AX Series Cable Connectors



AX SERIES XLR CABLE CONNECTORS

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

Features

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

Options

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

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

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

AX Series Cable Connectors



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

Options:

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

Part Number Breakdown: Page 5

Specifications: Page 8

Assembly Instructions: Page 6 & 7

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	71-74[2.00-2.50]		XLR 3 pole male Machined contacts Nickel Finish	Standard	AX3M
	019			Bulk Pack	AX3M BULK
		—71 - 74 [2.80-2.90"]—— >	XLR 3 pole male Machined contacts	Standard	AX3MB
Of The	Ø19 [0.744"]		Black Finish	Gold Plated Contacts	AX3MB-AU
3	Aurophanol			Bulk Pack	AX3MB BULK
	71 - 74 [2.80-2.90"]	XLR 3 pole female Stamped contacts Nickel Finish	Standard	AX3F	
				Bulk Pack	AX3F BULK
	[18]	71 - 74 [2.80-2.90"]————		Standard	AX3FB
	71 - 74 [2.80-2.90"]	Stamped contacts Black Finish	Gold Plated Contacts	AX3FB-AU	
				Bulk Pack	AX3FB BULK
	71 - 74 [2.80-2.90"]	XLR 4 pole male Machined contacts Nickel Finish	Standard	AX4M	
	l 619			Bulk Pack	AX4M BULK

^{*}PI538 is available for download at www.amphenolaudio.com

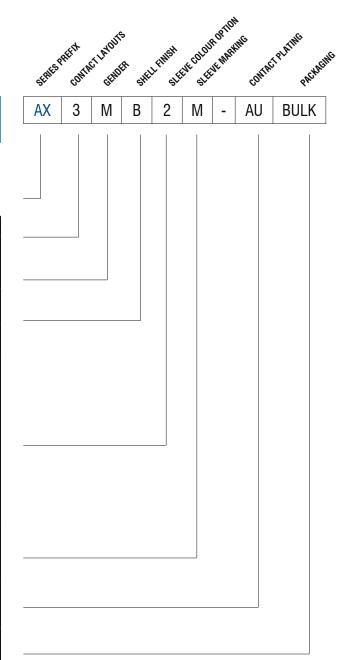
AX Series Cable Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	F [*	71 - 74 [2.80-2.90"]		Standard	AX4MB
1	019 [0.7447]		Machined contacts Black Finish	Gold Plated Contacts	AX4MB-AU
	5100	Amphanol		Bulk Pack	AX4MB BULK
	615.7 [0.618"]	71 - 74 [2.80-2.90"]	XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
				Bulk Pack	AX4F BULK
	18.1	71 - 74 [2.80-2.90"]	XLR 4 pole female Machined contacts	Standard	AX4FB
	0.05.7 [0.6187]		Black Finish	Gold Plated Contacts	AX4FB-AU
				Bulk Pack	AX4FB BULK
	Ø19 [0.744]	71 - 74 [2.80-2.90"]	XLR 5 pole male Machined contacts Nickel Finish	Standard	AX5M
	Ø19 ×	Annophenod		Bulk Pack	AX5M BULK
		71 - 74 [2.80-2.90"] 1-74 [2.80-2.90"]	XLR 5 pole male Machined contacts Black Finish	Standard	AX5MB
	[0.744"]			Gold Plated Contacts	AX5MB-AU
	618			Bulk Pack	AX5MB BULK
	5.7 [0.6187]	71 - 74 [2.80-2.90"]	XLR 5 pole female Machined contacts Nickel Finish	Standard	AX5F
	16			Bulk Pack	AX5F BULK
40	L81	——71 - 74 [2.80-2.90"]——— _─	XLR 5 pole female	Standard	AX5FB
	71 - 74 [2.80-2.90"]		Machined contacts Black Finish	Gold Plated Contacts	AX5FB-AU
				Bulk Pack	AX5FB BULK

METAL SHELL TYPE - SOLDER

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

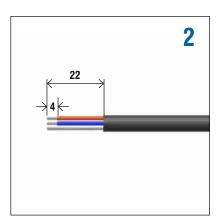
SERIES PREFIX	AX	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL FINISH	Blank	=	Nickel Plated Finish
	В	=	Black Finish
SLEEVE COLOUR	Blank	=	Black
OPTION	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green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



AX Series Cable Connectors



Slide the nut (Backshell) onto the cable



Strip the cable



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



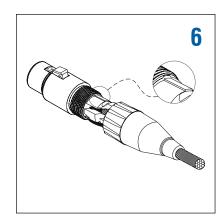
Install the cable clamp, flush to the insert making sure to align the top slot with the spring. Then push the insert & cable clamp together into the shell.



