board
	S	=	Solder Contacts
	M	=	Overmoldable Connector Housing
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

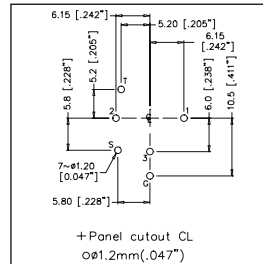


AC SERIES C TYPE SERIES

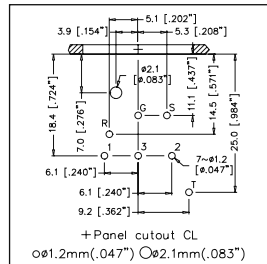
**ACJC5H
ACJC5HL**



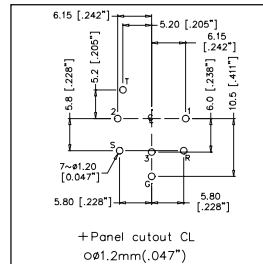
**ACJC5V
ACJC5VL**



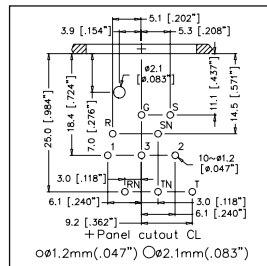
**ACJC6H
ACJC6HL**



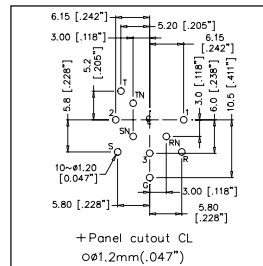
**ACJC6V
ACJC6VL**



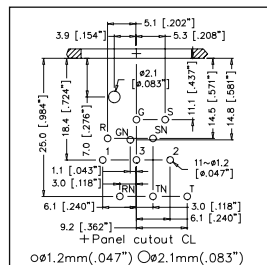
**ACJC9H
ACJC9HL**



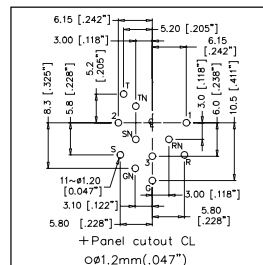
**ACJC9V
ACJC9VL**



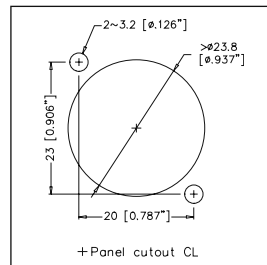
**ACJC10H
ACJC10HL**



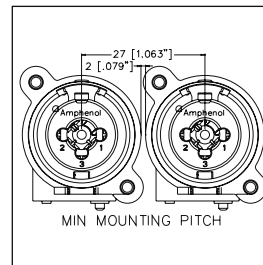
**ACJC10V
ACJC10VL**



**C TYPE
PANEL CUTOUT**



**C TYPE
MOUNTING PITCH**



STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	5, 6, 9 or 10
	Termination	Printed Circuit Board (PCB) or Solder Bucket
	Flammability	UL 94HB
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**	14g (0.030lb)
	Retention Spring separating force	≥20N
	Mounting Hole torque max.	1.5Nm
	Mechanical Operations	1500 mating cycles
	Fastening	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration
MATERIALS	Connector Shell	PA6.6 + 20% glass fibre reinforced, UL 94HB
	Shell Finish	Black
	Insulators	PA6.6 + 20% glass fibre reinforced, UL 94HB
	XLR Contact	
	Material	Bronze
	Plating	Gold over Nickel plated
	Jack Contact	
	Material	Brass
Plating	Silver over Copper plated	
Latch lock and Spring	Nickel Plated	
Ground element	Silver over Copper plated	

Rev 3- 12/2009

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



AC SERIES XLR THERMOPLASTIC CHASSIS MOUNT CONNECTORS

This receptacle is manufactured from glass filled UL94V-0 PBT Resin, and provides a lower cost alternative to the 'Z' series metal shell. Available in the small "D" or larger "P" housing or the dual versions featuring two connectors within a single housing. A positive latch lock system secures the mating cable connector. Manufactured to comply with IEC 268-12 and AES 14-1992 standards. CSA File Number 68598

Features

- Thermoplastic Shell.
- The "D" size housing can be either front or rear mounted using the same panel cutout.
- The "P" size housing is the original front mounting XLR connector.
- Dual versions provide two connectors in the one shell.
- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- Solder cup or Insulation Displacement Contact (IDC) as well as Vertical or Horizontal PCB versions are available.
- Latching and Non-latching versions available.
- Available in 3 contact arrangements only.
- Compatible with all other XLR brands.

Options

- Solder Bucket termination
- Insulation Displacement Contacts (IDC)
- Vertical PCB contacts
- Horizontal PCB contacts
- Gold, Silver or Tin Plated Contacts
- Bulk Packaging
- Single Bag packs
- Cost effective stamped contacts
- Latching or Non-latching.

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:

- Thermoplastic shell.
- D type Flange.
- Solder Bucket connections.
- Vertical or Horizontal PCB mounting.
- Stamped contacts.
- Leading first mate last break socket contact.
- Positive latch lock system.
- Coloured housings available as specials.

Options: Solder Buckets, Vertical or Horizontal PCB, Bulk Pack, Latching or Non-latching, Gold Plated Contacts, Machined Contacts.

**Part Number Breakdown: Page 59 Specifications: Page 65
PCB Footprints: Page 66 Panel Cutouts: Page 66**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, D Flange, Thermoplastic shell, Solder Buckets	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MDP AC3MDP BULK AC3MDPL AC3MDPL BULK
			XLR 3 pole male, D Flange, Airtight Thermoplastic shell, Machined Contacts, Solder Buckets	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MMDP AC3MMDP BULK AC3MMDPL AC3MMDPL BULK
			XLR 3 pole female, D Flange, Thermoplastic shell, Solder Buckets	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FDP AC3FDP BULK AC3FDPL AC3FDPL BULK
			XLR 3 pole male, D Flange, Thermoplastic shell, Horizontal PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MDPH AC3MDPH BULK AC3MDPHL AC3MDPHL BULK
			XLR 3 pole female, D Flange, Thermoplastic shell, Horizontal PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FDPH AC3FDPH BULK AC3FDPHL AC3FDPHL BULK
			XLR 3 pole male, D Flange, Thermoplastic shell, Vertical PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MDPV AC3MDPV BULK AC3MDPVL AC3MDPVL BULK
			XLR 3 pole female, D Flange, Thermoplastic shell, Vertical PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FDPV AC3FDPV BULK AC3FDPVL AC3FDPVL BULK

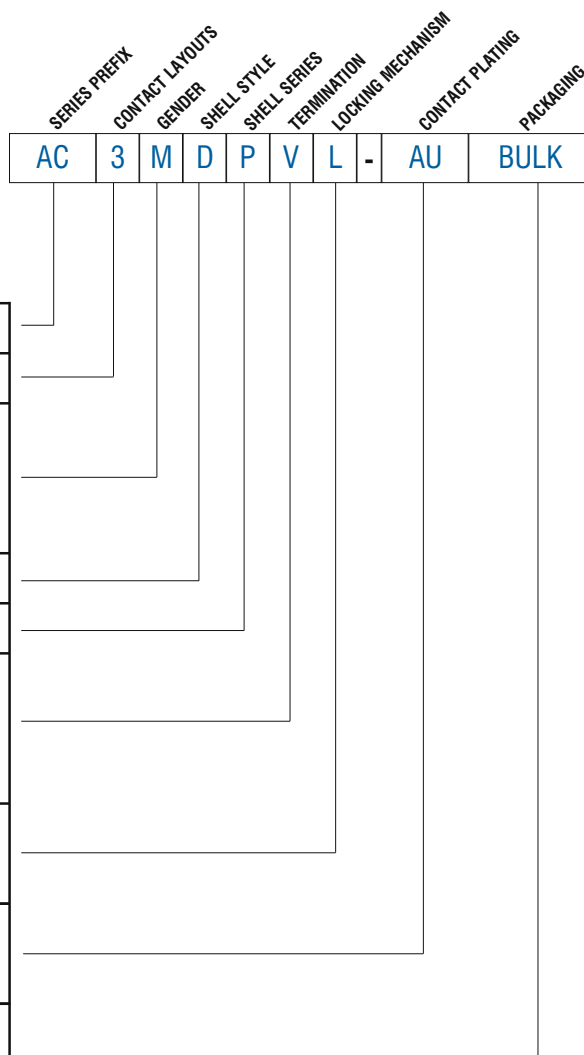
PART NUMBER BREAKDOWN

THERMOPLASTIC D TYPE FLANGE

E. G. **AC3MDPVL-AU BULK**

AC (Series Prefix), **3** contacts, **M**ale, **D** (Small Shell), **P** (Thermoplastic Chassis series) Vertical Printed Circuit Board, **L**atchless - **AU** (Gold Plated Contacts), **BULK** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contacts only
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
	MM	=	Male Machined Contacts
SHELL STYLE	D	=	Small Shell
SHELL SERIES	P	=	Thermoplastic Chassis Series
TERMINATION	Blank	=	Solder Buckets
	V	=	Vertical Printed Circuit Board
	H	=	Horizontal Printed Circuit Board
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless (Non-Latching)
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed





Features:

- Thermoplastic Shell.
- P Type Flange.
- Solder Bucket connections.
- Vertical or Horizontal PCB mounting.
- Stamped contacts.
- Leading first mate last break socket contact.
- Positive latch lock system.
- Coloured housings available as specials.

Options: Solder Buckets, Vertical or Horizontal PCB, Bulk Pack, Latching or Non-latching, Gold Plated Contacts.

Part Number Breakdown: Page 61 Specifications: Page 65 PCB Footprints: Page 66 Panel Cutouts: Page 66

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, Wide Flange, Thermoplastic shell, Solder Buckets	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MPP AC3MPP BULK AC3MPPL AC3MPPL BULK
			XLR 3 pole female, Wide Flange, Thermoplastic shell, Solder Buckets	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FPP AC3FPP BULK AC3FPPL AC3FPPL BULK
			XLR 3 pole male, Wide Flange, Thermoplastic shell, Horizontal PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MPPH AC3MPPH BULK AC3MPPHL AC3MPPHL BULK
			XLR 3 pole female, Wide Flange, Thermoplastic shell, Horizontal PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FPPH AC3FPPH BULK AC3FPPHL AC3FPPHL BULK
			XLR 3 pole male, Wide Flange, Thermoplastic shell, Vertical PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MPPV AC3MPPV BULK AC3MPPVL AC3MPPVL BULK
			XLR 3 pole female, Wide Flange, Thermoplastic shell, Vertical PCB mount	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FPPV AC3FPPV BULK AC3FPPVL AC3FPPVL BULK

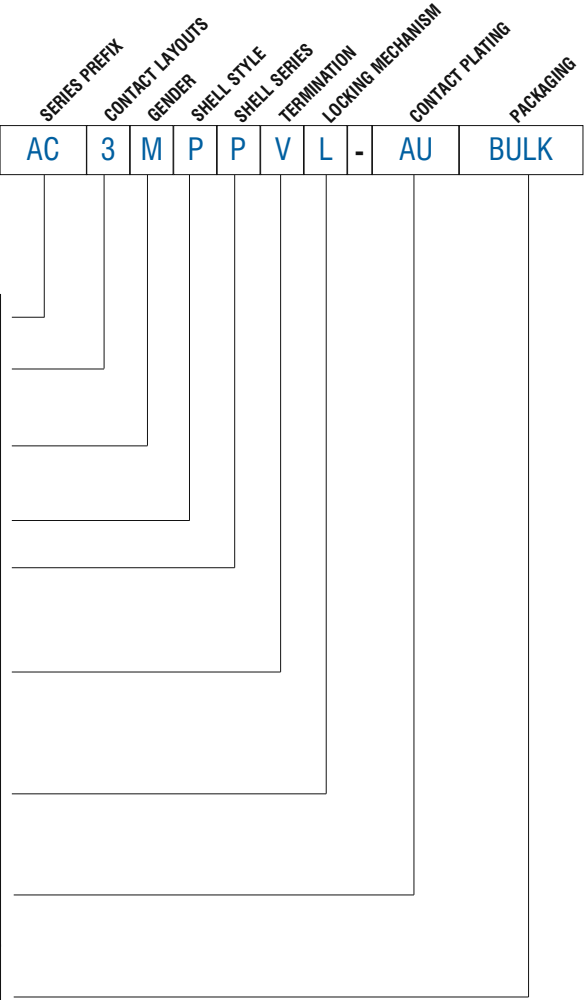


PART NUMBER BREAKDOWN

THERMOPLASTIC P TYPE FLANGE

E. G. **AC3MPPVL-AU BULK**
AC (Series Prefix), **3** contacts, **M**ale, **P** (Large Shell), **P** (Thermoplastic Chassis series) Vertical Printed Circuit Board, **L**atchless - **AU** (Gold Plated Contacts), **BULK** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contacts Only
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL STYLE	P	=	Large Shell with wide flange
SHELL SERIES	P	=	Thermoplastic Chassis Series
TERMINATION	Blank	=	Solder Buckets
	V	=	Vertical Printed Circuit Board
	H	=	Horizontal Printed Circuit Board
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless (Non-Latching)
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed





The Insulation Displacement Contact (IDC) connector is ideal for Original Equipment Manufacturers and end users alike and offers an alternative to our standard solder connector. Connectors can be quickly and easily assembled without screws or a soldering iron – by hand. Labour savings of up to 60% in termination time can be achieved.

Recommended Cable Specifications: Page 65


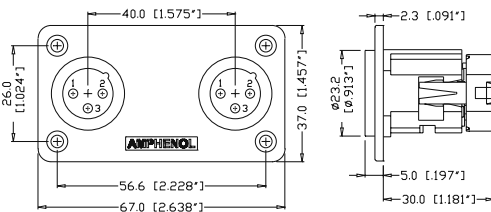

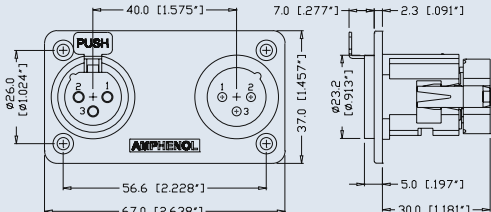

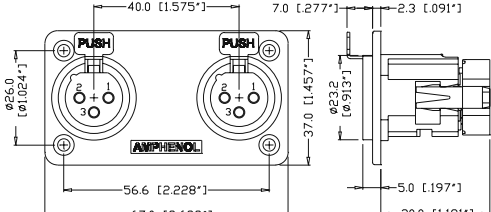

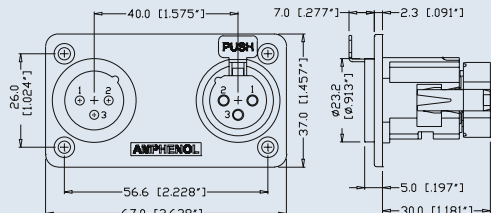
Features:

- Thermoplastic Shell.
- Optional "D", "P" or Dual Housing flange sizes.
- Insulation Displacement Contacts (IDC)
- Stamped contacts.
- Leading first mate last break socket contact.
- Positive latch lock system.
- Coloured housings available as specials.

Options: Gold plated contacts, Bulk Pack, Latching or Non-latching
Part Number Breakdown: Page 64 Specifications: Page 65
Assembly Instructions: Page 67 Panel Cutouts: Page 66

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, D Flange, IDC contacts, Thermoplastic shell	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MDPI AC3MDPI BULK AC3MDPIL AC3MDPIL BULK
			XLR 3 pole female, D Flange, IDC contacts, Thermoplastic shell	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FDPI AC3FDPI BULK AC3FDPIL AC3FDPIL BULK
			XLR 3 pole male, Wide Flange, IDC contacts, Thermoplastic shell	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3MPPI AC3MPPI BULK AC3MPPIL AC3MPPIL BULK
			XLR 3 pole female, Wide Flange, IDC contacts, Thermoplastic shell	Standard Bulk Pack Non-Latching Non-Latching Bulk	AC3FPPI AC3FPPI BULK AC3FPFIL AC3FPFIL BULK



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male + 3 pole male, Dual Flange, IDC contacts, Thermoplastic shell	Latching Non-Latching	AC3M3MPPI AC3M3MPPIL
			XLR 3 pole female + 3 pole male, Dual Flange, IDC contacts, Thermoplastic shell	Latching Non-Latching	AC3F3MPPI AC3F3MPPIL
			XLR 3 pole female + 3 pole female, Dual Flange, IDC contacts, Thermoplastic shell	Latching Non-Latching	AC3F3FPPI AC3F3FPPIIL
			XLR 3 pole male + 3 pole female, Dual Flange, IDC contacts, Thermoplastic shell	Latching Non-Latching	AC3M3FPPI AC3M3FPPIIL

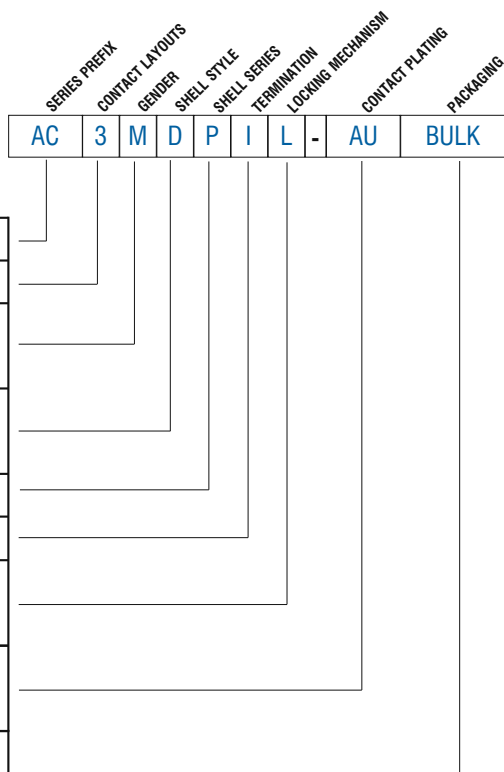


PART NUMBER BREAKDOWN

IDC D AND P THERMOPLASTIC CHASSIS TYPE

E. G. **AC3MDPIL-AU BULK**
AC (series prefix), **3** contacts, **M**ale, **D** Flange, **P**lastic Shell, **IDC**, **L**atchless,
- AU (Gold Plated Contacts), **BULK** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contacts only
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL STYLE	D	=	D Flange
	P	=	P Flange
SHELL SERIES	P	=	Thermoplastic Chassis Series
TERMINATION	I	=	IDC Termination
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

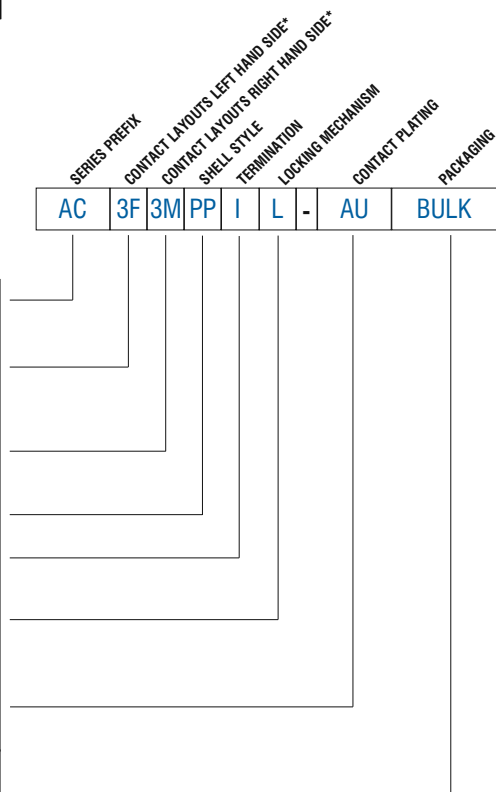


PART NUMBER BREAKDOWN

IDC DUAL THERMOPLASTIC CHASSIS TYPE


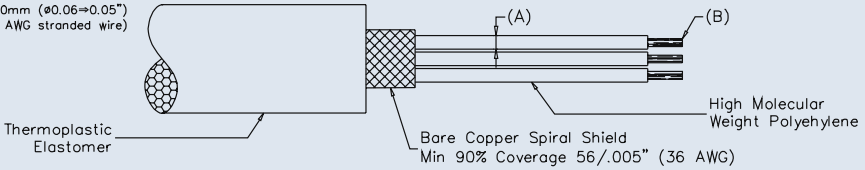
E. G. **AC3F3MPPIL-AU BULK**
AC (series prefix), **3F**emale, **3M**ale, **PP** (Dual Thermoplastic Chassis series), **IDC**,
Latchless, **- AU** (Gold Plated Contacts), **BULK** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT LEFT HAND SIDE³⁾	3F	=	3 Female Socket Contacts only
	3M	=	3 Male Pin Contacts only
CONTACT LAYOUT RIGHT HAND SIDE³⁾	3F	=	3 Female Socket Contacts
	3M	=	3 Male Pin Contacts
SHELL STYLE	PP	=	Dual Thermoplastic Chassis Series
TERMINATION	I	=	IDC Termination
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



³⁾ Viewed from front of connector.

STANDARD DATA AC CHASSIS - THERMOPLASTIC

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	3
	AC Series Contact Arrangements (Front view of pin inserts)	
	Termination	Solder / IDC / Printed Circuit Board (PCB)
	Wire Gauge - Stranded wire:	
	IDC	24AWG
	Solder	12AWG
	Printed Circuit Board (PCB)	N/A
	Flammability	UL94V-0
Environmental	Complies with RoHS Directive 2002/95/EC	
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾
	Test Voltage AC RMS	1400V
	Current carrying capacity:	
	IDC	1A
	Solder	15A
	Printed Circuit Board (PCB)	15A
	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 ²⁾	14g - (0.030lb)
	Mechanical Operations	1000 mating cycles
MATERIALS	Connector Shell - Thermoplastic	Thermoplastic, ULV94V-0 Modified PPE Resin
	Shell Finish	Black, other colours available - contact factory
	Insulators	ULV94V-0 PBT Resin or Modified PPE Resin
	Male Contact Stamped IDC-Material/Plating Stamped Solder and PCB-Material/Plating	Phosphor Bronze / Silver or Gold (optional) Phosphor Bronze / Silver or Gold (optional)
	Female Contact Stamped IDC-Material/Plating Stamped Solder and PCB-Material/Plating	Phosphor Bronze / Tin or Gold (optional) Phosphor Bronze / Tin or Gold (optional)
IDC RECOMMENDED CABLE DIMENSIONS	A - OD ϕ 1.50±1.30mm (ϕ 0.06±0.05") B - 16/.005" (24 AWG stranded wire)	
		Thermoplastic Elastomer Bare Copper Spiral Shield Min 90% Coverage 56/.005" (36 AWG) High Molecular Weight Polyethylene

¹⁾ Not suitable for domestic applications above 50V

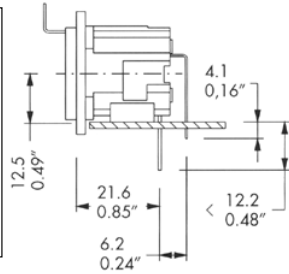
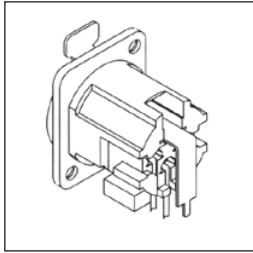
²⁾ Approximate weight in grams does not include packaging. Please contact us for exact weight for shipping purposes.



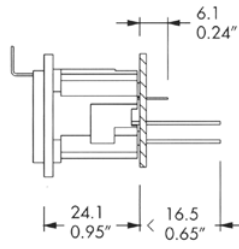
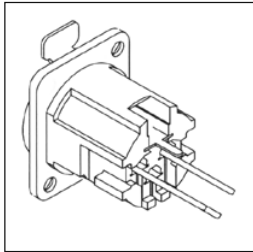
AC SERIES RECEPTACLES THERMOPLASTIC

MOUNTING INFORMATION

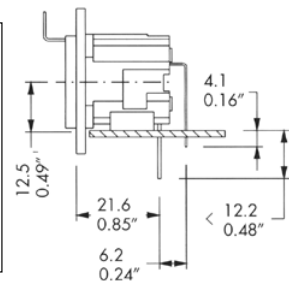
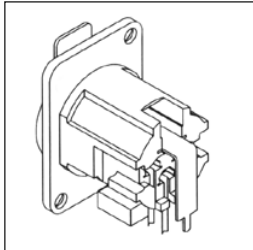
'D' SERIES 90° PCB (H)



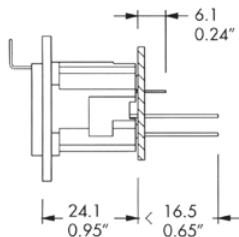
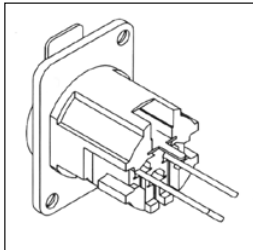
'D' SERIES STRAIGHT PCB (V)



'P' SERIES 90° PCB (H)

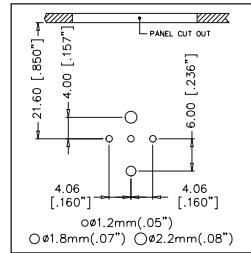


'P' SERIES STRAIGHT PCB (V)

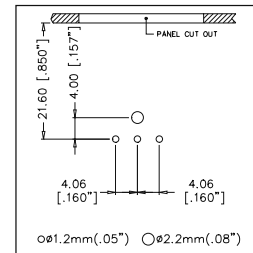


NOTE: For Dual Gang dimensions other than the mounting centres shown opposite please refer to the P Series above.

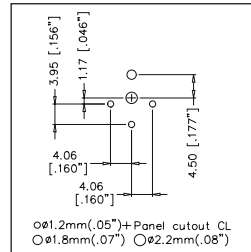
PCB FOOTPRINT - CONNECTOR SIDE OF PCB



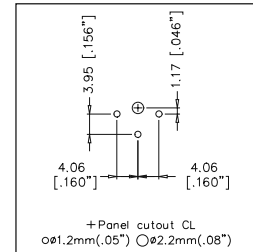
AC3FDPH / AC3FPPH



AC3MDPH / AC3MPPH

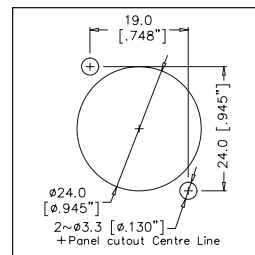


AC3FDPV / AC3FPV

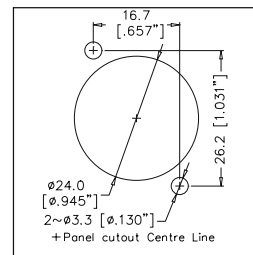


AC3MDPV / AC3MPV

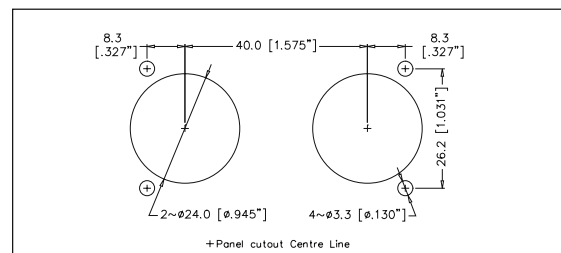
PANEL CUTOUT DIMENSIONS - FRONT VIEW



AC3FDP / AC3MDP

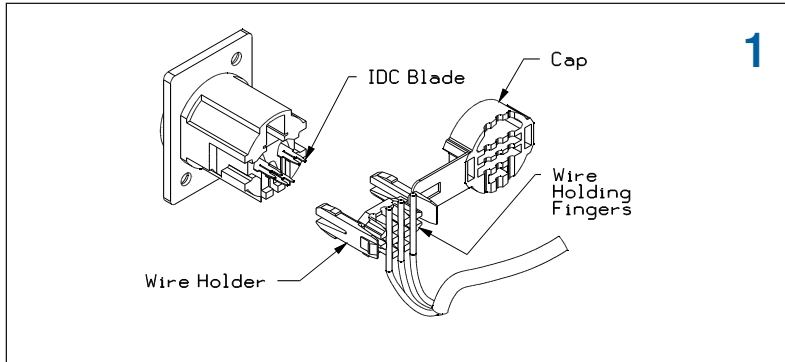


AC3FPP / AC3MPP

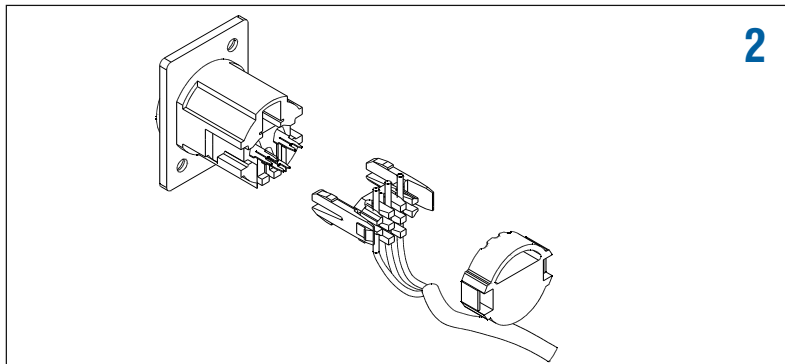


AC DUAL GANG

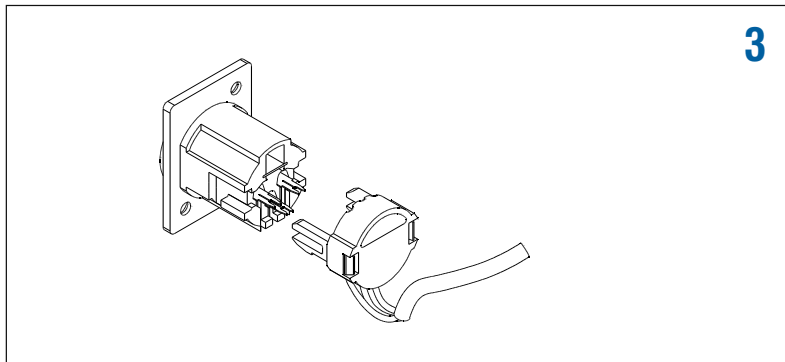
AC IDC SERIES CHASSIS ASSEMBLY INSTRUCTIONS



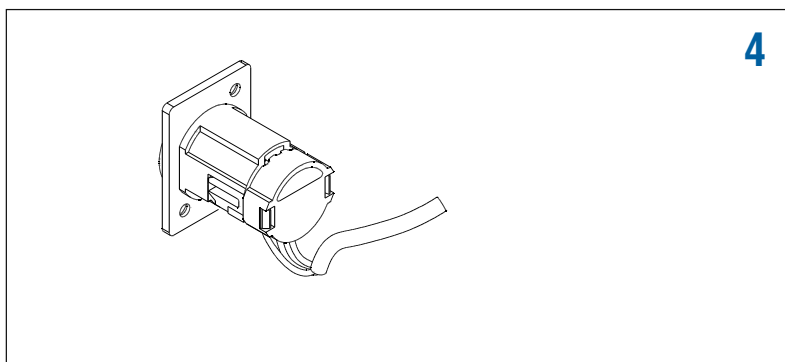
Lay the insulated conductors between the wire holding fingers. The fingers will retain the wire if it is inserted sufficiently.



Break the strap off from the wire holder and the cap. Assemble the cap to the wire holder as shown. Push it home until the second snap operates.



Align the wire holder and cap assembly with the slots down the side of the connector body. Push together, being careful not to damage the IDC blades through misalignment.



Ensure wire holder snaps into the body.



HIGH POWER AND LOUDSPEAKER CONNECTORS

The SP Series are available in 2 or 4 pole chassis mount connectors. The durable thermoplastic housings are fitted with high power contacts to ensure optimal current carrying capacity. Completely intermatable with industry standard loudspeaker connections.

The EP Series incorporates a rugged zinc diecast shell to give it maximum durability when used in demanding situations. The EP cable connector cable flex relief design minimises cable bend stress at point of entry into the connector housing.

The AP Series Shell is manufactured from tough, durable thermoplastic, and ideal for fixed indoor installations. Both the EP and AP Series utilise the same contact and insulator components.

Features

- High current contacts for distortion free signal.
- Tough, durable zinc diecast shell for the EP series.
- Cost effective durable thermoplastic shell for the AP and SP series.
- EP series available in 3, 4, 5, 6 and 8 contact arrangements
- AP series available in 4, 5, 6, and 8 contact arrangements.
- SP series available in 2 and 4 contact arrangements.

- EP series cable clamp capable of supporting cables from 9mm (0.35") to 16mm (0.63") in diameter.
- Quick release, vibration resistant latch lock.
- AP & EP series are completely intermatable.

Options

- Solder termination / Tab or Printed Circuit Board versions
- Nickel Plated Zinc Alloy shell (EP Series)
- Black finished Zinc Alloy shell (EP Series)
- Precision machined contacts
- Thermoplastic shell (EP/SP Series)

Ordering Codes

We have listed the more common ordering codes in each section. 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.





Amphenol's range of loudspeaker connectors have been further enhanced with the introduction of the SP Series. Designed to complement the popular EP/AP Series, we now offer a range of loudspeaker connectors to suit most applications. SP Series chassis connectors are available in industry standard PCB footprints with solder tabs.


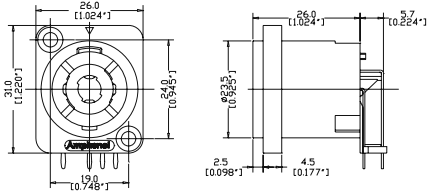

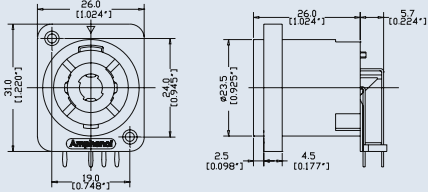

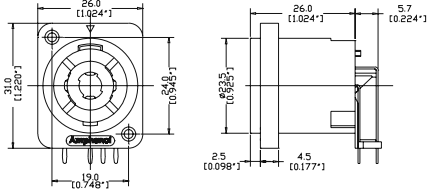

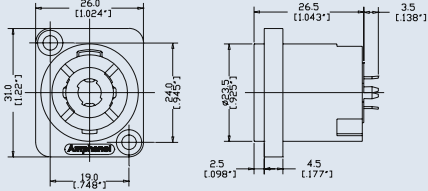
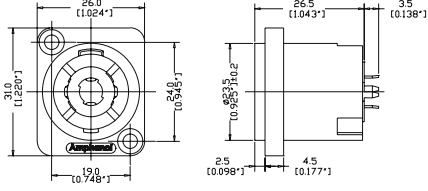

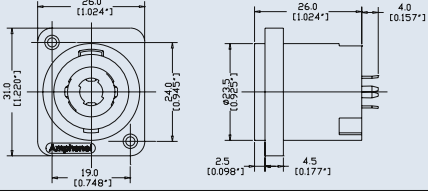
Features:

- 2 or 4 pole
- Solder tabs
- Vertical or Horizontal PCB contacts
- Various mounting hole options
- 30A Current rating
- Coloured Housings
- Industry standard mating

**Part Number Breakdown: Page 71 Specifications: Page 73
PCB Footprints: Page 72**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (Inches)	DESCRIPTION	COLOUR	PART NUMBER
		26.0 (1.024") 31.0 (1.220") 19.0 (0.748") 24.0 (0.945") 28.2 (1.110") 4.3 (0.169") 2.5 (0.098") 4.5 (0.177") ø23.5 (0.925")	2 pole, D flange, Thru holes, Solder tabs 3/16"	Black	SP-2-MD
		26.0 (1.024") 31.0 (1.220") 19.0 (0.748") 24.0 (0.945") 26.0 (1.024") 5.7 (0.224") 2.5 (0.098") 4.5 (0.177") ø23.5 (0.925")	2 pole, D flange, Thru holes, Horizontal PCB	Black	SP-2-MDH
		26.0 (1.024") 31.0 (1.220") 19.0 (0.748") 24.0 (0.945") 26.5 (1.043") 3.5 (0.138") 2.5 (0.098") 4.5 (0.177") ø23.5 (0.925")	2 pole, D flange, Thru holes, Vertical PCB	Black	SP-2-MDV
		26.0 (1.024") 31.0 (1.220") 19.0 (0.748") 24.0 (0.945") 28.2 (1.110") 4.3 (0.169") 2.5 (0.098") 4.5 (0.177") ø23.5 (0.925")	4 pole, D flange, Thru holes, Solder tabs 3/16"	Black	SP-4-MD
		26.0 (1.024") 31.0 (1.220") 19.0 (0.748") 24.0 (0.945") 28.2 (1.110") 4.3 (0.169") 2.5 (0.098") 4.5 (0.177") ø23.5 (0.925")	4 pole, D flange, Thru holes, Solder tabs 3/16"	Grey	SP-4-MD-8
		26.0 (1.024") 31.0 (1.220") 19.0 (0.748") 24.0 (0.945") 28.2 (1.110") 4.3 (0.169") 2.5 (0.098") 4.5 (0.177") ø23.5 (0.925")	4 pole, D flange, Self Tapping holes, Solder tabs 3/16"	Black	SP-4-MDT



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	COLOUR	PART NUMBER
			4 pole, D flange, Thru holes, Horizontal PCB	Black	SP-4-MDH
			4 pole, D flange, Self Tapping holes, Horizontal PCB	Grey	SP-4-MDHT-8
			4 pole, D flange, Self Tapping holes, Horizontal PCB	Black	SP-4-MDHT
			4 pole, D flange, Thru holes, Vertical PCB	Black	SP-4-MDV
			4 pole, D flange, Thru holes, Vertical PCB	Red	SP-4-MDV-2
			4 pole, D flange, Self Tapping holes, Vertical PCB	Grey	SP-4-MDVT-8

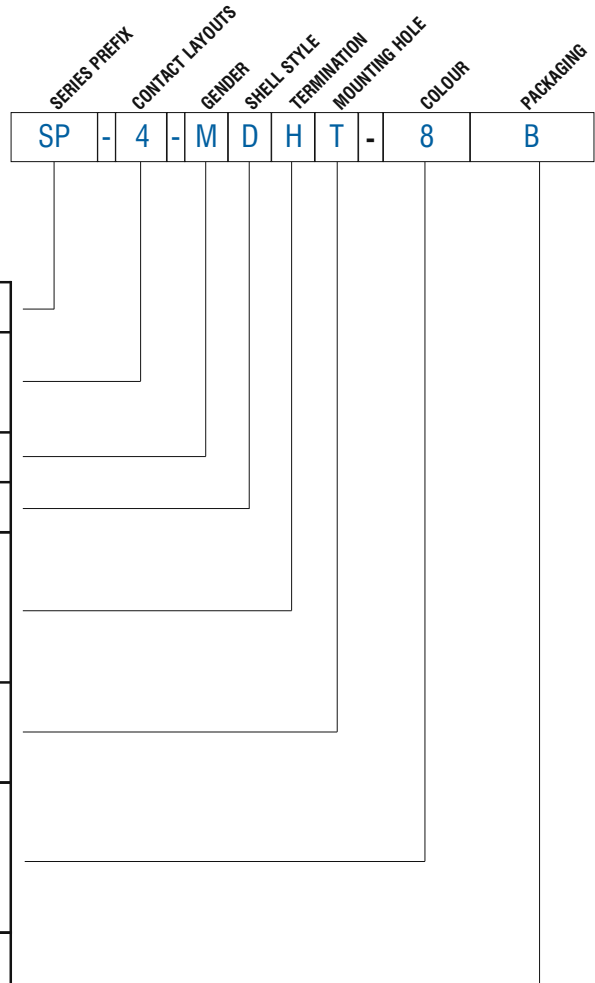


PART NUMBER BREAKDOWN

SP SERIES

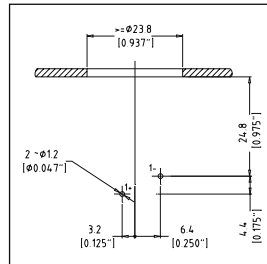
E. G . **SP-4-MDHT-8B**
SP (Series Prefix), **4** contacts, **M**(Chassis Connector), **D** (D Shell), **H**orizontal Printed Circuit Board, Self Tapping mounting holes - **8** (Grey), **B**ulk Packaged.

SERIES PREFIX	SP	=	Series Prefix
CONTACT LAYOUT	2	=	2 Contacts
	4	=	4 Contacts
GENDER	M	=	Chassis Connector
SHELL STYLE	D	=	Standard 'D' Type flange
TERMINATION	Blank	=	Solder tabs - 3/16" terminals
	V	=	Vertical Printed Circuit Board
	H	=	Horizontal Printed Circuit Board
MOUNTING HOLE	Blank	=	Thru Hole
	T	=	Self Tapping
CONTACT PLATING	Blank	=	Black
	2	=	Red
	8	=	Grey
PACKAGING	Blank	=	Individual Bags
	B	=	Bulk Packed

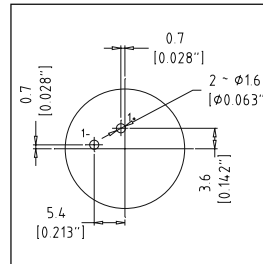


SP SERIES

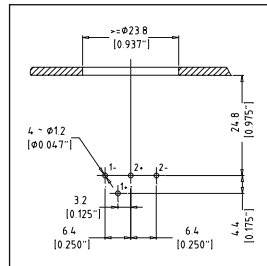
SP-2-MDH



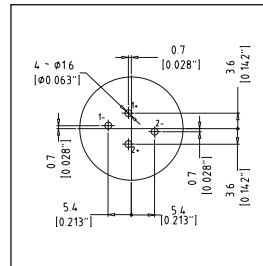
SP-2-MDV



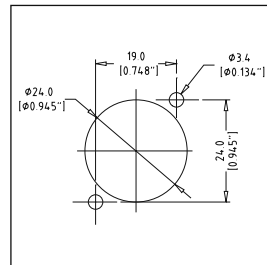
SP-4-MDH
SP-4-MDHT-8
SP-4-MDHT



SP-4-MDV
SP-4-MDV-2
SP-4-MDVT-8



SP SERIES
PANEL CUTOUT



STANDARD DATA SP SERIES CHASSIS CONNECTORS

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	2 or 4
	Termination	Printed Circuit Board (PCB) or Solder Tabs 3/16"
	Flammability	UL94HB
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾
	Test Voltage AC RMS	1500V
	Current carrying capacity	30A
	Typical Contact Resistance	≤3mΩ
	Insulation Resistance (initial)	≥2GΩ
	Insulation Resistance (after damp heat test)	≥1GΩ
CLIMATIC CHARACTERISTICS	Protection Class	IP54
	Operating Temperature	-25 °C to +75 °C
MECHANICAL CHARACTERISTICS	Weight**	12g (0.026lb)
	Mechanical Operations	5000 mating cycles
	Fastening	M3 screw
MATERIALS	Connector Shell	PA66 GF20
	Insulators	PA66 GF20
	Contact Material	Phosphor Bronze
	Plating	Silver

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

¹⁾Not suitable for domestic applications above 50V



Rev 2-12/2010

Amphenol

EP / AP / SP SERIES

EP METAL TYPE - SOLDER



The EP Series has set the standard in high performance speaker connectors. Apart from its durability and strength, it offers consistent superior power handling capabilities.