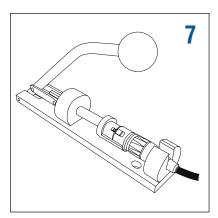
Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

PI539 ASSEMBLY INSTRUCTIONS

AX SERIES FEMALE XLR CABLE CONNECTOR



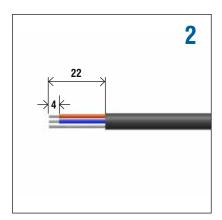
Close the cable clamp slightly and push the boot over the clamp ensuring the wires fit inside the boot.



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



Slide the nut (Backshell) onto the cable



Strip the cable



Solder the wires to the contacts.



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



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

PI538 ASSEMBLY INSTRUCTIONS

AX SERIES MALE XLR CABLE CONNECTOR



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

STANDARD DATA AX SERIES CABLE CONNECTORS

			VALUE			
GENERAL	Number of contacts	3	4	5		
CHARACTERISTICS	AX Series Contact Arrangements (Front view of pin inserts)	1	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	\$ 3 4 b		
	Termination		SOLDER			
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG		
	Flammability rating of insulator plastics and housings		UL94V-0			
	Environmental	Complie	es with EU RoHS 2 Directive 201	1/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS		133V 1)			
CHARACIERISIICS	Test Voltage AC RMS		1400V			
	Current carrying capacity: Solder	15A	10A	7.5A		
	Typicial Contact Resistance		≤3m Ω			
	Insulation Resistance		≥1G Ω			
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
CHANACIENIOTICO	Operating Temperature	-1	25°C to +75°C (-13°F to -167°	F)		
MECHANICAL Characteristics	Insertion and Withdrawal force	≥10N - ≤30N				
CHANACIENISTICS	Weight 2)	31g (0.068lb)	33g (0.073lb)	33g (0.073lb)		
	Typical Cable retention force	22Kg to 44Kg (50lb t	to 100lb) - Dependent on cable i	material and diameter.		
	Cable O.D. range	3mm to 8mm (0.118" to 0.314")				
	Mechanical Operations		1000 mating cycles			
MATERIALS	Connector shell - Metal Shell finish		Diecast Zinc Alloy Satin nickel or Black			
	Insulators		UL94V-0 PA66, 30% Glass Filled			
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Santoprene Black, other colours available - see page 80				
	Cable clamp	Noryl N190				
	Sleeve	Noryl N190				
	Male Contact Machined - Solder / Plating	Brass / Silver or Gold (Optional)				
	Female Contact Stamped - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional)				

¹⁾ Not suitable for domestic applications above 50V

Rev 3 - 03/2013

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



AC SERIES XLR CABLE CONNECTORS

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

Features

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

Options

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

www.amphenolaudio.com

• Termination / Assembly tooling

Jaws Cable Clamp Options



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



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

Ordering Codes

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- Please contact us directly if you have any further problems.

AC Series Cable Connectors



Features:

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

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

Part Number Breakdown: Page 13

Specifications: Page 15

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	82.0 [3.228"]		XLR 3 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC3MM
8	Ø19.0 [0.748*]		Jaws cable clamp	Bulk Pack	AC3MM BULK
_	Ψ	—82.0 [3.228″]——¬	XLR 3 pole male, Machined contacts,	Standard	AC3MMB
	Ø19.0 [0.748*]		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC3MMB-AU
	¥			Bulk Pack	AC3MMB BULK
		—82.0 [3.228*]———	XLR 3 pole male, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3M
	Ø19.0 [0.748*] 0	Jaws cable clarify	Large Cable Clamp	AC3MJ	
			Bulk Pack	AC3M BULK	
	82.0 [3.228*]	XLR 3 pole male, Stamped contacts, Black Finish, Jaws cable clamp	Standard	AC3MB	
			Gold Plated Contacts	AC3MB-AU	
	ø19.0 [0.748″]		ouws cubic clamp	Large Cable Clamp	AC3MBJ
			Bulk Pack	AC3MB BULK	
	82.0 [3.228*]	XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3F	
	ø19.0 [.748"]		Jaws Cable Clarify	Large Cable Clamp	AC3FJ
				Bulk Pack	AC3F BULK
	<u> </u>	—82.0 [3.228″]——⇒	XLR 3 pole female, Stamped contacts,	Standard	AC3FB
	Ø19.0 [.748"]	Black Finish, Jaws cable clamp	Gold Plated Contacts	AC3FB-AU	
			Large Cable Clamp	AC3FBJ	
	1 4	1		Bulk Pack	AC3FB BULK

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AC Series Cable Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	Ā	—82.0 [3.228"]————	XLR 4 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4M
	ø19.0 [0.748″]		Jaws Cable Claffip	Large Cable Clamp	AC4MJ
	<u> </u>			Bulk Pack	AC4M BULK
	1-	—82.0 [3.228″] 	XLR 4 pole male, Machined contacts,	Standard	AC4MB
	<u> </u>		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC4MB-AU
	ø19.0 [0.748″]		Jaws Cable Claffip	Large Cable Clamp	AC4MBJ
	<u> </u>			Bulk Pack	AC4MB BULK
		—82.0 [3.228*]———————————————————————————————————	XLR 4 pole female, Machined contacts, Nickel Finish,	Standard	AC4F
	Ø19.0 [.748"]		Jaws cable clamp	Large Cable Clamp	AC4FJ
				Bulk Pack	AC4F BULK
•	82.0 [3.228"] ø19.0 [.748"]	02.0.12.22.0#1	XLR 4 pole female, Machined contacts,	Standard	AC4FB
			Black Finish, Jaws cable clamp	Gold Plated Contacts	AC4FB-AU
		Jaws Cable Claffip	Large Cable Clamp	AC4FBJ	
25				Bulk Pack	AC4FB BULK
	82.0 [3.228"]	XLR 5 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5M	
	ø19.0 [0.748″]	TO HE	Jaws Cable Clamp	Large Cable Clamp	AC5MJ
				Bulk Pack	AC5M BULK
	les-	—82.0 [3.228″] 	XLR 5 pole male,	Standard	AC5MB
	<u></u> Γ		Machined contacts, Black Finish, Jaws cable clamp	Gold Plated Contacts	AC5MB-AU
	Ø1 ⁵ .0 [0.748″] 0		Jaws Cable Claffip	Large Cable Clamp	AC5MBJ
	<u> </u>			Bulk Pack	AC5MB BULK
		—82.0 [3.228*]————	XLR 5 pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5F
	ø19.0 [.748″]		Jawa Cadic Cialip	Large Cable Clamp	AC5FJ
	ŷ S			Bulk Pack	AC5F BULK
	ks	—820 [3228″]——≕	XLR 5 pole female,	Standard	AC5FB
	82.0 [3.228"] Ø19.0 [.748"]		Machined contacts, Black Finish,	Gold Plated Contacts	AC5FB-AU
		Jaws cable clamp	Large Cable Clamp	AC5FBJ	
i i				Bulk Pack	AC5FB BULK