Features:


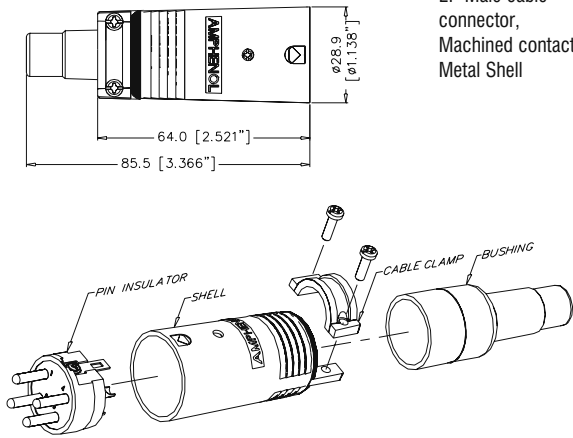

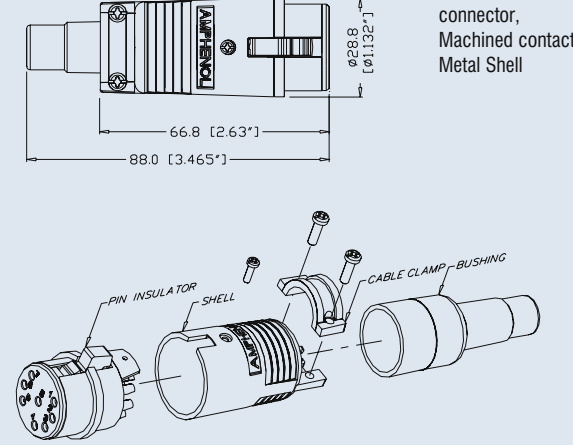
- Solder Bucket connections.
- Precision machined contacts.
- Diecast Metal Housings
- High current contacts
- Male and female cable and chassis connectors available.



Options: Black Finish Shell.

Specifications: Page 77-78

Panel Cutouts: Page 78



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
 <p>ISO ASSEMBLY OF EP MALE</p>		<p>EP Male cable connector, Machined contacts, Metal Shell</p>	3 pole nickel finish	EP-3-12	
			3 pole black finish	EP-3-12B	
			4 pole nickel finish	EP-4-12	
			4 pole black finish	EP-4-12B	
			5 pole nickel finish	EP-5-12	
			5 pole black finish	EP-5-12B	
			6 pole nickel finish	EP-6-12	
			6 pole black finish	EP-6-12B	
			8 pole nickel finish	EP-8-12	
			8 pole black finish	EP-8-12B	
 <p>ISO ASSEMBLY OF EP FEMALE</p>		<p>EP Female cable connector, Machined contacts, Metal Shell</p>	3 pole nickel finish	EP-3-11P	
			3 pole black finish	EP-3-11PB	
			4 pole nickel finish	EP-4-11P	
			4 pole black finish	EP-4-11PB	
			5 pole nickel finish	EP-5-11P	
			5 pole black finish	EP-5-11PB	
			6 pole nickel finish	EP-6-11P	
			6 pole black finish	EP-6-11PB	
			8 pole nickel finish	EP-8-11P	
			8 pole black finish	EP-8-11PB	

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>Dimensions in mm (inches)</p> <p>29.2 [1.148"]</p> <p>29.2 [1.148"]</p> <p>ø50.8 [ø2"]</p> <p>31.8 [1.252"]</p> <p>3.5 [.138"]</p> <p>ø28.8 [ø1.132"]</p>	<p>EP Male chassis mount, Round Flange, Machined contacts, Metal Shell</p>	3 pole nickel finish	EP-3-14
				3 pole black finish	EP-3-14B
				4 pole nickel finish	EP-4-14
				4 pole black finish	EP-4-14B
				5 pole nickel finish	EP-5-14
				5 pole black finish	EP-5-14B
				6 pole nickel finish	EP-6-14
				6 pole black finish	EP-6-14B
				8 pole nickel finish	EP-8-14
8 pole black finish	EP-8-14B				
		<p>Dimensions in mm (inches)</p> <p>29.2 [1.148"]</p> <p>29.2 [1.148"]</p> <p>ø50.8 [ø2"]</p> <p>36.5 [1.438"]</p> <p>3.5 [.138"]</p> <p>38.3 [1.508"]</p> <p>7.5 [.295"]</p>	<p>EP Female chassis mount, Round Flange, Machined contacts, Metal Shell</p>	3 pole nickel finish	EP-3-13P
				3 pole black finish	EP-3-13PB
				4 pole nickel finish	EP-4-13P
				4 pole black finish	EP-4-13PB
				5 pole nickel finish	EP-5-13P
				5 pole black finish	EP-5-13PB
				6 pole nickel finish	EP-6-13P
				6 pole black finish	EP-6-13PB
				8 pole nickel finish	EP-8-13P
8 pole black finish	EP-8-13PB				





The AP Series provides the same power handling performance as the EP Series in a cost effective, yet durable Thermoplastic housing.

Features:

- Solder Bucket connections.
- Precision machined contacts.
- Thermoplastic Housings
- High current contacts
- Male & Female Cable and Chassis connectors available.

Specifications: Page 77-78

Panel Cutouts: Page 78



PRODUCT - FIGURE	DRAWING	Dimensions in mm (Inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		28.8 [1.135"] 100.0 [3.937"]	AP Male cable connector, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-12
				5 pole	AP-5-12
				6 pole	AP-6-12
				8 pole	AP-8-12
		ø28.8 [1.132"] 98.7 [3.886"]	AP Female cable connector, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-11
				5 pole	AP-5-11
				6 pole	AP-6-11
				8 pole	AP-8-11
		29.2 [1.15"] 29.2 [1.15"] ø50.8 [2"] ø32.4 [ø1.276"] 30.6 [1.204"] 2.8 [0.11"] 6.2 [0.244"] 31.8 [1.252"]	AP Male chassis mount, Round Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-14
				5 pole	AP-5-14
				6 pole	AP-6-14
				8 pole	AP-8-14
		7.5 [0.295"] ø32.4 [ø1.276"] 38.3 [1.508"] 29.2 [1.148"] 29.2 [1.148"] ø50.8 [ø2"] 2.8 [0.11"] 6.2 [0.244"] 36.5 [1.438"]	AP Female chassis mount, Round Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-13
				5 pole	AP-5-13
				6 pole	AP-6-13
				8 pole	AP-8-13
		29.2 [1.148"] 50.0 [1.969"] 29.2 [1.148"] 40.0 [1.575"] ø32.4 [ø1.276"] 30.6 [1.204"] 2.8 [0.11"] 6.2 [0.244"] 31.8 [1.252"]	AP Male chassis mount, Rectangular Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-22
				5 pole	AP-5-22
				6 pole	AP-6-22
				8 pole	AP-8-22
		7.5 [0.295"] ø32.4 [ø1.276"] 38.3 [1.508"] 29.2 [1.148"] 50.0 [1.969"] 29.2 [1.148"] 40.0 [1.575"] 2.8 [0.11"] 6.2 [0.244"] 36.5 [1.438"]	AP Female chassis mount, Rectangular Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-21
				5 pole	AP-5-21
				6 pole	AP-6-21
				8 pole	AP-8-21

STANDARD DATA EP/AP

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6	8
	Contact Arrangements (Front view of pin insert)					
	Termination	SOLDER				
	Wire Gauge - Stranded wire:	12AWG	12AWG	12AWG	12AWG	14AWG
	Flammability	UL94V-0				
Environmental	Complies with RoHS Directive 2002/95/EC					
ELECTRICAL CHARACTERISTICS	Service Voltage RMS ¹⁾	460V	660V	200V	200V	100V
	Test Voltage AC RMS	2400V	3000V	1600V	1600V	1300V
	Current carrying capacity	20A	20A	20A	20A	15A
	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 - EP 11 & 12 ²⁾	80g (0.176lb)	84g (0.185lb)	86g (0.189lb)	86g (0.189lb)	86g (0.189lb)
	Weight - EP 13 & 14 ²⁾	48g (0.105lb)	50g (0.110lb)	54g (0.119lb)	54g (0.119lb)	54g (0.119lb)
	Weight - AP 11 & 12 ²⁾	N/A	42g (0.092lb)	44g (0.097lb)	44g (0.097lb)	44g (0.097lb)
	Weight - AP 13, 14, 21 & 22 ²⁾	N/A	26g (0.057lb)	30g (0.066lb)	30g (0.066lb)	28g (0.061lb)
	Typical Cable retention force	22Kg to 44Kg (50lb to 100lb) - Dependant on cable material and diameter				
	Mechanical operations	1000 mating cycles				



Rev 2 - 09/2005

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.

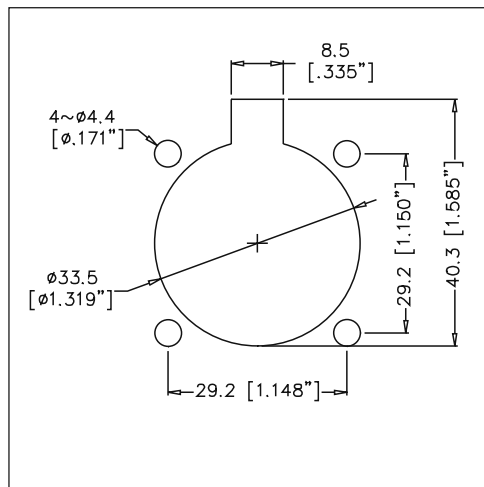
STANDARD DATA EP/AP (CONT'D)

MATERIALS	TYPE	DETAILS	
		AP	EP
	Connector shell	Modified PPE Resin	Diecast Zinc Alloy
	Shell finish	Black	Satin Nickel or Black
	Insulators	UL94V-0 PBT Resin	
	Cable Bushing	Silicon Rubber	UL94 HB Thermoplastic Elastomer
	Male contact Machined - Solder	Brass / Bright Tin	
	Material / Plating		
	Female contact Machined - Solder	Brass / Bright Tin	
	Material / Plating		
CLAMPING CHARACTERISTICS	Cable OD Range	11mm to 17mm (0.43" to 0.67")	9mm to 16mm (0.35" to 0.63")
	Retention Method	Two opposing plastic screws	Metal saddle clamp

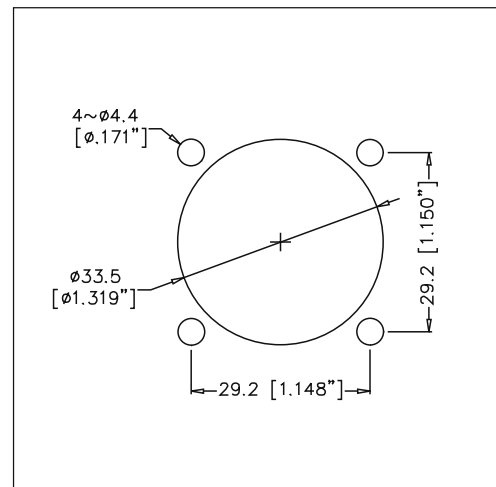


EP/AP SERIES PANEL CUTOUT DATA - FRONT VIEW

EP 13/AP 13/AP 21



EP 14/AP 14/AP 22


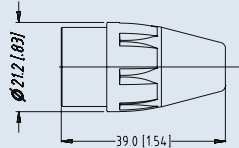

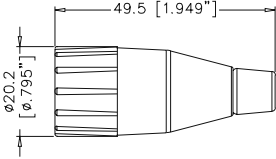

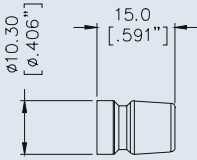

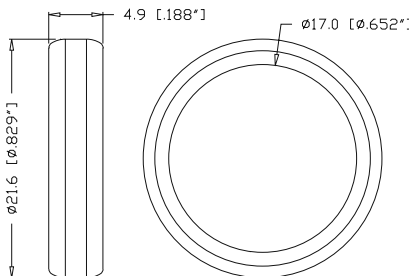





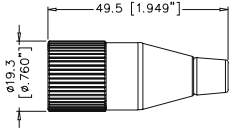

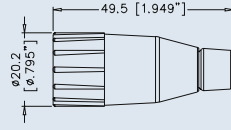
- Colour coded boots(backshells) and rings to assist in cable identification.
- In-line adaptors. Pre-wired for convenience.
- Termination tool for fast assembly of cable connectors.
- Mounting hardware.
- Metal boots(backshells) for rugged environments.

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male to 3 pole male adapter, Pre wired, Metal Shell	Nickel Finish Black Finish	AC3M3MW AC3M3MBW
		XLR 3 pole female to 3 pole female adapter, Pre wired, Metal Shell	Nickel Finish Black Finish	AC3F3FW AC3F3FBW
		XLR 3 pole female to 3 pole male adapter, Pre wired, Metal Shell	Nickel Finish Black Finish	AC3F3MW AC3F3MBW
		XLR 3 pole female to 5 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC3F5MW
		XLR 3 pole male to 5 pole female adapter, Pre wired, Metal Shell	Nickel Finish	AC3M5FW
		XLR 5 pole male to 5 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC5M5MW
		Termination Tool	For IDC and Solder cable connectors	T2860
		Termination Tool	For AC Series Right Angle cable connectors	T2880
		Termination Tool	For AX Series cable connectors	T2890
		A Type / C Type Connector Mounting, Self-Tapping Screw	2.9 x 1.06 Tri-rondular	52500002-734
		B Type Connector Mounting, Self-Tapping Screw	M2.5	52500005-732

ACC.

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		AX Series Coloured Boot	Brown	AX-BOOT-1
			Red	AX-BOOT-2
			Orange	AX-BOOT-3
			Yellow	AX-BOOT-4
			Green	AX-BOOT-5
			Blue	AX-BOOT-6
			Violet	AX-BOOT-7
			Grey	AX-BOOT-8
			White	AX-BOOT-9
			Black	AX-BOOT
Clear	AX-BOOT-CLR			
		AC Coloured Boot / Backshell Note: Number Identification optional. (Please contact us.)	Brown	AC-NUT-BRN
			Red	AC-NUT-RED
			Orange	AC-NUT-ORG
			Yellow	AC-NUT-YEL
			Green	AC-NUT-GRN
			Blue	AC-NUT-BLU
			Violet	AC-NUT-VIO
			Grey	AC-NUT-GRY
White	AC-NUT-WHT			
		Description: Coloured Grommets to suit AC Series, T Series and Musician range	Brown	AC-GROMMET-BRN
			Red	AC-GROMMET-RED
			Orange	AC-GROMMET-ORG
			Yellow	AC-GROMMET-YEL
			Green	AC-GROMMET-GRN
			Blue	AC-GROMMET-BLU
			Violet	AC-GROMMET-VIO
			Grey	AC-GROMMET-GRY
White	AC-GROMMET-WHT			
		AC Coloured Identification Rings – Plain and Numbered Note: Custom number Identification optional. (Please contact us.)	Brown	AC-RING-BRN
			Red	AC-RING-RED
			Orange	AC-RING-ORG
			Yellow	AC-RING-YEL
			Green	AC-RING-GRN
			Blue	AC-RING-BLU
			Violet	AC-RING-VIO
			Grey	AC-RING-GRY
			White	AC-RING-WHT
			Red #1-24	AC-RING-RED-PK1
			Yellow #1-24	AC-RING-YEL-PK1
			Blue #1-24	AC-RING-BLU-PK1
Red #1-48	AC-RING-RED-PK2			
Yellow #1-48	AC-RING-YEL-PK2			
Blue #1-48	AC-RING-BLU-PK2			

ACC.

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
	<p style="text-align: center;">Dimensions in mm (inches)</p> 	AC Metal Boot / Backshell, Black Finish	Not Applicable	AC-NUT-METAL
		AC Thermoplastic Boot / Backshell. Suitable for use with 8.5mm (0.33") O.D. cable.	Not Applicable	AC-NUT-J-BLK

NOTE: All accessories comply with RoHS Directive 2002/95/EC
 NOTE: Please do not refer to this printed catalogue as a colour reference. For exact colours contact your sales representative.



BNC 75 RF CONNECTORS

Amphenol offers a complete range of high-performance BNC plugs for use in digital/ HD video applications. Amphenol's True 75 Ohm BNC connectors perform well up to and beyond 3GHz and are designed to terminate to a variety of popular coaxial cable types. We can also offer custom connectors to suit non-standard cables on request. Plugs feature a precision machined brass body and coupling nut plated with cost effective nickel plating.

Applications

- Broadcast
- High bandwidth video equipment
- D1/D2 serial digital
- Graphic work stations
- Telephony / Workstations

Options

- Crimp Plugs
- Jack to Jack adapters
- Patch Panels
- 'D' Shell Jacks
- Plug to Plug U-Link connectors
- Crimp Tools

Ordering Codes

We have listed the more common ordering codes in each section. Amphenol offer an extensive range of RF connectors for most applications.

Please visit www.amphenolconnex.com for further information. 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.




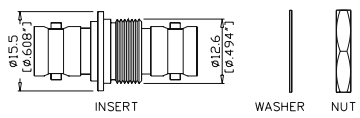

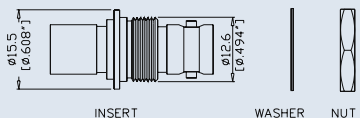

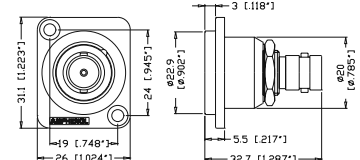

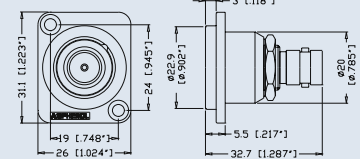

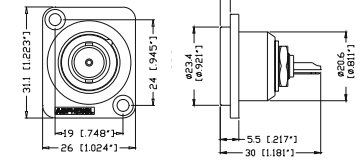

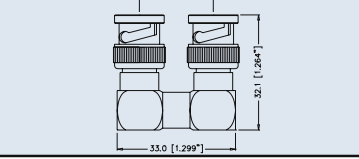




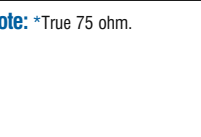

Amphenol manufactures a large range of connectors to suit cables other than those listed below, for example Belden YR23769 and 46899, please contact us to discuss your specific requirements.

The complete Amphenol Connex catalogue featuring a wide range of RF connector products is available on request. Item code CAT-CONNEX-01.


PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	CABLE TYPE RG-/U	INSULATION	CRIMP TOOL	PART NUMBER
		59/ 62/ 140/ 210	Delrin	A	112119
			Teflon	E	112952*
		59/ U-20AWG	Delrin	A	112507
			Teflon	E	112956*
		11/ U-14AWG/ B8213/ B9292/ B7731/ B1859A	Teflon	D	112606
		6/ 143/ 212	Delrin	E	112508
		B1694A/ B9248	Delrin	E	112565
			Teflon	E	112957*
		6 PLENUM/ B1695A	Delrin	E	112519
			Teflon	E	112958*
	B8281/ B9231/ B9141	Delrin	E	112509	
	Teflon	E	112953*		
	B1505A	Teflon	E	112951*	
	B735A1	Teflon	F	112950*	
		179/ 187/ B9221	Delrin	B	112133
		180/ 195/ 122/ B8218/ B1865A/ B1855	Delrin	B	112521
			Teflon	F	112955*

Note: *True 75 ohm.

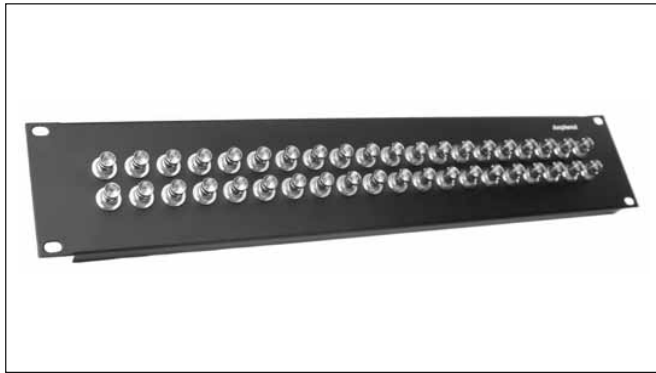


PRODUCT - FIGURE	DRAWING Dimensions in mm (Inches)	DESCRIPTION & CABLE TYPE RG-/U	INSULATION	CRIMP TOOL	PART NUMBER
		Bulkhead Adapter -Isolated Jack to Jack - Straight Bayonet Lock to Bayonet Lock	Teflon	N/A	AC-BNC-JJA-75T*
		Bulkhead Adapter -Isolated Jack to Jack - Straight Push on to Bayonet Lock	Teflon	N/A	AC-BNC-PJA-75T*
		Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Bayonet Lock to Bayonet Lock, Nickel Finish	Teflon	N/A	AC-BNC-JJ-75*
		Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Bayonet Lock to Bayonet Lock, Black Finish	Teflon	N/A	AC-BNC-JJ-75B*
		Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Push on to Bayonet Lock, Nickel Finish	Teflon	N/A	AC-BNC-PJ-75*
		Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Push on to Bayonet Lock, Black Finish	Teflon	N/A	AC-BNC-PJ-75B*
		Bulkhead Receptacle -Isolated, 'D' Shell Housing Jack to Solder Bucket with Ground Tag, Nickel Finish	Nylon	N/A	AC-BNC-JS-75
		Bulkhead Receptacle -Isolated, 'D' Shell Housing Jack to Solder Bucket with Ground Tag, Black Finish	Nylon	N/A	AC-BNC-JS-75B
		U - Link Centre to Centre - 20.6 mm Note: Custom Sizes available please contact factory.	Teflon	N/A	BNC-U-LINK 75*1

BNC 75 RF ACCESSORIES AND TOOLING

PRODUCT - FIGURE	DESCRIPTION	DIE CAVITIES	CABLE TYPE RG-/U	CONNECTOR GUIDE	PART NUMBER
	Crimp tool with Die Set	.255 / .213 / .068	59 / 62	A	47-10070
		.178 / .128 / .068	179 / 187 / 180 / 195	B	47-10150
		.429 / .100 / .080	11	D	47-10090
		.324/.255/.068/.042	6 / 59 / B8281	E	47-10110
		.213/.178 / .068/.042	AT&T 735A, B1855A, B8218	F	47-10120

Note: *True 75 ohm.



Features:

- Amphenol True 75 Ohm Connectors
- Bayonet lock or Push-on types
- Supplied with adhesive strip ID labels

Options:

- 1RU, 20 BNC connectors or 2RU, 40 BNC connectors
- Aluminium in Clear or Black anodised
- Steel in Black powder coat
- Customised versions available on request

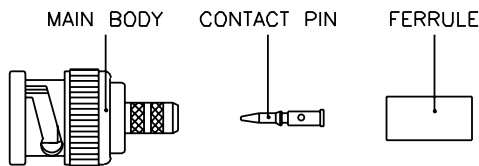
PRODUCT - FIGURE DRAWING	Dimensions in mm (inches)	DESCRIPTION	MATERIAL / FINISH	LOADED WITH <small>(refer to page 84 for specifications)</small>	PART NUMBER
		1RU 1X20 Patch Panel, Supplied with 1 ID label	Steel / Black	Empty Panel	AC-BNC20M
			Steel / Black	AC-BNC-JJA-75	AC-BNC20MJ75
			Steel / Black	AC-BNC-PJA-75	AC-BNC20MP75
			Aluminium / Clear	Empty Panel	AC-BNC20A
			Aluminium / Clear	AC-BNC-JJA-75	AC-BNC20AJ75
			Aluminium / Clear	AC-BNC-PJA-75	AC-BNC20AP75
			Aluminium / Black	Empty Panel	AC-BNC20B
			Aluminium / Black	AC-BNC-JJA-75	AC-BNC20BJ75
			Aluminium / Black	AC-BNC-PJA-75	AC-BNC20BP75
			2RU 2X20 Patch Panel, Supplied with 2 ID labels	Steel / Black	Empty Panel
			Steel / Black	AC-BNC-JJA-75	AC-BNC40MJ75
			Steel / Black	AC-BNC-PJA-75	AC-BNC40MP75
			Aluminium / Clear	Empty Panel	AC-BNC40A
			Aluminium / Clear	AC-BNC-JJA-75	AC-BNC40AJ75
			Aluminium / Clear	AC-BNC-PJA-75	AC-BNC40AP75
			Aluminium / Black	Empty Panel	AC-BNC40B
			Aluminium / Black	AC-BNC-JJA-75	AC-BNC40BJ75
			Aluminium / Black	AC-BNC-PJA-75	AC-BNC40BP75
		Panel ID label	Plastic	Not Applicable	AC-BNC-LABEL



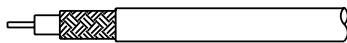
BNC 75 RF ASSEMBLY INSTRUCTIONS

ASSEMBLY A

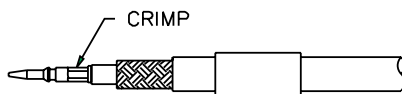
STEP 1



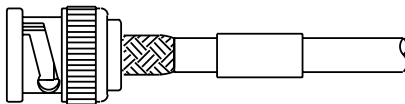
STEP 2



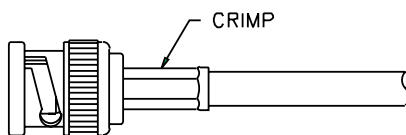
STEP 3



STEP 4



STEP 5



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalogue.

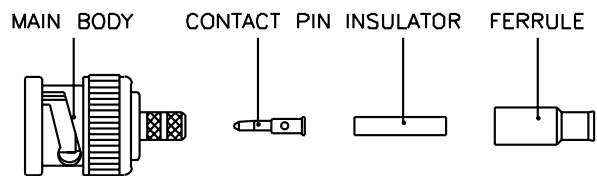
STEP 3. Insert inner conductor into the CONTACT PIN, crimp it with the crimp tool as shown. Then slide the FERRULE onto cable.

STEP 4. Insert the MAIN BODY into braid and dielectric.

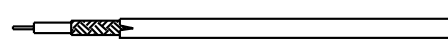
STEP 5. Slide the FERRULE over braid, crimp it with the crimp tool as shown.

ASSEMBLY B

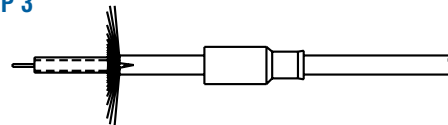
STEP 1



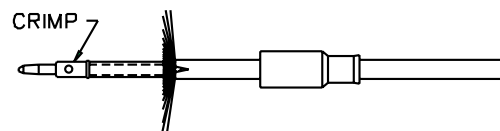
STEP 2



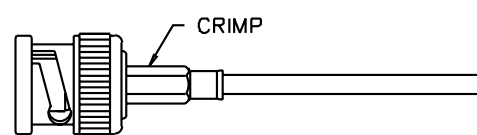
STEP 3



STEP 4



STEP 5



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalogue.

STEP 3. Slide the FERRULE on to cable, then fold back braid wire and slide the INSULATOR on to dielectric as shown.

STEP 4. Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.

STEP 5. Push cable and parts into the MAIN BODY until it stops. Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.



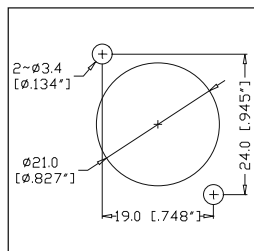
STANDARD DATA BNC 75 RF CONNECTORS

		VALUE	
GENERAL CHARACTERISTICS	Mating	Bayonet Lock	
	Cable Attachment	Crimp - Crimp	
	Environmental	Complies with RoHS Directive 2002/95/EC	
ELECTRICAL CHARACTERISTICS	Impedance	75Ω	
	Frequency Range - Standard	0 - 1 GHz	
	- True 75 Ohm	0 - 4 GHz	
	Voltage Rating	500V RMS	
	Dielectric withstanding voltage	1500 Volts RMS	
	VSWR - Standard	1.05+0.1f(GHz) DC to 1 GHz	
	- True 75 Ohm	1.5+0.1f(GHz) DC to 4 GHz	
	Contact Resistance		
	Centre Contact	1.5 milliohm	
Outer Contact	1.0 milliohm		
Insulation Resistance	5000 MΩΩ (min.)		
MATERIALS	Part	Material	Finish
	Body, Coupling sleeves	Brass	Nickel
	Crimp Ferrule	Annealed Copper	Nickel
	Male Contact	Brass	Gold
	Female Contact	Beryllium Copper or Phosphor Bronze	Gold
	XLR Housing	Diecast Zinc Alloy	Satin Nickel or Black Polyester
	Insulators	Teflon or Delrin	Natural

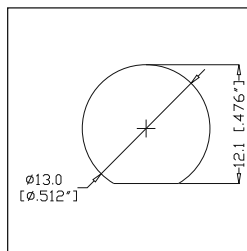
NOTE: These characteristics are typical and may not apply to all connectors.

PANEL CUTOUTS - FRONT VIEW

AC-BNC-PJ-75
AC-BNC-JJ-75



AC-BNC-PJA-75
AC-BNC-JJA-75



Rev 3 - 10/2010





1/4" PHONE PLUGS

Amphenol offers two ranges of 1/4" Phone plug connectors to satisfy the needs of the manufacturer and the end user. The PRO – a heavy duty on-road plug and the MUSICIAN - a solid performing general use plug. Both series offer different features and benefits and the most suitable type will be determined by application, budget and personal choice.

Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – PRO RANGE 1/4" Phone Plug T-Series.

- Mono or Stereo (TRS)
- Switching Plugs
- Stylised shell design with Ergonomic grip
- Nickel or Gold contact plating
- Straight or Right Angle
- Keyed Shell
- Optional heavy duty metal backshell / boot
- Great solderability
- Increased solder area on ground contact
- "Jaws" Cable Clamp
- Precision machined contacts
- Coloured Grommet
- JUMBO Series Plugs

Features / Options – MUSICIAN RANGE 1/4" Phone Plug

- Mono or Stereo (TRS)
- Compact Shell
- Straight or Right angle
- Stylish shell design
- Flexible grommet cable protection
- Nickel or Gold contact plating
- Satin Nickel or Black finish
- Diecast shell
- Coloured Grommet

Jaws Cable Clamp Options for T-Series*



Standard Jaws cable clamp (Black), Cable O.D 3mm to 6mm (0.118" to 0.236")



Large Jaws cable clamp (Purple), Cable O.D 6mm to 7.5mm (0.236" to 0.295")

*Note: Applicable to T-Series straight cable connectors only. Refer to page 95 for right angle connector Jaws cable clamp specifications.

Musician Range Cable Clamp Options



M-Series, Cable O.D 3mm to 6.5mm (0.118" to 0.256")



M-Series II, Cable O.D 3mm to 8mm (0.118" to 0.315")

Ordering Codes

We have listed the more common ordering codes in each section. 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.



Amphenol



1/4" PHONE PLUGS

T-SERIES (PRO RANGE)



Features:


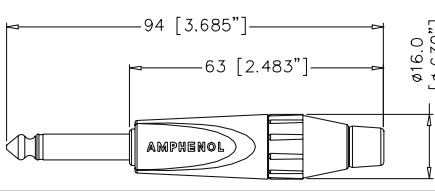

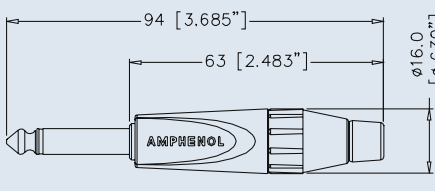

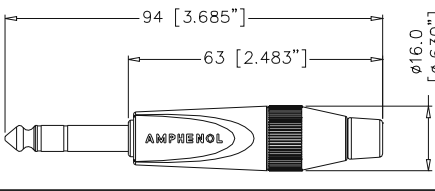

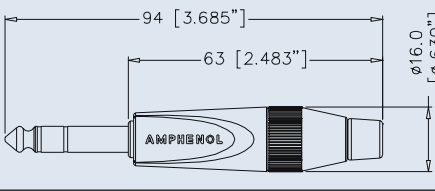

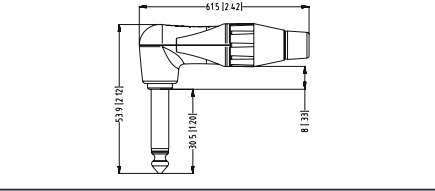

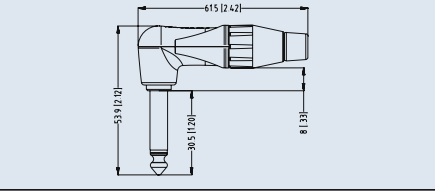

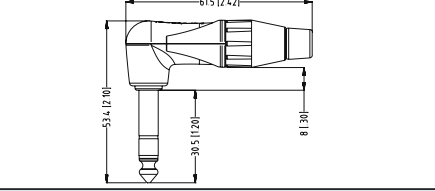

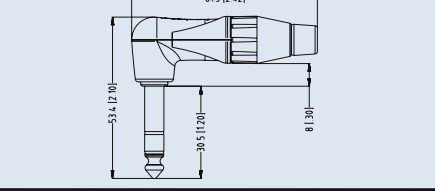
- Mono or Stereo (TRS).
- Stylised shell design with Ergonomic grip.
- Straight or Right Angle.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Keyed shell.
- Optional heavy duty metal backshell / boot.
- Great solderability.
- Increased solder area on ground contact.
- "Jaws" Cable Clamp.
- Precision machined contacts.
- Quick and easy assembly.

Options: Gold Contacts, Large or Small Jaws Cable Clamp, Black Shell, Metal Backshell / Boot, Bulk Pack. Coloured grommets (ordered separately)

Part Number Breakdown: Page 94 Specifications: Page 95

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM2P TM2P-AU TM2PJ TM2P BULK
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM2PB TM2PB-AU TM2PBJ TM2PB BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TS3P TS3P-AU TS3PJ TS3P BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TS3PB TS3PB-AU TS3PBJ TS3PB BULK



PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM2PN TM2PN-AU TM2PNJ TM2PN BULK
		1/4" (6.35mm \varnothing) Mono Phone plug, Jaws cable clamp, Metal backshell, Black finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM2PBM TM2PBM-AU TM2PBMJ TM2PBM BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TS3PN TS3PN-AU TS3PNJ TS3PN BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TS3PBM TS3PBM-AU TS3PBMJ TS3PBM BULK
		1/4" (6.35mm \varnothing) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Satin finish.	Standard Gold Plated Contacts Small Cable Clamp Bulk Pack	TM2RJ TM2RJ-AU TM2R TM2RJ BULK
		1/4" (6.35mm \varnothing) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Black finish.	Standard Gold Plated Contacts Small Cable Clamp Bulk Pack	TM2RBJ TM2RBJ-AU TM2RB TM2RBJ BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Satin finish.	Standard Gold Plated Contacts Small Cable Clamp Bulk Pack	TS3RJ TS3RJ-AU TS3R TS3RJ BULK
		1/4" (6.35mm \varnothing) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Black finish.	Standard Gold Plated Contacts Small Cable Clamp Bulk Pack	TS3RBJ TS3RBJ-AU TS3RB TS3RBJ BULK

*NOTE: Refer to page 95 for Jaws cable clamp specifications applicable to right angle connectors.

Amphenol



SwitchPlug



1/4" PHONE PLUGS

T-SERIES (PRO RANGE)



The Amphenol T series SwitchPlug uses a unique 360 degree precision sliding ring contact design to quietly and accurately switch the signal circuit safely to ground during instrument changes under load, thereby avoiding annoying thumps, pops and squeals. The sliding ring contact self-cleans every time the plug is connected preventing excessive build up of oxidation and contamination. Activation is directly off the panels' full front face assuring a positive reference point every time, and as it works instantaneously on the main circuits there is no need for the use of magnets or other elaborate switching mechanisms.

WARNING!
For use with
instrument (guitar)
applications only.

Part Number Breakdown: Page 94
Specifications: Page 95

Patent Pending

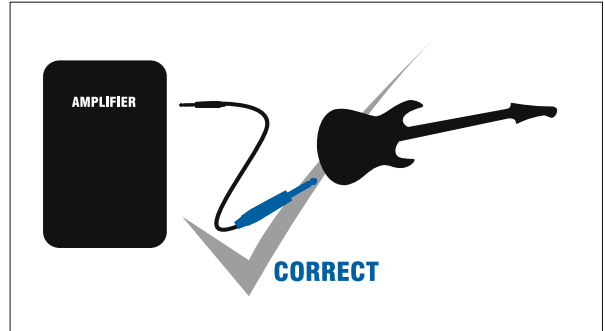
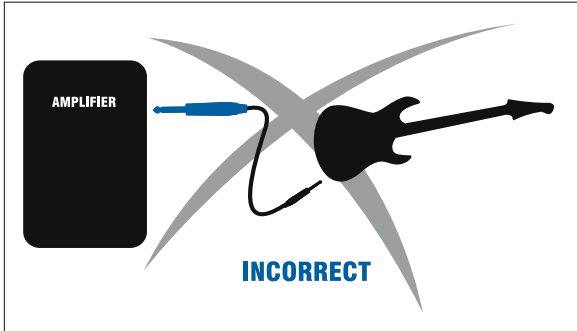
PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Switch Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish.	Standard	TM1P
			Gold Plated Contacts	TM1P-AU
			Large Cable Clamp	TM1PJ
			Bulk Pack	TM1P BULK
		1/4" (6.35mmø) Switch Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish.	Standard	TM1PB
			Gold Plated Contacts	TM1PB-AU
			Large Cable Clamp	TM1PBJ
			Bulk Pack	TM1PB BULK
		1/4" (6.35mmø) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Satin Finish.	Standard	TM1RJ*
			Gold Plated Contacts	TM1RJ-AU*
			Bulk Pack	TM1RJ BULK*
		1/4" (6.35mmø) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Black Finish.	Standard	TM1RBJ*
			Gold Plated Contacts	TM1RBJ-AU*
			Bulk Pack	TM1RBJ BULK*

*NOTE: Refer to page 95 for Jaws cable clamp specifications applicable to right angle connectors.

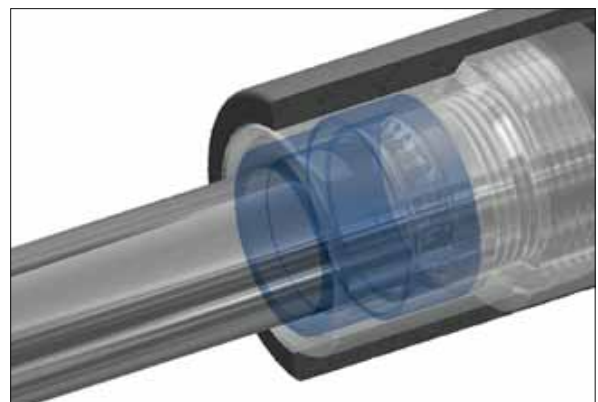
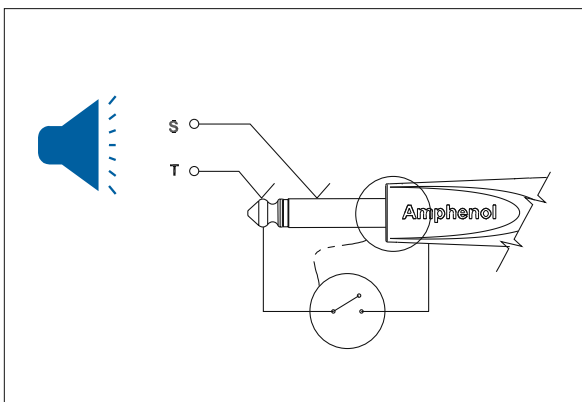
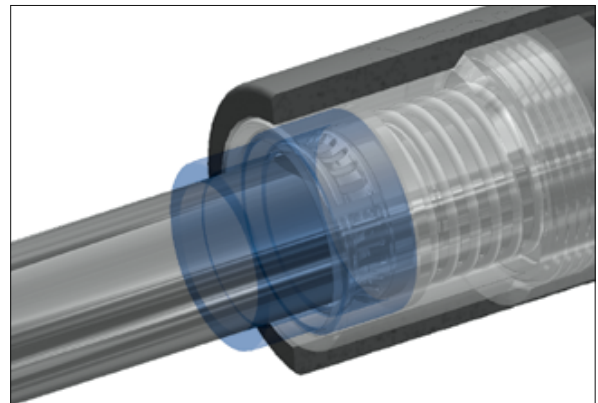
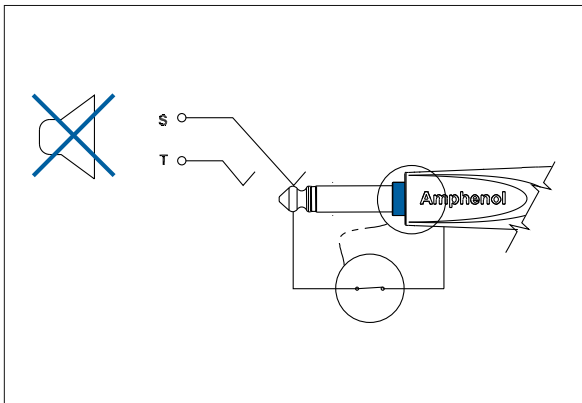


SwitchPlug - User Instruction

 **CAUTION!** Use with instrument (guitar) cables only. **DO NOT** connect to amplifier output. Equipment damage may result from incorrect use.



SwitchPlug - Technology*



*Patent Pending



Amphenol

1/4" PHONE PLUGS

JUMBO T-SERIES (PRO RANGE)



Features:

- JUMBO Cable clamping capacity
- Suits Cable OD 7.5mm (0.295") to 10.5mm (0.413")
- Mono or Stereo (TRS).
- Stylised shell design with Ergonomic grip.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Keyed shell.
- Great solderability.
- Increased solder area on ground contact.
- Precision machined contacts.
- Quick and easy assembly.

Options: Gold Contacts, Bulk Pack.

Specifications: Page 95

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mm \varnothing) JUMBO Mono Phone plug, Thermoplastic backshell, Satin finish.	Standard	JM2P
			Gold Plated Contacts	JM2P-AU
			Bulk Pack	JM2P BULK
		1/4" (6.35mm \varnothing) JUMBO Mono Phone plug, Thermoplastic backshell, Black finish.	Standard	JM2PB
			Gold Plated Contacts	JM2PB-AU
			Bulk Pack	JM2PB BULK
		1/4" (6.35mm \varnothing) JUMBO Stereo Phone plug, Thermoplastic backshell, Satin finish.	Standard	JS3P
			Gold Plated Contacts	JS3P-AU
			Bulk Pack	JS3P BULK
		1/4" (6.35mm \varnothing) JUMBO Stereo Phone plug, Thermoplastic backshell, Black finish.	Standard	JS3PB
			Gold Plated Contacts	JS3PB-AU
			Bulk Pack	JS3P BULK

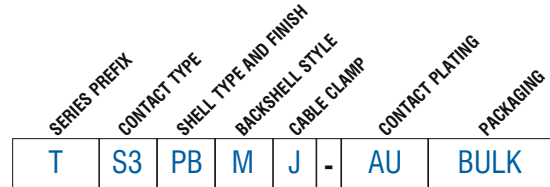
NOTE: Contact factory for availability of metal backshells.



PART NUMBER BREAKDOWN

T-SERIES (PRO RANGE)

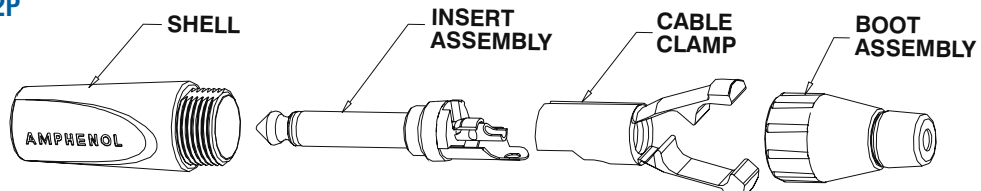
E. G. **TS3PBMJ-AU BULK**
T (Series Prefix), **S3** (Stereo), **Plug Black**, **Metal Nut (Black)**, **J** (Large Jaws),
 - **AU** (Gold Plated Contacts), **Bulk** Packaged.



SERIES PREFIX	T	=	Series Prefix
CONTACT TYPE	M1	=	Switch Plug
	M2	=	2 Pole (mono)
	S3	=	3 Pole, tip/ring/sleeve (stereo)
SHELL TYPE AND FINISH	P	=	Plug Satin Nickel
	PB	=	Plug Matt Black
	R	=	Right Angle Plug Satin Nickel
	RB	=	Right Angle Plug Matt Black
BACKSHELL TYPE	Blank	=	Plastic Nut
	M	=	Metal Nut - Black
	N	=	Metal Nut - Satin Nickel
CABLE CLAMP	Blank	=	Small Jaws
	J	=	Large Jaws
CONTACT PLATING	Blank	=	Nickel Plated Contacts (Standard)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



ISO VIEW OF TM2P



1/4" PHONE PLUG TECHNICAL DATA

		VALUE		
		Straight	Right Angle	Jumbo
GENERAL CHARACTERISTICS	Number of Contacts	3 Pole Tip Ring Sleeve (Stereo)		
	Termination	Solder		
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16 - 1.5mm ² 3 Pole (Stereo): AWG 18 - 1mm ²		
	Flammability rating of insulating plastics	UL94V-0		
	Solderability, complies with	IEC 68-2-20		
	Environmental	Complies with RoHS Directive 2002/95/EC		
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)		
	Typical Contact Resistance	Depends on Mating Connector		
	Insulation resistance (initial)	>2GΩ		
	After Damp Heat Test	≥1GΩ		
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV dc		
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 ¹⁾ - Thermoplastic Backshell	28g (0.061lb)		
	Weight ¹⁾ - Metal Backshell	35g (0.077lb)		
	Typical Cable Retention Force	22kg to 44kg (50lb to 100lb) - Dependent on cable material and diameter.		
	Cable O.D. - Standard Jaw	3mm to 6mm (0.118" to 0.236")	3mm to 5.5mm (0.118" to 0.216")	NA
	Cable O.D. - Large Jaw	6mm to 7.5mm (0.236" to 0.295")	5.5mm to 6.5mm (0.216" to 0.255")	NA
	Cable O.D. - Jumbo	NA	NA	7.5mm to 10.5mm (0.295" to 0.413")
	Mechanical Operations	1000		
MATERIALS	Connector Shell Material	Diecast Zinc Alloy EZDA No.3		
	Shell Finish	Satin Nickel or Black Polyester		
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin - Black		
	Boot / Backshell	UL94 V-0 PBT Resin or Modified PPE Resin - Black or Metal CuZn ³⁹ Pb ³		
	Cable Clamp	UL94 V-0 PBT Modified PPO Resin - Black		
	Cable Bushing	Santoprene		
	Contacts / Plating	Brass /Ni or Au over 2μm Ni		

Rev 4 - 12/2010

¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.





Features:


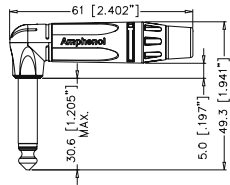

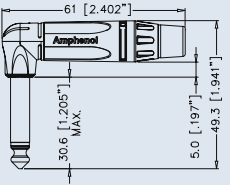

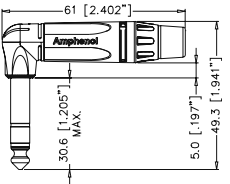

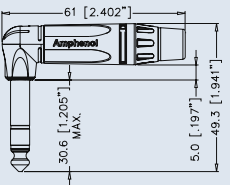
- Mono or Stereo (TRS).
- AX Series inspired shell design.
- Large cable O.D. Entry to 8mm (0.315")
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.

Options: Black Shell, Gold contacts. Coloured grommets (ordered separately)

Specifications: Page 109

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-KN
				Gold Plated Contacts	ACPM-KN-AU
				Bulk Pack	ACPM-KN BULK
			1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-KB
				Gold Plated Contacts	ACPM-KB-AU
				Bulk Pack	ACPM-KB BULK
			1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-KN
				Gold Plated Contacts	ACPS-KN-AU
				Bulk Pack	ACPS-KN BULK
			1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-KB
				Gold Plated Contacts	ACPS-KB-AU
				Bulk Pack	ACPS-KB BULK



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-TN
				Gold contacts	ACPM-TN-AU
				Bulk Pack	ACPM-TN BULK
			1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-TB
				Gold contacts	ACPM-TB-AU
				Bulk Pack	ACPM-TB BULK
			1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-TN
				Gold contacts	ACPS-TN-AU
				Bulk Pack	ACPS-TN BULK
			1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-TB
				Gold contacts	ACPS-TB-AU
				Bulk Pack	ACPS-TB BULK





Features:


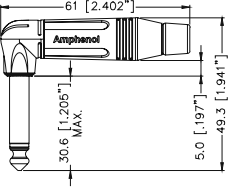

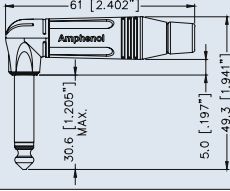

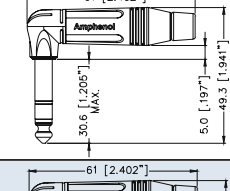

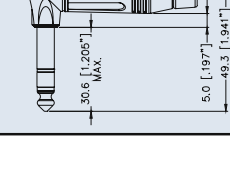
- Mono or Stereo (TRS).
- Stylish shell design.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.
- Cable OD Entry to 6.5mm (0.256")

Options: Black Shell, Gold contacts. Coloured grommets (ordered separately)

Specifications: Page 109

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-GN
				Gold Plated Contacts	ACPM-GN-AU
				Bulk Pack	ACPM-GN BULK
			1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-GB
				Gold Plated Contacts	ACPM-GB-AU
				Bulk Pack	ACPM-GB BULK
			1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-GN
				Gold Plated Contacts	ACPS-GN-AU
				Bulk Pack	ACPS-GN BULK
			1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-GB
				Gold Plated Contacts	ACPS-GB-AU
				Bulk Pack	ACPS-GB BULK



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-RN
				Gold contacts	ACPM-RN-AU
				Bulk Pack	ACPM-RN BULK
			1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-RB
				Gold contacts	ACPM-RB-AU
				Bulk Pack	ACPM-RB BULK
			1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-RN
				Gold contacts	ACPS-RN-AU
				Bulk Pack	ACPS-RN BULK
			1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-RB
				Gold contacts	ACPS-RB-AU
				Bulk Pack	ACPS-RB BULK

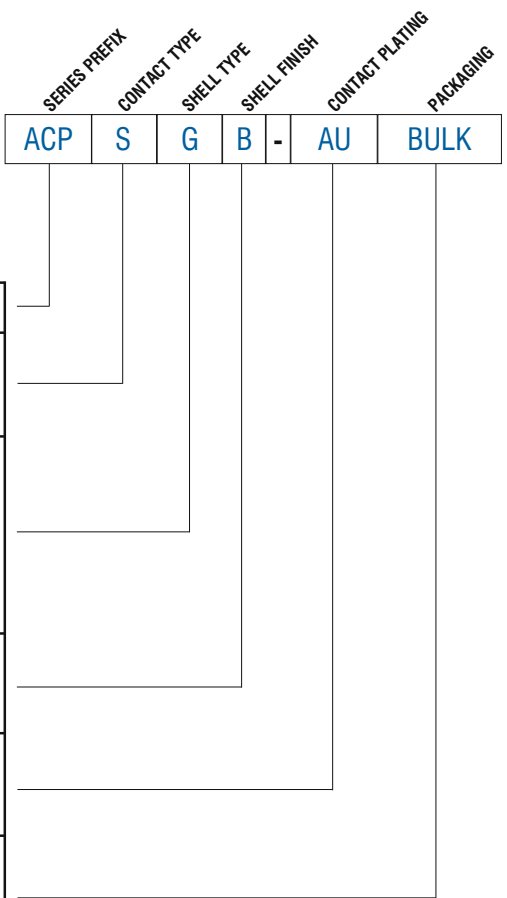


PART NUMBER BREAKDOWN

M / M SERIES II (MUSICIAN RANGE)

E. G . **ACPM-GB-AU BULK**
ACP (Series Prefix), **M**ale, **G**(Shell Type), **B**lack,
 - **AU** (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	ACP = Series Prefix
CONTACT TYPE	M = 2 pole (Mono)
	S = 3 pole Tip/Ring/Sleeve (Stereo)
SHELL TYPE	G = M Series Straight
	K = M Series II Straight
	R = M Series Right Angle
	T = M Series II Right Angle
SHELL FINISH	N = Satin Nickel
	B = Matt Black
CONTACT PLATING	Blank = Nickel Plating
	AU = Gold Plated
PACKAGING	Blank = Individual Bags
	BULK = Bulk Packed





1/4" PHONE JACK CONNECTORS

Amphenol phone connectors are available in 1/4" (6.35mm) and 3.5mm jack sockets or dual jack socket versions featuring combinations of both sizes. The standard heavy duty contacts provide excellent signal performance and the rugged designs excel in professional audio applications.

Our wide range of options ensures we have the connector to suit your specific requirements. Custom jacks can also be developed to suit unique applications on request.

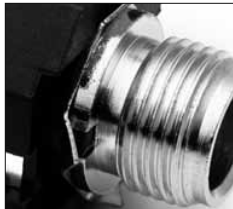
Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – OEM RANGE Phone Jack

- Mono or Stereo (TRS)
- Stackable (Piggy back) mounting
- Vertical or horizontal PCB mount
- Mono and Stereo switched contacts
- Solder contacts
- Combo Contacts
- Metal nut
- Plastic Nut
- 1/4" (6.35mm)
- 3.5mm
- Dual 1/4" (6.35mm) and 3.5mm
- EMI Shielding plates
- Metal Mounting threads
- Plastic Mounting threads
- Chassis Ground connections
- Half, Full or No threads
- Grounded or Isolated Jacks

1/4" Phone Jack Grounding/ Shielding Options



1/4" Gripper - Grounding points



1/4" Shielding Plate

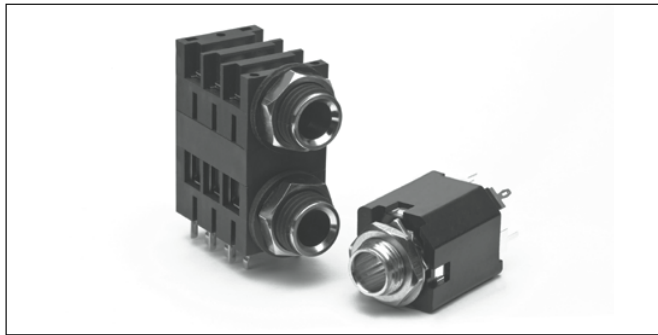
Ordering Codes

We have listed the more common ordering codes in each section. 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:

- 3.5mm and 6.35mm (1/4") options
- Mono or Stereo (TRS)
- Single or Dual mounting
- Vertical or Horizontal PCB mount
- Mono and Stereo with switching contacts
- Solder or Combo contacts
- Various mounting option

Schematic Chart: Pages 107









Panel Cutouts: Pages 106

PCB Footprints: Pages 108

Specifications: Pages 109

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
3.5MM PHONE JACKS					
			3.5mm Jack, Horizontal PCB, Plastic housing, Metal entry bore	Mono	ACJM-NH35
				Stereo	ACJS-NH35
			3.5mm Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal entry bore	Refer to Schematic Chart on Page 107	ACJM-NV35-2 ACJM-NV35-2S ACJS-NV35-3 ACJS-NV35-3S ACJS-NV35-5
			3.5mm Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal thread and entry bore	Refer to Schematic Chart on Page 107	ACJM-MV35-2 ACJM-MV35-2S ACJS-MV35-3 ACJS-MV35-3S ACJS-MV35-5
			3.5mm / 1/4" (6.35mm) Dual Phone Jack, (Piggyback), Horizontal PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHD985
				Stereo	ACJS-MHD985
			3.5mm / 1/4" (6.35mm) Dual Phone Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal nut and entry bore	Refer to Schematic Chart on Page 107	ACJM-MVD985-2 ACJM-MVD985-2S ACJS-MVD985-3 ACJS-MVD985-3S ACJS-MVD985-5
1/4" PHONE JACKS HORIZONTAL					
			1/4" (6.35mm) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Half thread, Metal entry bore. Supplied without mounting hardware.	Mono	ACJM-HHDR
				Stereo	ACJS-HHDR



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDR
				Stereo	ACJS-MHDR
			1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore	Mono	ACJM-MHDRM
				Stereo	ACJS-MHDRM
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with Half thread. Supplied without mounting hardware.	Refer to Schematic Chart on Page 107	ACJM-HHOP
					ACJS-HHOP
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with Half thread. Supplied without mounting hardware.	Refer to Schematic Chart on Page 107	ACJM-HHOP-1
					ACJS-HHOP-1
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, thread and entry bore	Mono - Plastic Nut	ACJM-PHOP
				Mono - Metal Nut	ACJM-MHOP
				Stereo - Plastic Nut	ACJS-PHOP
				Stereo - Metal Nut	ACJS-MHOP
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, thread and entry bore. Non-switching sleeve contact with separate grounding to panel.	Refer to Schematic Chart on Page 107	ACJM-PHOP-1
					ACJM-MHOP-1
				PHOP - Denotes Plastic Nut	ACJS-PHOP-1
				MHOP - Denotes Metal Nut	ACJS-MHOP-1
			1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, Metal thread and entry bore with Chassis ground connection	Mono - Metal Nut	ACJM-MHOM
				Stereo - Metal Nut	ACJS-MHOM
			1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing with metal insert	Mono - Plastic Nut	ACJM - PH
				Mono - Metal Nut	ACJM - MH




PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		8.0 [.315"] 24.8 [.976"] 15.3 [.602"] 20.0 [.787"] 4.00 [.157"] TYP	1/4" (6.35mm \varnothing) Jack, Horizontal PCB mount, Plastic housing with metal insert	Stereo - Plastic Nut	ACJS - PH
				Stereo - Metal Nut	ACJS - MH
		8.0 [.315"] 24.8 [.976"] 15.3 [.602"] 20.0 [.787"] 4.00 [.157"] TYP	1/4" (6.35mm \varnothing) Jack, Horizontal Snap-fit PCB mount, Plastic housing with metal insert	Mono - Plastic Nut	ACJM-PHR
				Mono - Metal Nut	ACJM-MHR
				Stereo - Plastic Nut	ACJS-PHR
				Stereo - Metal Nut	ACJS-MHR
		8.0 [.315"] 24.8 [.976"] 15.3 [.602"] 20.0 [.787"] 8.50 [.335"] TYP	1/4" (6.35mm \varnothing) Jack, Combination Horizontal PCB and Solder lug, Plastic housing with metal insert	Mono - Plastic Nut	ACJM-PC
				Mono - Metal Nut	ACJM-MC
				Stereo - Plastic Nut	ACJS-PC
				Stereo - Metal Nut	ACJS-MC
		8.0 [.315"] 24.8 [.976"] 15.3 [.602"] 20.0 [.787"] 7.50 [.295"] TYP	1/4" (6.35mm \varnothing) Jack, Solder Lug, Plastic housing with metal insert	Mono - Plastic Nut	ACJM-PHS
				Mono - Metal Nut	ACJM-MHS
				Stereo - Plastic Nut	ACJS-PHS
				Stereo - Metal Nut	ACJS-MHS
		8.0 [.315"] 11.00 [.433"] 20.00 [.787"] 32.10 [1.264"] 8.5 [.335"] 15.50 [.610"] 4.0 [.157"] TYP	1/4" (6.35mm \varnothing) Jack, Solder Lug, Plastic housing and Bezel with threaded Metal nut.	Mono	ACJM-IHS
				Stereo	ACJS-IHS
		8.0 [.315"] 33.5 [1.317"] 8.5 [.335"] 15.5 [.610"] 20.0 [.787"] 4.00 [.157"] TYP	1/4" (6.35mm \varnothing) Jack, Horizontal PCB mount, Plastic housing and Bezel with threaded Metal nut.	Mono	ACJM-IH
				Stereo	ACJS-IH
1/4" PHONE JACKS HORIZONTAL DUAL			1/4" (6.35mm \varnothing) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDC*
		9.1 [.358"] 33.5 [1.319"] 29.3 [1.152"] 14.25 [.561"] 23.05 [.907"] 16.0 [.630"] 4.50 [.177"] TYP		Stereo	ACJS-MHDC*
					8.0 [.315"] 33.0 [1.299"] 29.3 [1.152"] 16.35 [.644"] 23.05 [.907"] 16.0 [.630"] 4.50 [.177"] TYP
Stereo	ACJS-MHDCM				

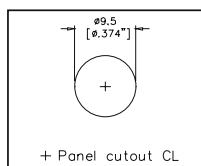


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Dual Phone Jack (Piggyback) Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHD*
				Stereo	ACJS-MHD*
			1/4" (6.35mmø) Dual Phone Jack (Piggyback) Shielding plate, Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDE*
				Stereo	ACJS-MHDE*
			1/4" (6.35mmø) Dual Phone Jack (Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore	Mono	ACJM-MHDM*
				Stereo	ACJS-MHDM*
			1/4" (6.35mmø) Dual Phone Jack (Piggyback), Shielding plate Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Mono	ACJM-MHDEM*
				Stereo	ACJS-MHDEM*
1/4" PHONE JACKS VERTICAL					
			1/4" (6.35mmø) Jack, Vertical PCB mount, Plastic housing, nut and entry bore	Refer to Schematic Chart on Page 107	ACJM-PVB-2 ACJM-PVB-2S ACJS-PVB-3 ACJS-PVB-3S ACJS-PVB-5
			1/4" (6.35mmø) Jack, Vertical PCB mount, Needle eye contacts, Plastic thread, Metal nut and insert	Refer to Schematic Chart on Page 107	ACJM-MIV-2 ACJM-MIV-2S ACJS-MIV-3 ACJS-MIV-3S ACJS-MIV-5
			1/4" (6.35mmø) Jack, Vertical PCB mount, Needle eye contacts, Star washer, Metal nut and insert	Refer to Schematic Chart on Page 107	ACJM-MN-2 ACJS-MN-3 ACJM-MN-2S ACJS-MN-3S ACJS-MN-5
			1/4" (6.35mmø) Jack, Vertical PCB mount, Metal nut and insert	Refer to Schematic Chart on Page 107	ACJM-MV-2 ACJM-MV-2S ACJS-MV-3 ACJS-MV-3S ACJS-MV-5

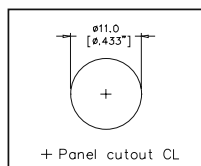


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Jack, Solder Lug, Metal nut and insert	Refer to Schematic Chart on Page 107	ACJM-MVS-2 ACJM-MVS-2S ACJS-MVS-3 ACJS-MVS-3S ACJS-MVS-5

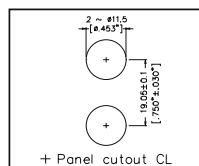
PANEL CUTOUTS -FRONT VIEW



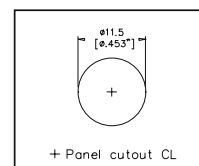
ACJM-MV
ACJS-MV
ACJM-MN-2
ACJS-MN-3
ACJM-MN-2S
ACJS-MN-3S
ACJM-MN-5
ACJS-MN-5S
ACJM-MIV
ACJS-MIV
ACJM-MVS
ACJS-MVS



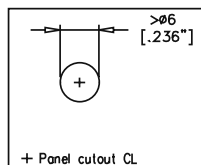
ACJM/S-PH
ACJM/S-MH
ACJM/S-PC
ACJM/S-MC
ACJM/S-PHR
ACJM/S-MHR
ACJM/S-PHS
ACJM/S-MHS



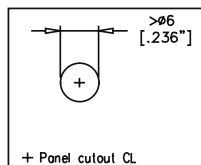
ACJM-MHD
ACJS-MHD
ACJM-MHDE
ACJS-MHDE



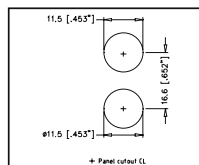
ACJM-MHDR
ACJS-MHDR
ACJM-MHDE
ACJS-MHDE



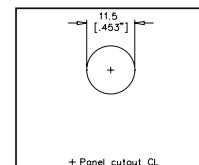
ACJM-NH35
ACJS-NH35



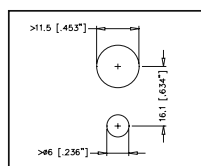
ACJM-NV35-2
ACJM-NV35-2S
ACJS-NV-35-3
ACJS-NV-35-3S
ACJS-NV-35-5
ACJM-MV35-2
ACJM-MV35-2S
ACJS-MV-35-3
ACJS-MV-35-3S
ACJS-MV-35-5



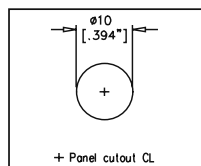
ACJS-MHDC
ACJM-MHDC



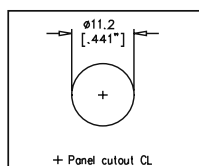
ACJS-IH
ACJM-IH
ACJS-IHS
ACJM-IHS



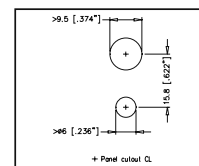
ACJS-MHD985
ACJM-MHD985



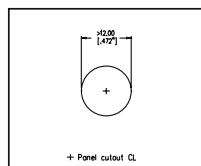
ACJM-MHOM
ACJM-MHOM



ACJS-MHOP
ACJS-MHOP
ACJM-MHOP
ACJM-MHOP
ACJS-MHOP-1
ACJM-MHOP-1
ACJS-MHOP-1
ACJM-MHOP-1
ACJS-MHOP-1
ACJM-MHOP-1
ACJS-MHOP-1
ACJM-MHOP-1



ACJS-MVD985
ACJM-MVD985



ACJM-PVB-2
ACJM-PVB-2S
ACJS-PVB-3
ACJS-PVB-3S
ACJM-PVB-5

SCHEMATIC CHART

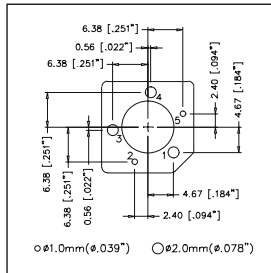
PART NO.	ACJM-MV35-2 ACJM-MN-2 ACJM-NV35-2 ACJM-PVB-2 ACJM-MV-2 ACJM-MVS-2 ACJM-MIV-2	ACJM-MV35-2S ACJM-MN-2S ACJM-NV35-2S ACJM-PVB-2S ACJM-MV-2S ACJM-MVS-2S ACJM-MIV-2S	ACJS-MV35-3 ACJS-MN-3 ACJS-NV35-3 ACJS-PVB-3 ACJS-MV-3 ACJS-MVS-3 ACJS-MIV-3	ACJS-MV35-3S ACJS-MN-3S ACJS-NV35-3S ACJS-PVB-3S ACJS-MV-3S ACJS-MVS-3S ACJS-MIV-3S	ACJS-MV35-5 ACJS-MN-5 ACJS-NV35-5 ACJS-PVB-5 ACJS-MV-5 ACJS-MVS-5 ACJS-MIV-5
GENERAL SCHEMATIC					

PART NO.	ACJM-MVD985-2	ACJM-MVD985-2S	ACJS-MVD985-3	ACJS-MVD985-3S	ACJS-MVD985-5
SCHEMATIC					

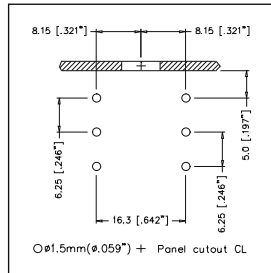
PART NO.	ACJM-HHOP-1 ACJM-PHOP-1 ACJM-MHOP-1	ACJS-HHOP-1 ACJS-PHOP-1 ACJS-MHOP-1	ACJM-HHOP ACJM-PHOP CJM-MHOP	ACJS-HHOP ACJS-PHOP ACJS-MHOP
GENERAL SCHEMATIC				



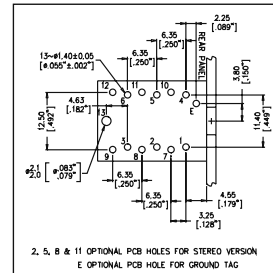
PCB FOOTPRINT - CONNECTOR SIDE OF PCB



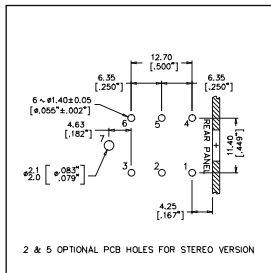
ACJM-MV
 ACJS-MV
 ACJM-MN-2
 ACJS-MN-2
 ACJM-MN-3
 ACJS-MN-3
 ACJM-MN-5
 ACJS-MN-5
 ACJM-NV35-XX
 ACJS-NV35-XX
 ACJM-MIV-2
 ACJS-MIV-2
 ACJM-MIV-3
 ACJS-MIV-3
 ACJM-MIV-5
 ACJS-MIV-5



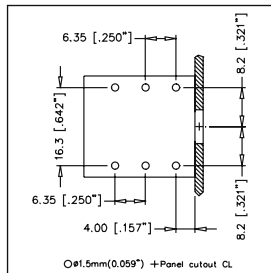
ACJM-PH
 ACJS-PH
 ACJM-MH
 ACJS-MH
 ACJM-PC
 ACJS-PC
 ACJM-MC
 ACJS-MC



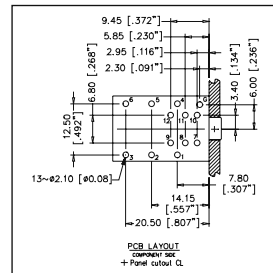
ACJM-MHD
 ACJS-MHD
 ACJM-MHDE
 ACJS-MHDE
 ACJM-MHDEM
 ACJS-MHDEM
 ACJM-MHDC
 ACJS-MHDC
 ACJM-MHDCM
 ACJS-MHDCM
 ACJM-MHDM
 ACJS-MHDM



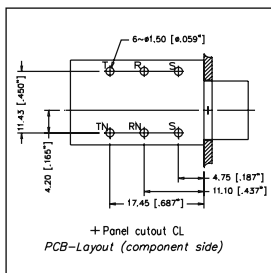
ACJM-MHDR
 ACJS-MHDR
 ACJM-PHR
 ACJS-PHR
 ACJM-MHR
 ACJS-MHR
 ACJM-HHDR
 ACJS-HHDR
 ACJM-MHDRM
 ACJS-MHDRM



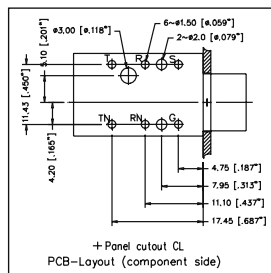
ACJS-IH
 ACJM-IH



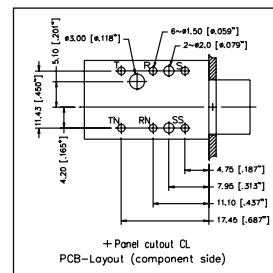
ACJS-MHD985
 ACJM-MHD985



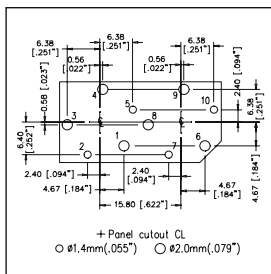
ACJS-MHOM
 ACJM-MHOM



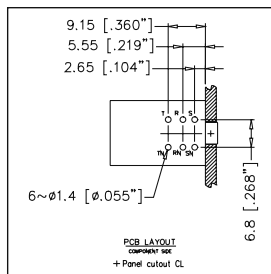
ACJS-MHOP-1
 ACJM-MHOP-1
 ACJS-PHOP-1
 ACJM-PHOP-1
 ACJS-HHOP-1
 ACJM-HHOP-1



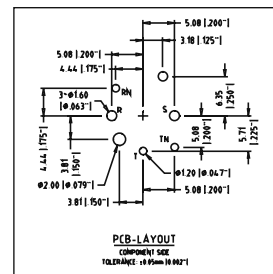
ACJS-MHOP
 ACJM-MHOP
 ACJS-PHOP
 ACJM-PHOP
 ACJS-HHOP
 ACJM-HHOP



ACJS-MVD985
 ACJM-MVD985



ACJS-NH35
 ACJM-NH35



ACJM-PVB-2
 ACJS-PVB-2
 ACJM-PVB-3
 ACJS-PVB-3
 ACJM-PVB-5
 ACJS-PVB-5



PLUG AND JACKS TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder, PCB or Combo
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16 - 1.5mm ² 3 Pole (Stereo): AWG 18 - 1mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with RoHS Directive 2002/95/EC
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)
	Typical Contact Resistance	Depends on Mating Connector
	Insulation resistance (initial)	>2GΩ
	After Damp Heat Test	≥1GΩ
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV dc
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
	Cable O.D. (Plugs)	6mm (0.236")
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3
	Connector Shell Material (Jacks)	UL94 V-0 PBT Modified PPO Resin - Black
	Connector Shell Finish	Satin Nickel, Nickel or Black Polyester
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin and fibreglass laminate
	Cable Bushing	Santoprene
	Contacts / Plating (Plugs) Contacts / Plating (Jacks)	Brass / Ni over Cu (Copper) Brass / Sn (Tin) over Cu (Copper)

Rev 2 - 12/2009

¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.





PLUGS AND SOCKETS

Amphenol's plugs and sockets range continually expands to meet the needs of our customers. The success of the M-Series phone plugs led to the RCA series being developed. The Miniature XLR range was a natural progression from our standard XLR series as demand for smaller interconnects increased. The latest addition to the range is a professional grade 3.5mm phone plug designed for applications that require a robust interconnect.

Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – RCA Plugs and Jacks

- Red, Black, White, Yellow, Blue or Green shell colours
- Stylish shell design
- Flexible grommet cable protection
- Gold Plated Contacts

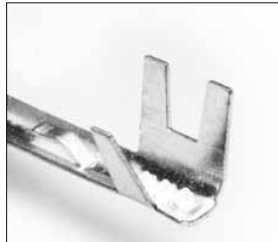
Features / Options – Miniature XLR

- 3,4,5, or 6 contacts
- Solder cup
- Printed Circuit Board
- Vertical or Horizontal mounting
- Positive locking latch
- Flexible cable clamp
- Metal cable clamp
- Locking rings
- Chassis front mount
- Chassis middle or rear mount (on request)
- Optional black finish (on request)

Features / Options – 3.5mm Plugs Phone Jack

- Mono / Stereo TRS
- Solder contacts
- Suits cable O.D 2.5mm to 5mm
- Stylised shell design
- Flexible cable grommet
- Metal cable clamp
- Nickel or Gold contact plating
- Satin Nickel or Black finish

Cable Clamp Options



RCA Cable Clamp - M-Series, Cable O.D 3mm to 6.5mm (0.118" to 0.256")



K-Series, Cable O.D 3mm to 5mm (0.118" to 0.196")

Ordering Codes

We have listed the more common ordering codes in each section. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue


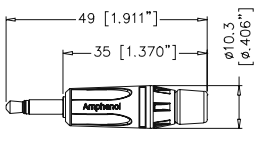

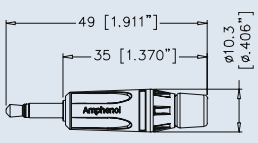

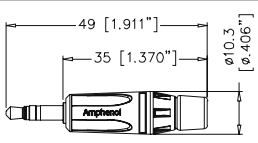

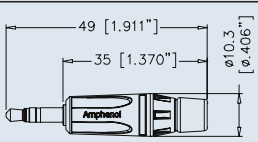
- 1) Identify the product group listed in Contents on Page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description 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:

- Mono or TRS (Stereo).
- AX Series inspired shell design.
- Suits Cable O.D from 2.5mm to 5mm (0.098" to 0.196")
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.

Options: Black Shell, Gold contacts.

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
	 <p>Dimensions in mm (inches)</p>	3.5mm, Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard Gold Plated Contacts Bulk Pack	KM2P KM2P-AU KM2P BULK
	 <p>Dimensions in mm (inches)</p>	3.5mm, Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard Gold Plated Contacts Bulk Pack	KM2PB KM2PB-AU KM2PB BULK
	 <p>Dimensions in mm (inches)</p>	3.5mm, Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard Gold Plated Contacts Bulk Pack	KS3P KS3P-AU KS3P BULK
	 <p>Dimensions in mm (inches)</p>	3.5mm, Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard Gold Plated Contacts Bulk Pack	KS3PB KS3PB-AU KS3PB BULK

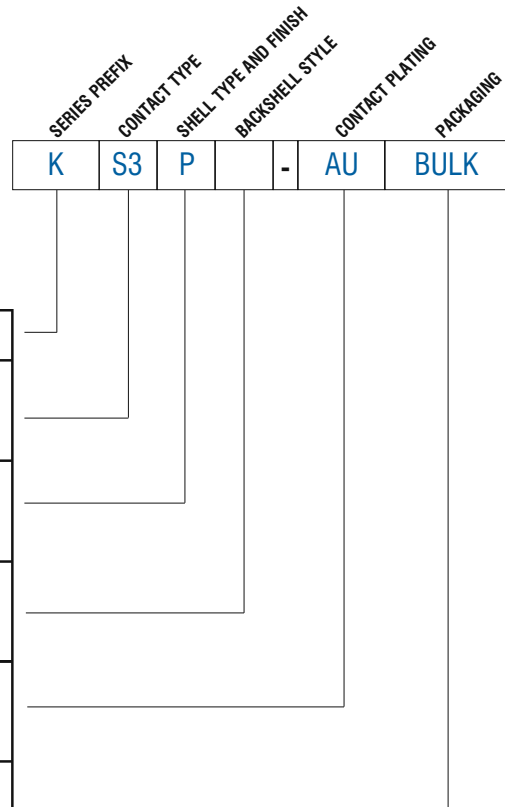


PART NUMBER BREAKDOWN

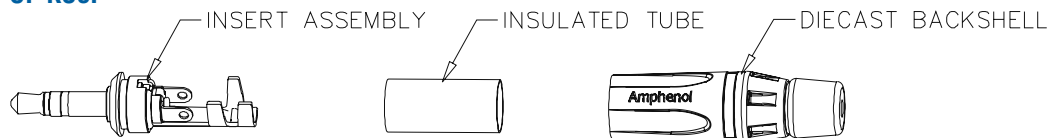
K-SERIES

E. G. **KS3P-AU BULK**
K (Series Prefix), **S3**(Stereo), **Plug**,
- AU (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	K	=	Series Prefix
CONTACT TYPE	M2	=	2 Pole (mono)
	S3	=	3 pole TRS (Stereo)
SHELL TYPE AND FINISH	P	=	Plug Satin Nickel
	PB	=	Plug Matt Black
BACKSHELL TYPE AND CABLE CLAMP	Blank	=	K Series to suit Cable O.D 2.5mm to 5mm (0.098" to 0.196")
CONTACT PLATING	Blank	=	Nickel Plated Contacts (Standard)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



ISO VIEW OF KS3P





Features:

- Stylish design
- Flexible grommet cable protection
- Robust diecast shell
- Gold plated contacts
- Colour coded
- Good solderability
- Quick and easy assembly
- Panel mount utilises standard 'D' type housing

Part Number Breakdown: Page 114

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	COLOUR	PART NUMBER
		62 [2.445"] ø13.8 [.543"]	RCA Plug, Diecast Shell, Gold plated contacts, Coloured finish, Flexible coloured grommet.	Red Black Yellow White Blue Green	ACPR-RED ACPR-BLK ACPR-YEL ACPR-WHT ACPR-BLU ACPR-GRN
		62 [2.445"] ø13.8 [.543"]	RCA Plug, Diecast Shell, Gold plated contacts, Satin finish, Flexible coloured grommet.	Satin / Red Satin / Black Satin / Yellow Satin / White Satin / Blue Satin / Green	ACPR-SRD ACPR-SBK ACPR-SYL ACPR-SWH ACPR-SBL ACPR-SGR
		54 [2.130"] ø13.8 [.543"]	RCA Jack, Diecast Shell, Gold plated contacts, Coloured finish, Flexible coloured grommet.	Red Black Yellow White Blue Green	ACJR-RED ACJR-BLK ACJR-YEL ACJR-WHT ACJR-BLU ACJR-GRN
		54 [2.130"] ø13.8 [.543"]	RCA Jack, Diecast Shell, Gold plated contacts, Satin finish, Flexible coloured grommet.	Satin / Red Satin / Black Satin / Yellow Satin / White Satin / Blue Satin / Green	ACJR-SRD ACJR-SBK ACJR-SYL ACJR-SWH ACJR-SBL ACJR-SGR
		19 [.748"] 31 [1.22"] 24 [.945"] 26 [1.024"] 3 [0.118"] ø23.4 [ø.921"] 29.6 [1.165"] 5.5 [0.217"] ø20.6 [ø.811"]	RCA Jack, Diecast Shell, Gold plated contacts, Nickel finish shell, coloured insulator.	Red Black Yellow White Blue Green	ACJD-RED ACJD-BLK ACJD-YEL ACJD-WHT ACJD-BLU ACJD-GRN

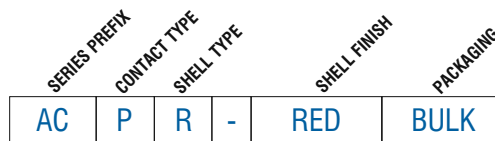
NOTE: RCA Series comply with RoHS Directive 2002/95/EC



PART NUMBER BREAKDOWN

M SERIES RCA

E. G. **ACPR-RED BULK**
AC (Series Prefix), **P** (Plug, **R**(Shell type), **RED** (Shell and Grommet Colour),
Bulk Packaged.



SERIES PREFIX	AC	=	Series Prefix
CONTACT TYPE	J	=	RCA Female Jack
	P	=	RCA Male Plug
SHELL TYPE	R	=	M Series Cable Plug
	D	=	Chassis Jack 'D' Shell
SHELL AND GROMMET COLOUR	RED	=	Red, Red Grommet
	BLK	=	Black, Black Grommet
	YEL	=	Yellow, Yellow Grommet
	WHT	=	White, White Grommet
	BLU	=	Blue, Blue Grommet
	GRN	=	Green, Green Grommet
	SRD	=	Satin Nickel, Red Grommet
	SBK	=	Satin Nickel, Black Grommet
	SYL	=	Satin Nickel, Yellow Grommet
	SWH	=	Satin Nickel, White Grommet
	SBL	=	Satin Nickel, Blue Grommet
SGR	=	Satin Nickel, Green Grommet	
NOTE: Denotes colour of insulator only on shell type D, Chassis Jack 'D' Shell. Shell finish is Nickel.			
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed





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
- Positive latchlock
- Flexible cable grommet

**Part Number Breakdown: Page 116 Specifications: Page 117
PCB Footprints: Page 118 Panel Cutouts: Page 118**

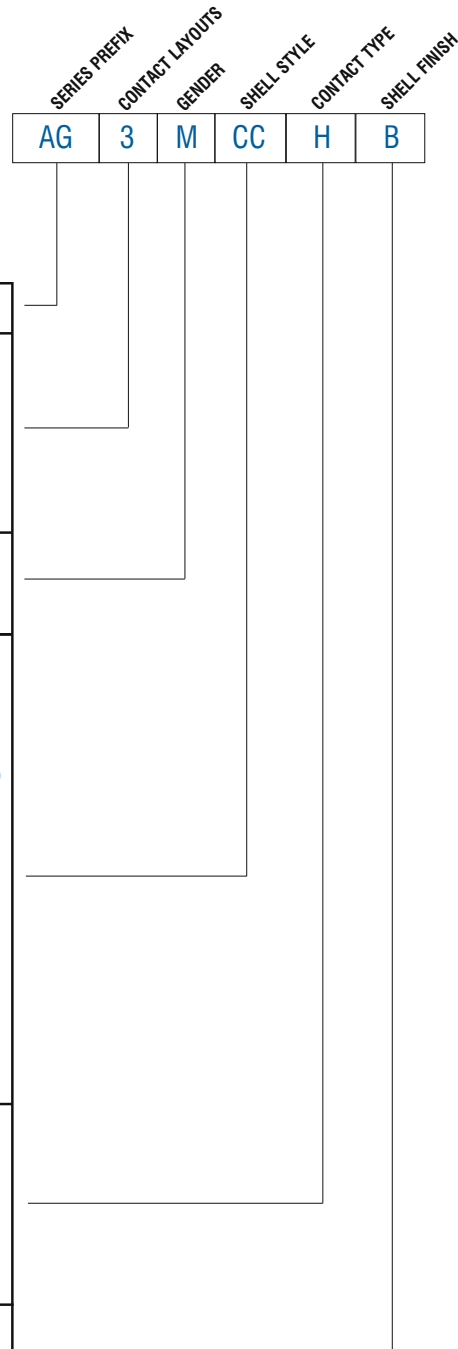
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Male cable connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3M AG4M AG5M AG6M
			Female cable connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3F AG4F AG5F AG6F
			Female cable connector with locking ring, Stamped contacts, Nickel Finish.	3 pole 4 pole 5 pole 6 pole	AG3FL AG4FL AG5FL AG6FL
			Male chassis connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCC AG4MCC AG5MCC AG6MCC
			Male chassis connector, Horizontal PCB, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCCH AG4MCCH AG5MCCH AG6MCCH
			Male chassis connector, Horizontal PCB, Machined contacts, Thermoplastic shell	4 pole	AG4MPCH
			Female chassis connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCRV AG4FCRV AG5FCRV 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
SHELL STYLE	Blank	=	Cable Connector Standard (Male or Female)
	J	=	Cable Connector Large Cable clamp / boot O.D (Male or Female)
	L	=	Cable Connector with locking ring (Female)
	CC	=	Chassis Connector Circular Metal (Male)
	CR	=	Chassis Connector Rectangular Metal (Female)
	PC	=	Chassis Connector Plastic (Male)
CONTACT TYPE	Blank	=	Solder Buckets (All styles except PC, CR)
	H	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Black Finish



STANDARD DATA G TYPE

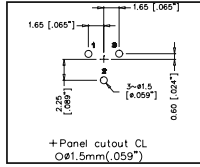
		VALUE			
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6
	Termination	Printed Circuit Board (PCB) or Solder Bucket			
	Flammability	UL94V-0			
ELECTRICAL CHARACTERISTICS	Service Voltage RMS ¹⁾	1000V	1000V	1000V	250V
	Test Voltage AC RMS	125V AC			
	Current carrying capacity	5A	5A	4A	1.2A
	Typical Contact Resistance	≤10mΩ			
	Insulation Resistance (initial)	≥510MΩ			
	Insulation Resistance (After damp heat test)	≥10MΩ			
CLIMATIC CHARACTERISTICS	Protection Class	IP00			
	Operating Temperature	-30 °C to +80 °C (-20F - +176F)			
MECHANICAL CHARACTERISTICS	Weight **	13.5g (0.029lb)			
	Insertion Spring Separating Force	≥20N			
	Mechanical Operations	5000 mating cycles	5000 mating cycles	5000 mating cycles	2000 mating cycles
	Cable O.D. range	2mm to 3.5mm (0.078" to 0.137")		3mm to 5mm (0.118" to 0.196")	
MATERIALS	Connector Shell	Bronze & Zinc			
	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				

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

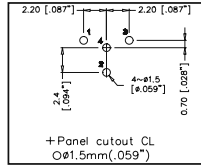
Rev 1 - 10/2010



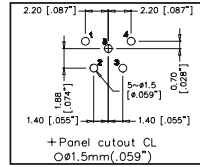
PANEL CUTOUTS - CONNECTOR SIDE OF PCB



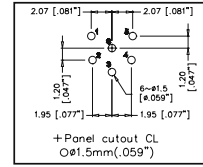
AG3MCC



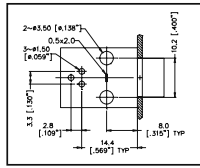
AG4MCC



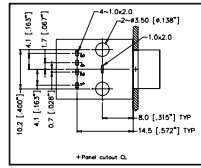
AG5MCC



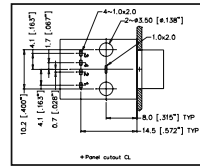
AG6MCC



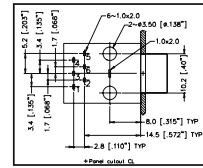
AG3MCCH



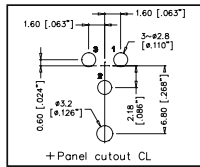
AG4MCCH



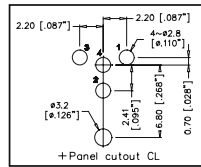
AG5MCCH



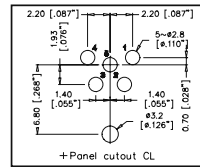
AG6MCCH



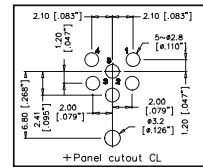
AG3FCRV



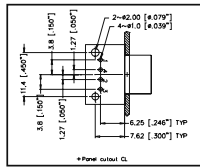
AG4FCRV



AG5FCRV

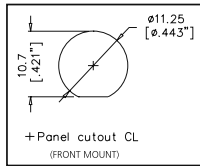


AG6FCRV

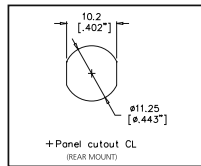


AG4MPCH

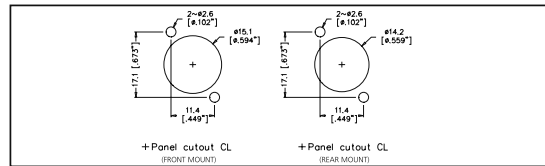
PANEL CUTOUTS - FRONT VIEW



AG3MCC
AG4MCC
AG5MCC
AG6MCC



AG3MCCH
AG4MCCH
AG5MCCH
AG6MCCH
AG4MPCH



AG3FCRV
AG4FCRV
AG5FCRV
AG6FCRV



MULTIPIN CONNECTORS

Amphenol has an extensive range of circular and rectangular multi-pin connectors ideally suited to the entertainment industry. Featuring rugged housings and precision made contacts these connectors have proven themselves in the most demanding of applications. The extensive arrangement of different connector sizes and contact numbers ensure we can offer a solution to your multi-pin wiring applications.

Applications

- Audio Cables and Snakes
- Lighting control
- Concert Touring Systems
- Outside Broadcast Systems

Features / Options - MP-41 Series

- 13 to 85 pins with Crimp / Solder bucket contacts
- 150 pins with Crimp contacts only
- 4 to 48 channel
- Gold plated contacts
- Synthetic inserts
- Environmental resistant
- Positive Bayonet locking
- PG cable gland
- 2000 mating cycles
- Bayonet wear pins
- Extended coupling ring

Features / Options - MP-62 Series

- 39 or 61 Solder bucket contacts
- Gold plated contacts
- Neoprene inserts
- Environmental resistant
- Positive Bayonet locking
- PG cable gland or NPT thread

Ordering Codes

We have listed the more common ordering codes in each section. For further options please contact us.

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 pins column to determine number of contacts.
- 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.





Amphenol's MP-41 series of multipin connectors utilise the same design principals of the rugged Mil-C-5015 military connectors. They can withstand high shock and vibration environments and are ideal for tough on-road applications. Featuring a quick mating bayonet coupling with an audible full mating feature ensures a positive connection every time. Available from 13 to 150 pins with contacts supplied with each connector as standard.

Features:


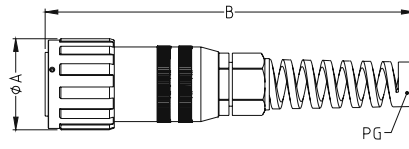
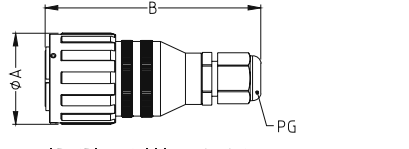

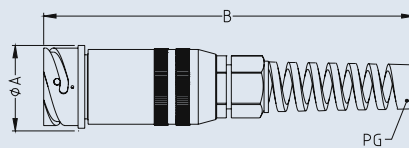
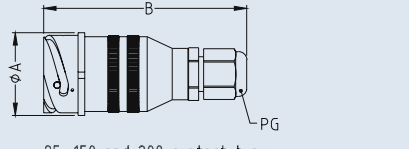
- 13 to 85 pins with Crimp/Solder bucket contacts
- 150 pins with Crimp contacts only
- 4 to 48 channels
- Gold plated contacts
- Synthetic insert
- Protective dust caps
- Industry standard compatible
- 2000 mating cycles
- Black finish
- Positive bayonet locking
- PG cable glands
- IP67 rated

Options: NPT threaded backshells.

Crimp Tooling: Page 123


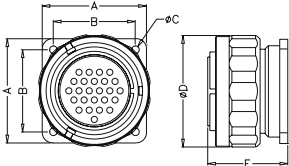

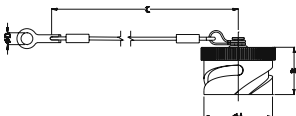
Specifications: Page 124

Part Number Breakdown: Page 123


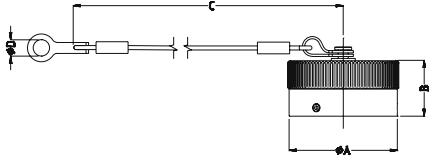

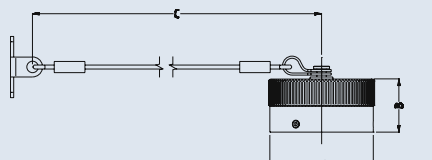
PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap	
		A	B	PG				
 <p>Straight cable plug with socket contacts, Black finish, supplied complete with contacts.</p>  <p>13, 19, 25, 37 and 54 contact type</p>  <p>85, 150 and 200 contact type</p>		40.5 (1.60)	160 (6.30)		13	MP-4106-13S	MP-4106-13S-C	
		44 (1.73)	171 (6.73)	13.5	19	MP-4106-19S	MP-4106-19S-C	
		46.6 (1.83)	193 (7.60)	16	25	MP-4106-25S	MP-4106-25S-C	
		54.3 (2.14)	210 (8.26)	21	37	MP-4106-37S	MP-4106-37S-C	
		60.1 (2.36)	210 (8.26)	21	54	MP-4106-54S	MP-4106-54S-C	
		73.3 (2.88)	137 (5.40)	29	85	MP-4106-85S	MP-4106-85S-C	
		73.3 (2.88)	145 (5.70)	36	150	MP-4106-150S	MP-4106-150S-C	
	 <p>Cable connecting receptacle with pin contacts, black finish, supplied complete with contacts.</p>  <p>13, 19, 25, 37 and 54 contact type</p>  <p>85, 150 and 200 contact type</p>		37.8 (1.49)	160 (6.30)		13	MP-4101-13P	MP-4101-13P-C
			41.1 (1.62)	171 (6.73)	13.5	19	MP-4101-19P	MP-4101-19P-C
			41.5 (1.63)	193 (7.60)	16	25	MP-4101-25P	MP-4101-25P-C
		51 (2.00)	210 (8.26)	21	37	MP-4101-37P	MP-4101-37P-C	
		57.1 (2.25)	210 (8.26)	21	54	MP-4101-54P	MP-4101-54P-C	
		70 (2.75)	137 (5.40)	29	85	MP-4101-85P	MP-4101-85P-C	
		70 (2.75)	145 (5.70)	36	150	MP-4101-150P	MP-4101-150P-C	

Note: NPT threaded backshells available on request. Please contact us.



PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
 <p>Panel plug with socket contacts, black finish, supplied complete with contacts.</p> 	<p>Panel plug with socket contacts, black finish, supplied complete with contacts.</p>	38 (1.49)	29.4 (1.15)	3.2 (0.13)	40.5 (1.60)	38.8 (1.53)	N/A	13	MP-4164-13S	MP-4164-13S-C
		41 (1.61)	31.8 (1.25)	3.2 (0.13)	44 (1.73)	38.8 (1.53)	N/A	19	MP-4164-19S	MP-4164-19S-C
		44.5 (1.75)	34.9 (1.37)	3.73 (0.14)	48.51 (1.91)	40.6 (1.60)	N/A	25	MP-4164-25S	MP-4164-25S-C
		50.8 (1.99)	39.7 (1.56)	3.73 (0.14)	54.3 (2.14)	42 (1.65)	N/A	37	MP-4164-37S	MP-4164-37S-C
		57 (2.24)	44.5 (1.75)	4.39 (0.17)	60.8 (2.40)	45 (1.77)	N/A	54	MP-4164-54S	MP-4164-54S-C
		69.8 (2.74)	55.5 (2.18)	4.39 (0.17)	73.3 (2.88)	45 (1.77)	N/A	85	MP-4164-85S	MP-4164-85S-C
		69.8 (2.74)	55.5 (2.18)	4.39 (0.17)	73.3 (2.88)	45 (1.77)	N/A	150	MP-4164-150S	MP-4164-150S-C
		38 (1.49)	29.4 (1.15)	3.23 (0.13)	34.2 (1.34)	34.5 (1.35)	29 (1.14)	13	MP-4102-13P	MP-4102-13P-C
		41 (1.61)	31.8 (1.25)	3.23 (0.13)	37.4 (1.47)	34.5 (1.35)	32.2 (1.26)	19	MP-4102-19P	MP-4102-19P-C
		44.5 (1.75)	34.9 (1.37)	3.73 (0.14)	40.9 (1.61)	35.7 (1.40)	35.3 (1.38)	25	MP-4102-25P	MP-4102-25P-C
50.8 (1.99)	39.7 (1.56)	3.73 (0.14)	46.7 (1.83)	36.5 (1.44)	41.4 (1.62)	37	MP-4102-37P	MP-4102-37P-C		
57 (2.24)	44.5 (1.75)	4.30 (0.17)	53.4 (2.10)	38.5 (1.52)	47.8 (1.88)	54	MP-4102-54P	MP-4102-54P-C		
69.8 (2.74)	55.5 (2.18)	4.30 (0.17)	65.5 (2.57)	38.5 (1.52)	59 (2.32)	85	MP-4102-85P	MP-4102-85P-C		
69.8 (2.74)	55.5 (2.18)	4.30 (0.17)	65.5 (2.57)	38.5 (1.52)	59 (2.32)	150	MP-4102-150P	MP-4102-150P-C		
 <p>Plug protective dustcap to suit MP-4164 type.</p> 	<p>Plug protective dustcap to suit MP-4164 type.</p>	34.16 (1.35)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	13	MP-25042-13S	-
		37.36 (1.47)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	19	MP-25042-19S	-
		40.87 (1.61)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	25	MP-25042-25S	-
		46.68 (1.84)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	37	MP-25042-37S	-
		53.36 (2.10)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	54	MP-25042-54S	-
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	85	MP-25042-85S	-
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	150	MP-25042-150S	-
		38.8 (1.53)	20.7 (0.81)	255 (8.07)	-	-	-	13	MP-25042-13L	-
41.6 (1.64)	20.7 (0.81)	255 (8.07)	-	-	-	19	MP-25042-19L	-		
45.3 (1.78)	20.7 (0.81)	255 (8.07)	-	-	-	25	MP-25042-25L	-		
52.15 (2.05)	20.7 (0.81)	255 (8.07)	-	-	-	37	MP-25042-37L	-		
58.6 (2.30)	20.7 (0.81)	255 (8.07)	-	-	-	54	MP-25042-54L	-		
70.7 (2.78)	20.7 (0.81)	255 (8.07)	-	-	-	85	MP-25042-85L	-		
70.7 (2.78)	20.7 (0.81)	255 (8.07)	-	-	-	150	MP-25042-150L	-		



PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER
		A	B	C	D	E	F		
 <p>Plug protective dustcap to suit MP-4102 types.</p> 	34.16 (1.35)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	13	MP-25043-13S	
	37.36 (1.47)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	19	MP-25043-19S	
	40.87 (1.61)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	25	MP-25043-25S	
	46.68 (1.84)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	37	MP-25043-37S	
	53.36 (2.10)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	54	MP-25043-54S	
	65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	85	MP-25043-85S	
	65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	150	MP-25043-150S	
	 <p>Receptacle protective dustcap to suit MP-4101 types.</p> 	38.8 (1.53)	20.7 (0.81)	255 (8.07)	-	-	-	13	MP-25043-13L
41.6 (1.64)		20.7 (0.81)	255 (8.07)	-	-	-	19	MP-25043-19L	
45.3 (1.78)		20.7 (0.81)	255 (8.07)	-	-	-	25	MP-25043-25L	
52.15 (2.05)		20.7 (0.81)	255 (8.07)	-	-	-	37	MP-25043-37L	
58.6 (2.30)		20.7 (0.81)	255 (8.07)	-	-	-	54	MP-25043-54L	
70.7 (2.78)		20.7 (0.81)	255 (8.07)	-	-	-	85	MP-25043-85L	
70.7 (2.78)		20.7 (0.81)	255 (8.07)	-	-	-	150	MP-25043-150L	



PRODUCT - FIGURE	DRAWING	DESCRIPTION	NO. OF PINS	PART NUMBER
	N/A	Crimp Tool	All	M22520/1-01
	N/A	Positioner / Turret	All	TH29-1
	N/A	Insertion tool	13-85	MP-INS-16
			150	MP-INS-18
	N/A	Extraction tool	All	MP-EXT-16/18
	N/A	Contact Pilot Pin	13-85	MP-GUIDE-16
			150	MP-GUIDE-18
	N/A	Solder/Crimp Pin Contact	13-85 (Size 16)	MP-108400
		Crimp Socket Contact (Soldering of this contact is not recommended)	150 (Size 18)	MP-108300
	N/A	Solder/Crimp Socket Contact	13-85 (Size 16)	MP-108600
		Crimp Socket Contact (Soldering of this contact is not recommended)	150 (Size 18)	MP-108500

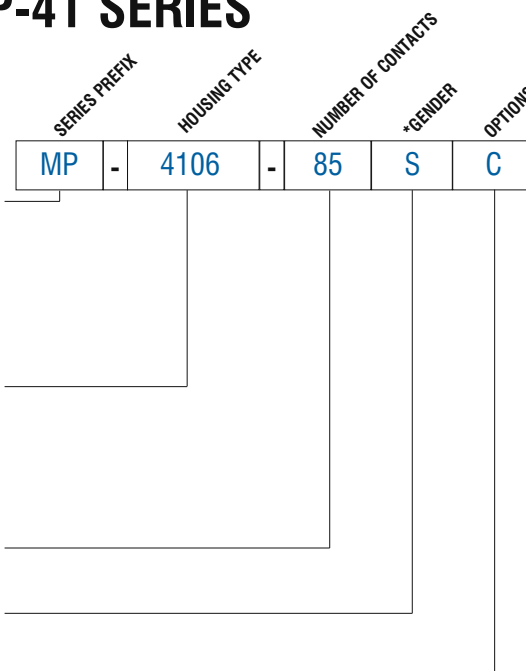
NOTE: Complete instructions for providing reliable crimped wire to contact terminations and inserting proprietary contacts in MP-41 Series connectors are available in publication Pi523 located on our website www.amphenolaudio.com.

PART NUMBER BREAKDOWN MP-41 SERIES

MULTIPIN CIRCULAR CONNECTORS

E. G. **MP-4106-85S**
 Multipin, **4106** Cable Plug, **85** Contacts, **S** Female Socket Contacts,

SERIES PREFIX	MP	=	Series Prefix
HOUSING TYPE	4101	=	Inline cable connecting receptacle
	4102	=	Panel receptacle
	4106	=	Cable plug
	4164	=	Panel plug
	25042S	=	Dustcap for panel plug
	25042L	=	Dustcap for cable plug
	25043S	=	Dustcap for panel receptacle
	25043L	=	Dustcap for cable receptacle
NO. OF CONTACTS			13, 19, 25, 37, 54, 85, 150
GENDER *Not required for dustcap part numbers	P	=	Male pin contacts
	S	=	Female socket contacts
OPTIONS	C	=	Supplied with Dustcap



STANDARD DATA MP-41 SERIES

		VALUE						
GENERAL CHARACTERISTICS	Number of contacts	13	19	25	37	54	85	150
	Number of channels	4	6	8	12	16	28	48
	Termination	Solder / Crimp "Combo"						Crimp
	Wire Gauge - Stranded Wire	16AWG - 20AWG						18AWG
	Environmental	Complies with RoHS Directive 2002/95/EC						
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	250V*						250V*
	Operating Voltage at Sea level - AC	200V*						200V*
	Test Voltage AC RMS	1000V						1000V
	Current Carrying Capacity	13A						7.5A
	Typical Contact Resistance	3.46mΩ						11.25mΩ
	Insulation Resistance	5000MΩ						
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)						
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)						
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland						
	Mechanical Operations	2000 mating cycles						
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black						
	Insert	Synthetic Insert to MIL-R-3065						
	Male pin contact / Plating	Brass / Gold flash plated						
	Female socket contact / Plating	Brass / Gold flash plated						
CLAMPING CHARACTERISTICS	PG Gland	11	13.5	16	21	29	36	
	Cable Clamping range	mm	4-10	5-12	9-14	13-18	14-25	19-32
	(inches)	(0.15"-0.39")	(0.19"-0.47")	(0.35"-0.55")	(0.51"-0.70")	(0.55"-0.98")	(0.74"-1.25")	

Rev 1 - 09/2005

*Not suitable for domestic applications above 50V





Amphenol's Multipin MP-62 series of circular connectors utilise the same design principles as the Mil-C-26482 military connectors. Featuring a three point quick mating bayonet coupling and five key polarisation ensuring a positive connection every time. Available in two contact pin layouts 39 and 61 with gold plated solder contacts fitted as standard.


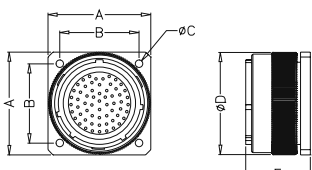

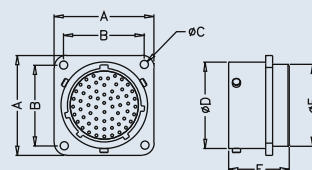

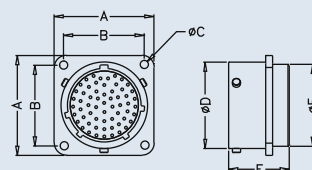

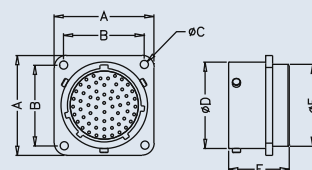
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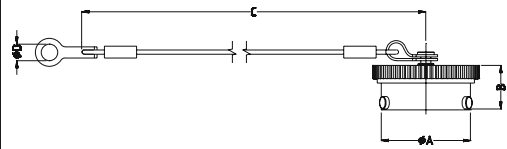

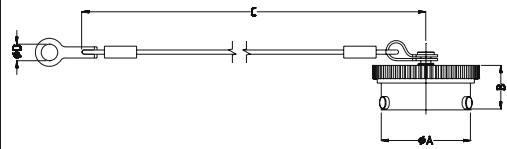

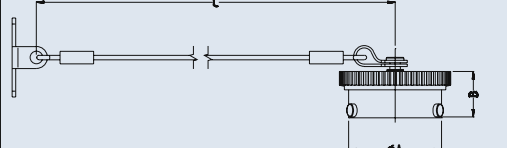

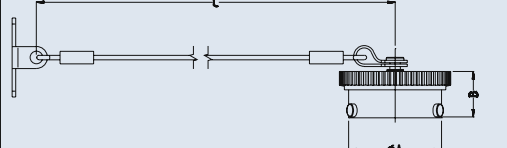

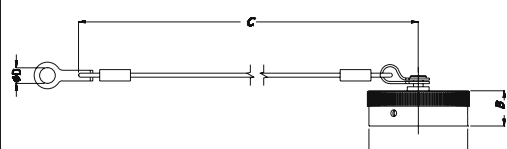

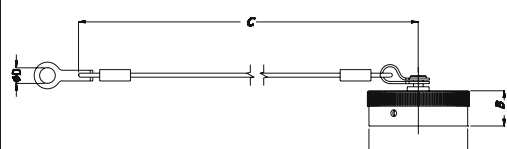

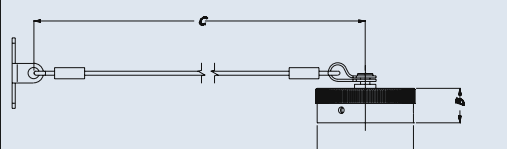

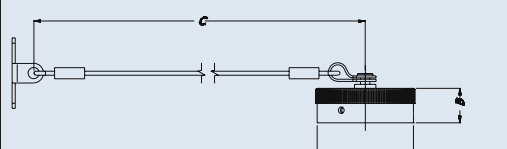
- 39 or 61 pins.
- Gold plated solder contacts.
- Neoprene insert.
- Protective dust caps
- Environmental resistant.
- Black finish.
- Positive bayonet locking
- PG cable glands

Specifications: Page 127 Wiring Info: Page 130

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	PG			
	Straight cable plug with pin contacts, Black finish, Gold plated solder contacts. 	38.9 (1.53)	181.5 (7.15)	16	39	MP-6216-39P	MP-6216-39P-C
		45.5 (1.80)	193 (7.60)	21	61	MP-6216-61P	MP-6216-61P-C
	Cable connecting receptacle with socket contacts, Black finish, Gold plated solder contacts. 	36.7 (1.45)	181.5 (7.15)	16	39	MP-6211-39S	MP-6211-39S-C
		43.0 (1.70)	193 (7.60)	21	61	MP-6211-61S	MP-6211-61S-C
	Straight cable plug with pin contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts. 	38.9 (1.53)	90 (3.54)	NPT 3/4"	39	MP-6516-39P	MP-6516-39P-C
		45.5 (1.80)	100 (3.94)	NPT 3/4"	61	MP-6516-61P	MP-6516-61P-C
	Cable connecting receptacle with socket contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts. 	36.7 (1.45)	90 (3.54)	NPT 3/4"	39	MP-6511-39S	MP-6511-39S-C
		43.0 (1.70)	100 (3.94)	NPT 3/4"	61	MP-6511-61S	MP-6511-61S-C



PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
	Panel plug with pin contacts, Black finish, Gold plated solder contacts. 	38.86	29.36	6-32	39.0	32	-	39	MP-6256-39P	MP-6256-39P-C
		(1.53)	(1.16)	UNC	(1.54)	(1.26)	-			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	43.94	34.93	6-32	45.5	35	-	61	MP-6256-61P	MP-6256-61P-C
		(1.73)	(1.38)	UNC	(1.80)	(1.38)	-			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	36.7	29.36	3.05	31.8	22.3	30.1	39	MP-6212-39S	MP-6212-39S-C
		(1.44)	(1.15)	(0.12)	(1.25)	(0.87)	(1.18)			
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts. 	43.0	34.93	3.74	38.1	22.3	36.4	61	MP-6212-61S	MP-6212-61S-C
		(1.69)	(1.38)	(0.15)	(1.50)	(0.87)	(1.43)			

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	Dimensions in mm (inches)				PINS	PART NUMBER
			A	B	C	D		
		Plug protective dustcap to suit MP-6256	31.7	15.9	127	4.40	39	MP-742-39S
			(1.25)	(0.62)	(4.99)	(0.17)		
		Plug protective dustcap to suit MP-6256	38.05	16.70	127	4.40	61	MP-742-61S
			(1.50)	(0.66)	(4.99)	(0.17)		
		Receptacle protective dustcap to suit MP-6216	36.9	13.13	127	-	39	MP-742-39L
			(1.45)	(0.52)	(4.99)	-		
		Receptacle protective dustcap to suit MP-6216	43.14	14.15	127	-	61	MP-742-61L
			(1.70)	(0.56)	(4.99)	-		
		Plug protective dustcap to suit MP-6212	31.7	15.9	127	4.40	39	MP-738-39S
			(1.25)	(0.62)	(4.99)	(0.17)		
		Plug protective dustcap to suit MP-6212	38.05	16.70	127	4.40	61	MP-738-61S
			(1.50)	(0.66)	(4.99)	(0.17)		
		Receptacle protective dustcap to suit MP-6211	36.9	13.13	127	-	39	MP-738-39L
			(1.45)	(0.52)	(4.99)	-		
		Receptacle protective dustcap to suit MP-6211	43.14	14.15	127	-	61	MP-738-61L
			(1.70)	(0.56)	(4.99)	-		



STANDARD DATA MP-62 SERIES / MP - 65 SERIES

		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	39	61
	Number of channels	12	20
	Termination	Solder	
	Wire Gauge - Stranded Wire	37 x 24AWG-20AWG 2 x 20AWG-16AWG	24AWG-20AWG
	Environmental	Complies with RoHS Directive 2002/95/EC	
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	600V*	
	Operating Voltage at Sea level - AC	600V*	
	Test Voltage AC RMS	1500V	
	Current Carrying Capacity	37 x 7.5A 2 x 13A	7.5A
	Insulation Resistance	5000M Ω	
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)	
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)	
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland / NPT Thread	
	Mechanical Operations	500 mating cycles (minimum)	
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black	
	Insert	Neoprene	
	Male pin contact machined - Plating	Brass / Gold flash plated	
	Female socket contact machined - Plating	Brass / Gold flash plated	
CLAMPING CHARACTERISTICS	PG Gland	16	21
	Cable Clamping range mm (inches)	9-14 (0.35"-0.55")	13-18 (0.51"-0.70")

Rev 1 - 09/2005

*Not suitable for domestic applications above 50V





146 SERIES RECTANGULAR CONNECTORS

Amphenol Tuchel C146 series rectangular connectors feature modular components ensuring a vast range of different features and benefits for the end user. The zinc diecast aluminum housings are finished in a durable powder coat and available in either top or side entry. Connector coupling is achieved via a positive locking lever ensuring a positive rapid connection. The C146 series is suitable for general-purpose audio and lighting applications and is completely intermateable with all competitor connectors.

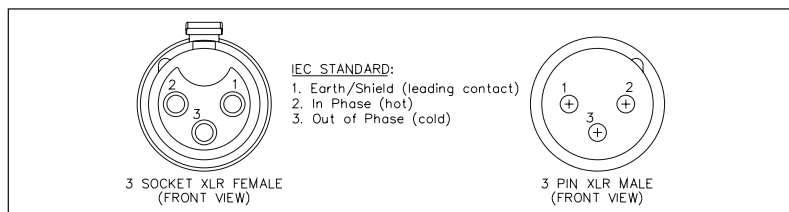


FIBRE OPTIC

Amphenol has over 25 years experience in fibre optics dating back to their development of the first industry standard connector, the SMA. Today we can offer a complete range of products including Hybrid Fibre optic connectors for HDTV broadcast cameras SMPTE 304M compliant and ruggedised connectors and cable assemblies for indoor or outdoor applications.

CONNECTOR WIRING INFORMATION

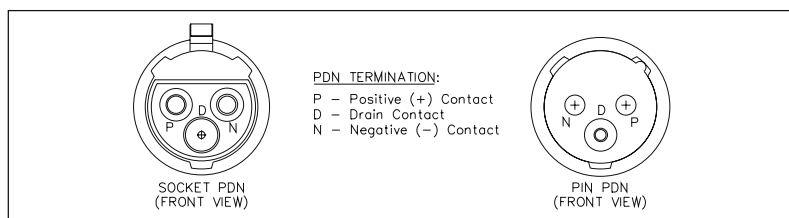
XLR (Microphone / Patch Cables)



The standard XLR 3 contact pin outs are as shown above for a balanced lead. In such a configuration audio "Hot" (pin 2) is the in-phase connection whilst audio "Cold" (pin 3) is the out-of-phase connection. For an unbalanced lead however, you may connect pin 1 to either pin 2 or pin 3, but not both. In such a configuration the remaining pin is used for the audio signal.

When terminating the cable shielding to pin 1 it is suggested that the shield be only grounded at one end of the cable to avoid inducing "hum". Pin 1 is a leading contact that engages at interconnection, before pin 2 or pin 3.

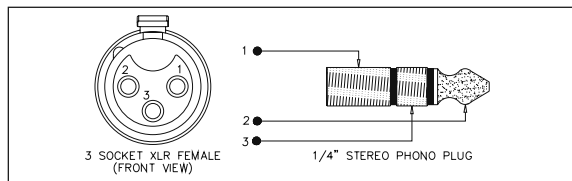
PDN (Speaker Cables)



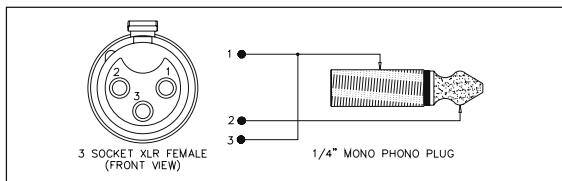
The PDN stands for Positive, Drain and Negative. P pin is used for the Positive (+) line and the N pin is for the return line. D pin is a leading contact that engages at interconnection, before the major contacts. If applicable, solder the cable screen to this contact.

1/4" Phono (6.35mm) (Standard Applications)

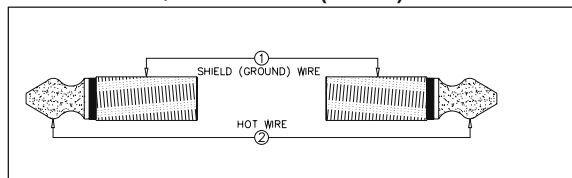
MICROPHONE CABLE - BALANCED



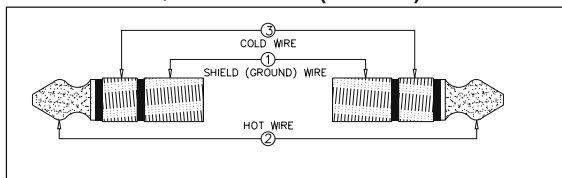
MICROPHONE CABLE - UNBALANCED



INSTRUMENT / LINE CABLE (MONO)



INSTRUMENT / LINE CABLE (STEREO)



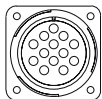
Amphenol

CONNECTOR WIRING INFORMATION

MP Series

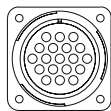
MP-41 Series
4 Ch – 13 pin

Ch	+	-	G
1	B	C	E
2	F	K	H
3	J	D	A
4	N	M	G
General	L		
Ground			



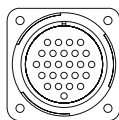
MP-41 Series
6 Ch – 19 pin

Ch	+	-	G
1	L	M	U
2	A	N	B
3	K	J	T
4	V	P	C
5	H	S	G
6	R	D	E
General	F		
Ground			



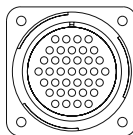
MP-41 Series
8 Ch – 25 pin

Ch	+	-	G
1	A	E	F
2	G	C	B
3	D	H	J
4	M	L	K
5	Q	P	N
6	W	S	R
7	T	X	Y
8	Z	V	U
General	a		
Ground			



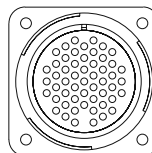
MP-41 Series
12 Ch – 37 pin

Ch	+	-	G
1	E	F	A
2	B	C	G
3	H	J	D
4	S	T	K
5	L	M	U
6	V	W	N
7	P	R	X
8	a	b	g
9	c	d	j
10	e	f	m
11	n	p	h
12	r	s	k
General	z		
Ground			



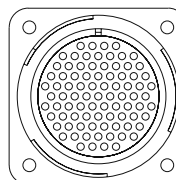
MP-41 Series
16 Ch – 54 pin

Ch	+	-	G
1	W	f	r
2	J	R	a
3	k	v	AC
4	E	M	V
5	e	q	y
6	B	H	P
7	Z	j	u
8	D	L	U
9	d	p	x
10	A	G	O
11	Y	h	t
12	C	K	T
13	c	n	w
14	F	N	X
15	g	s	AB
16	S	b	m
General	AG		
Ground			



MP-41 Series
28 Ch – 85 pin

Ch	+	-	G
1	A	B	C
2	E	F	H
3	J	K	L
4	N	P	R
5	S	T	U
6	X	Y	Z
7	a	b	c
8	d	f	g
9	h	i	j
10	k	m	n
11	p	q	r
12	t	u	v
13	w	x	y
14	z	AA	AB
15	AC	AD	AE
16	AF	AH	AJ
17	AK	AL	AM
18	AP	AR	AS
19	AT	AU	AV
20	AW	AX	AY
21	AZ	BA	BB
22	BC	BD	BE
23	BJ	BK	BL
24	BM	BN	BP
25	BS	BT	BU
26	BV	BR	BF
27	BH	AN	s
28	W	M	D
General	V		
Ground			

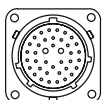


MP-41 Series
48 Ch – 150 pin

Ch	+	-	G
1	1	2	3
2	5	6	7
3	8	9	10
4	11	12	13
5	14	15	16
6	17	18	19
7	21	22	23
8	24	25	26
9	27	28	29
10	20	30	31
11	32	33	34
12	35	36	37
13	38	39	40
14	41	42	43
15	44	45	46
16	47	48	49
17	50	51	52
18	53	54	55
19	57	58	59
20	60	61	62
21	63	64	65
22	66	67	68
23	69	70	71
24	72	73	74
25	75	76	77
26	78	79	80
27	82	83	84
28	85	86	87
29	88	89	90
30	91	92	93
31	94	95	96
32	97	98	99
33	100	101	102
34	103	104	105
35	56	81	106
36	107	108	109
37	110	111	112
38	113	114	115
39	116	117	118
40	119	120	121
41	122	123	124
42	125	126	127
43	139	128	129
44	130	131	132
45	133	134	135
46	136	137	138
47	140	141	142
48	143	144	145
General	150		
Ground			

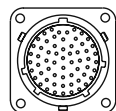
MP-62 Series
12 Ch – 39 pin

Ch	+	-	G
1	p	n	q
2	W	A	X
3	N	f	P
4	L	e	M
5	J	d	K
6	G	c	H
7	E	b	F
8	D	a	Z
9	C	B	Y
10	U	j	V
11	i	h	T
12	R	g	S
General	N/A		
Ground			



MP-62 Series
20 Ch – 61 pin

Ch	+	-	G
1	JJ	HH	NN
2	MM	KK	PP
3	BB	AA	CC
4	s	FF	W
5	r	EE	V
6	e	D	x
7	f	E	y
8	q	DD	U
9	S	p	T
10	P	N	R
11	m	k	n
12	L	K	M
13	J	i	j
14	H	G	h
15	g	F	z
16	d	C	w
17	B	A	c
18	b	a	Z
19	v	u	Y
20	t	GG	X
General	N/A		
Ground			



Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
112119	83	AC3FBVB1-AU-B	41	AC3M3MBW	79	AC3MIB-AU	16	AC4FB BULK	11
112133	83	AC3FBVB2-AU-B	41	AC3M3MPPI	63	AC3MJ	10	AC4FB-AU	11
112507	83	AC3FBVB3-AU-B	41	AC3M3MPPIL	63	AC3MM	10	AC4FBJ	11
112508	83	AC3FBVB-AU-B	41	AC3M3MW	79	AC3MM BULK	10	AC4FDZ	24
112509	83	AC3FBVBL1-AU-B	42	AC3M5FW	79	AC3MM-AU	10	AC4FDZ BULK	24
112519	83	AC3FBVBL2-AU-B	42	AC3MA-AU-B	36	AC3MMB	10	AC4FDZ-AU	24
112521	83	AC3FBVBL3-AU-B	42	AC3MAH1-AU-B	35	AC3MMB BULK	10	AC4FDZB	24
112565	83	AC3FBVBL-AU-B	41	AC3MAH2-AU-B	35	AC3MMB-AU	10	AC4FDZB BULK	24
112606	83	AC3FBVL1-AU-B	42	AC3MAH3-AU-B	35	AC3MMBJ	10	AC4FDZB-AU	24
112950	83	AC3FBVL2-AU-B	42	AC3MAH4-AU-B	35	AC3MMCP	14	AC4FDZV	24
112951	83	AC3FBVL3-AU-B	42	AC3MAH4-SW-B	35	AC3MMCP BULK	14	AC4FDZVB	24
112952	83	AC3FBVL-AU-B	41	AC3MAH-AU-B	35	AC3MMCP-AU	14	AC4FJ	11
112953	83	AC3FCP	14	AC3M-AU	10	AC3MMCPJ	14	AC4FPZ	28
112955	83	AC3FCP BULK	14	AC3MAV1-AU-B	36	AC3MMDZ	23	AC4FPZ BULK	28
112956	83	AC3FCP-AU	14	AC3MAV2-AU-B	36	AC3MMDZ BULK	23	AC4FPZ-AU	28
112957	83	AC3FCPI	18	AC3MAV3-AU-B	36	AC3MMDZ-AU	23	AC4FPZB	28
112958	83	AC3FCPI BULK	18	AC3MAV4-AU-B	36	AC3MMDZB	23	AC4FPZB BULK	28
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AC3F3FPPI	63	AC3FDPI	62	AC3MBH3-AU-B	39	AC3MMPB BULK	26	AC4MBJ	11
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AG5MCCCH	115	AX-BOOT-CLR	80	MP-25042-25S	121	MP-6211-39S-C	125	TM2PBMJ	90
AG6F	115	BNC-U-LINK 75*1	84	MP-25042-37L	121	MP-6211-61S	125	TM2PJ	89
AG6FL	115	EP-3-11P	74	MP-25042-37S	121	MP-6211-61S-C	125	TM2PN	90
AG6M	115	EP-3-11PB	74	MP-25042-54L	121	MP-6212-39S	126	TM2PN BULK	90
AG6MCC	115	EP-3-12	74	MP-25042-54S	121	MP-6212-39S-C	126	TM2PN-AU	90
AG6MCCCH	115	EP-3-12B	74	MP-25042-85L	121	MP-6212-61S	126	TM2PNJ	90
AP-4-11	76	EP-3-13P	75	MP-25042-85S	121	MP-6212-61S-C	126	TM2R	90
AP-4-12	76	EP-3-13PB	75	MP-25043-13L	122	MP-6216-39P	125	TM2R BULK	90
AP-4-13	76	EP-3-14	75	MP-25043-13S	122	MP-6216-39P-C	125	TM2R-AU	90
AP-4-14	76	EP-3-14B	75	MP-25043-19L	122	MP-6216-61P	125	TM2RB	90
AP-4-21	76	EP-4-11P	74	MP-25043-19S	122	MP-6216-61P-C	125	TM2RB BULK	90
AP-4-22	76	EP-4-11PB	74	MP-25043-25L	122	MP-6256-39P	126	TM2RB-AU	90
AP-5-11	76	EP-4-12	74	MP-25043-25S	122	MP-6256-39P-C	126	TM2RBJ	90
AP-5-12	76	EP-4-12B	74	MP-25043-37L	122	MP-6256-61P	126	TM2RJ	90
AP-5-13	76	EP-4-13P	75	MP-25043-37S	122	MP-6256-61P-C	126	TS3P	89
AP-5-14	76	EP-4-13PB	75	MP-25043-54L	122	MP-6511-39S	125	TS3P BULK	89
AP-5-21	76	EP-4-14	75	MP-25043-54S	122	MP-6511-39S-C	125	TS3P-AU	89
AP-5-22	76	EP-4-14B	75	MP-25043-85L	122	MP-6511-61S	125	TS3PB	89
AP-6-11	76	EP-5-11P	74	MP-25043-85S	122	MP-6511-61S-C	125	TS3PB BULK	89
AP-6-12	76	EP-5-11PB	74	MP-4101-13P	120	MP-6516-39P	125	TS3PB-AU	89
AP-6-13	76	EP-5-12	74	MP-4101-13P-C	120	MP-6516-39P-C	125	TS3PBJ	89
AP-6-14	76	EP-5-12B	74	MP-4101-150P	120	MP-6516-61P	125	TS3PBM	90
AP-6-21	76	EP-5-13P	75	MP-4101-150P-C	120	MP-6516-61P-C	125	TS3PBM BULK	90
AP-6-22	76	EP-5-13PB	75	MP-4101-19P	120	MP-738-39L	126	TS3PBM-AU	90
AP-8-11	76	EP-5-14	75	MP-4101-19P-C	120	MP-738-39S	126	TS3PBMJ	90
AP-8-12	76	EP-5-14B	75	MP-4101-25P	120	MP-738-61L	126	TS3PJ	89
AP-8-13	76	EP-6-11P	74	MP-4101-25P-C	120	MP-738-61S	126	TS3PN	90
AP-8-14	76	EP-6-11PB	74	MP-4101-37P	120	MP-742-39L	126	TS3PN BULK	90
AP-8-21	76	EP-6-12	74	MP-4101-37P-C	120	MP-742-39S	126	TS3PN-AU	90
AP-8-22	76	EP-6-12B	74	MP-4101-54P	120	MP-742-61L	126	TS3PNJ	90
AX3F	4	EP-6-13P	75	MP-4101-54P-C	120	MP-742-61S	126	TS3R	90
AX3F BULK	4	EP-6-13PB	75	MP-4101-85P	120	MP-EXT-16/18	123	TS3R BULK	90
AX3F-AU	4	EP-6-14	75	MP-4101-85P-C	120	MP-GUIDE-16	123	TS3R-AU	90
AX3FB	4	EP-6-14B	75	MP-4102-13S	121	MP-GUIDE-18	123	TS3RB	90
AX3FB BULK	4	EP-8-11P	74	MP-4102-13S-C	121	MP-INS-16	123	TS3RB BULK	90
AX3FB-AU	4	EP-8-11PB	74	MP-4102-150S	121	MP-INS-18	123	TS3RB-AU	90
AX3M	4	EP-8-12	74	MP-4102-150S-C	121	SP-2-MD	69	TS3RBJ	90
AX3M BULK	4	EP-8-12B	74	MP-4102-19S	121	SP-2-MDH	69	TS3RJ	90
AX3M-AU	4	EP-8-13P	75	MP-4102-19S-C	121	SP-2-MDV	69		
AX3MB	4	EP-8-13PB	75	MP-4102-25S	121	SP-4-MD	69		
AX3MB BULK	4	EP-8-14	75	MP-4102-25S-C	121	SP-4-MD-8	69		
AX3MB-AU	4	EP-8-14B	75	MP-4102-37S	121	SP-4-MDH	70		
AX4F	5	JM2P	93	MP-4102-37S-C	121	SP-4-MDHT	70		
AX4F BULK	5	JM2P BULK	93	MP-4102-54S	121	SP-4-MDHT-8	70		
AX4F-AU	5	JM2P-AU	93	MP-4102-54S-C	121	SP-4-MDT	69		
AX4FB	5	JM2PB	93	MP-4102-85S	121	SP-4-MDV	70		



PRODUCT SAFETY INFORMATION

This should be read in conjunction with Data Sheet information contained in individual product brochures. Failure to observe the advice in this information sheet and the operating conditions specified in the Data Sheets could result in hazardous situations.

1. Material Content and Physical Form

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials. Shells are manufactured in metal and plastic. Insulators can be formed in either natural rubber, synthetic rubber, plastic or glass insulating materials. Contact materials vary with the type of connector and its application. They are usually manufactured from either copper alloys, nickel, alumel, chromel or steel. In special applications, other alloys may be specified.

2. Fire Characteristics and Electric Shock Hazard

There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionisation and burning. Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, or broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering.

Overheating may occur if the ratings in the Data Sheets are exceeded and can cause breakdown of insulation and hence electric shock.

If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper or spring contact, formation of oxide film on contacts and wires, and leakage currents through carbonisation of insulation and tracking points. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

3. Handling

Care must be taken to avoid damage to any component parts of electrical connectors during installation and use. Although there are normally no sharp edges, care must be taken when handling certain components to avoid injury to fingers. Electrical connectors may be damaged in transit to customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

4. Disposal

Incineration of certain materials may release noxious or even toxic fumes.

5. Application

Connectors with exposed contacts should not be selected for use on the current supply side of an electrical circuit, because an electric shock could result from touching exposed contacts of an unmated connector. Voltages in excess of 30 V.A.C. or 42.5

V.D.C. are potentially hazardous and care should be taken to ensure that such voltages cannot be transmitted in any way to exposed metal parts of the connector body. The connector and wiring should be checked, before making live, to have no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Circuit resistance and continuity check should be made to make certain that there are no low resistance joints or spurious conducting paths. Always use the correct application tools as specified in the Data Sheets. Do not permit untrained personnel to wire, assemble or tamper with connectors. For operation voltage please see appropriate national regulations.

Important General Information

A) Air and creepage paths / Operating voltage.

The admissible operating voltages depend on the individual applications and the valid national and other applicable safety regulations. For this reason the air and creepage path data are only reference values. Observe reduction of air and creepage paths due to PC board and/or harnessing.

B) Other important information

Amphenol Australia Pty Ltd continuously endeavours to improve its products. Therefore, products may deviate from the description, technical data and shape as shown in product brochures.

C) Assembly instructions

If applicable, special assembly instructions have been included in or on the connector packaging. See also separate instructions in product brochures.