AC Series Cable Connectors

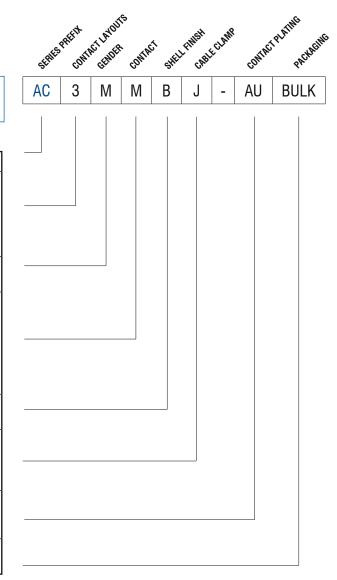
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	82.0 [3.228*]		XLR 6A pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AM
	Ø19.0 [0.748″]		Jawa Cabic Clamp	Large Cable Clamp	AC6AMJ
	<u>V</u>			Bulk Pack	AC6AM BULK
		—82.0 [3.228″]——⊶	XLR 6A pole male, Machined contacts,	Standard	AC6AMB
		02.0 [3.220]	Black Finish, Jaws cable clamp	Gold Plated Contacts	AC6AMB-AU
	ø19.0 [0.748″]	ONE CONTROL OF CONTROL	Jaws Cable Claffip	Large Cable Clamp	AC6AMBJ
	<u>V</u>			Bulk Pack	AC6AMB BULK
	, in the second	—82.0 [3.228*]———————————————————————————————————	XLR 6A pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AF
	ø19.0 [.748"]		Jaws cable clamp	Large Cable Clamp	AC6AFJ
				Bulk Pack	AC6AF BULK
_	<u></u>	—82.0 [3.228″]——⊶	XLR 6A pole female,	Standard	AC6AFB
			Machined contacts, Black Finish, Jaws cable clamp	Gold Plated Contacts	AC6AFB-AU
	ø19.0 [.748"]	48"] "		Large Cable Clamp	AC6AFBJ
				Bulk Pack	AC6AFB BULK
	82.0 [3.228*] Ø19.0 [0.740*]	XLR 7 pole male, Gold plated Machined contacts,	Standard	AC7M	
		Nickel Finish, Jaws cable clamp	Large Cable Clamp	AC7MJ	
	[0.748"]		ouwo oubio olump	Bulk Pack	AC7M3
			XLR 7 pole male,	Standard	AC7MB
	82.0 [3.228"]	82.0 [3.228"]	Gold plated Machined contacts, Black Finish, Jaws cable clamp	Standard	AC7 IVID
	Ø19.0 [0.748″]			Large Cable Clamp	AC7MBJ
	<u>V</u>			Bulk Pack	AC7MB BULK
_	k	—82.0 [3.228″]—— 	XLR 7 pole female, Gold plated	Standard	AC7F
			Machined contacts, Nickel Finish,		
	ø19.0 [.748"]		Jaws cable clamp	Large Cable Clamp	AC7FJ
				Bulk Pack	AC7F BULK
		—82.0 [3.228*]—— —	XLR 7 pole female, Gold plated Machined contacts,	Standard	AC7FB
	ø19.0		Black Finish,	Lorgo Coble Olava	ACZED I
	ø19.0 [.748"]	Jaws cable clamp	Large Cable Clamp	AC7FB BULL	
				Bulk Pack	AC7FB BULK

METAL SHELL TYPE - SOLDER

E. G. AC3MMBJ-AU BULK

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

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



Note:

¹4 - 7 contact connectors have machined contacts and grounding as standard.

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

 $^{^{\}rm 3}$ 7 Contact is gold plated as standard.

 $^{^4}$ All AC Series Connectors are available with optional colour coded boot / backshell. Refer to page 134 and simply add colour to end of part number. Example: AC3MM - RED

AC Series Cable Connectors



Features:

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

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

Specifications: Page 15

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

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

STANDARD DATA AC CABLE CONNECTORS

			VALUE				
GENERAL	Number of contacts		3	4	5	6A	7
CHARACTERISTICS	AC Series Contact A (Front view of pin in			(e ¹ 4 6 2 6 3	1 5 6 2 3 4 6	0 ¹ 6 5 2 0 3 4	1 7 6 2 • 5 9 3 4
	Termination				SOLDER	-	
	Max. Wire Gauge - S	Stranded wire: Solder	14AWG	16AWG	18/	AWG	20AWG
	Flammability rating (insul	ator plastics & housings)			UL94V-0		
	Environmental			Complies with	EU RoHS 2 Directi	ive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Service Voltage RM	S			133V ¹		
CHARACTERISTICS	Test Voltage AC RM	S			1400V		
	Current carrying ca	oacity: Solder	15A	10A	7.	.5A	5A
	Typical Contact Res	istance			≤3mΩ		
	Insulation Resistance	e			≥1GΩ		
CLIMATIC	Protection Class				IP40		
CHARACTERISTICS	Operating Temperat	ure		-25°C to	+75°C (-13°F to	+167°F)	
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force		≥10N - ≤30N				
CHANACIENISTICS	Weight - Metal ²		36g (0.080lb)	37g (0.081lb)	38g (0.083lb)		
	Weight - Thermoplastic ²		18g (0.039lb) (0.041lb) 20g (0.044lb)				
	Typical Cable retent	on force	22Kg to 44Kg (50lb to 100lb) - Dependent on cable material and diameter.				
	Cable O.D. range - JAWS clamp	Standard Large	3mm to 6.5mm (0.118" to 0.255") 6.5mm to 8mm (0.255" to 0.314")				
	Mechanical Operation	ons			1000 mating cycle	S	
MATERIALS	Connector shell - M Shell finish	etal	Diecast Zinc Alloy Satin nickel or Bla				
	Connector shell - Th Shell finish	nermoplastic	Thermoplastic, UL94V-0 Modified PPE Resin Black				
	Insulators		UL94V-0 PBT Resin or Modified PPE Resin				
	Boot / Backshell Finish		UL94V-0 Modified PPE Resin or Machined Brass Black, other colours available - see page 134				
	Cable clamp (JAWS)	Standard Solder Large Solder	UL94V-0 Modified PPO Resin (Black) UL94V-0 Modified PPO Resin (Purple)				
	Cable Bushing	I	Santoprene				
	Male Contact (Solder / Plating)	Stamped Machined	Phosphor Bronze / Silver or Gold (Optional) Brass / Silver or Gold (Optional)				
	Female Contact (Solder / Plating)	Stamped Machined	Phosphor Bronze / Tin or Gold (Optional) Brass / Silver or Gold (Optional)				

¹⁾ Not suitable for domestic applications above 50V ²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

AC "Z" Series Chassis Mount



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

- 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.

AC "Z" Series Chassis Mount



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 21

Specifications: Page 22 PCB Footprints: Page 23 Panel Cutouts: Page 23

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
0		XLR 3 pole male, D Flange,	Standard	AC3MMDZ
		Machined contacts, Nickel Finish	Vertical PCB	AC3MMDZV
O CONTRACTOR OF THE PARTY OF TH	19.0 [.748"] 2.7 [.106"] 5.5 [.217"]		Bulk Pack	AC3MMDZ BULK
	24.0 [.945].	XLR 3 pole male, D Flange,	Standard	AC3MMDZB
9/3	SOLDER CONTACTS PCB CONTACTS PCB CONTACTS PCB CONTACTS PCB (1.024"] SOLDER CONTACTS PCB PCB CONTACTS PCB	Machined contacts, Black Finish	Gold Plated Contacts	AC3MMDZB-AU
			Vertical PCB	AC3MMDZVB
Section 1			Bulk Pack	AC3MMDZB BULK
6		XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ
	19.0 [7.748"] 1.0027 i.j 0 77.7 1.008"]		Bulk Pack	AC3MDZ BULK
6	solder contacts	XLR 3 pole male, D Flange,	Standard	AC3MDZB
	→ 26.0 [1.024"] → 32.1 [1.263*] →	Stamped contacts, Black Finish	Gold Plated Contacts	AC3MDZB-AU
-			Bulk Pack	AC3MDZB BULK
E Paul		XLR 3 pole female, D Flange, Stamped contacts,	Standard	AC3FDZ
	PUSH [.024] 0.5 [.256] 0.5	Nickel Finish	Bulk Pack	AC3FDZ BULK
(a) (a)	SOLDER CONTACTS	XLR 3 pole female, D Flange,	Standard	AC3FDZB
	19.0 [.748*]	Stamped contacts, Black Finish	Gold Plated Contacts	AC3FDZB-AU
			Bulk Pack	AC3FDZB BULK

AC "Z" Series Chassis Mount

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male, D Flange, Machined contacts,	Standard	AC4MDZ	
	19.0 [[.748]]	[.106"] 5.5 [.217"]	Nickel Finish	Vertical PCB	AC4MDZV
ALL CONTRACTOR OF THE PARTY OF				Bulk Pack	AC4MDZ BULK
	24.0 [1.2207]	ER CONTACTS PCB CONTACTS	XLR 4 pole male,	Standard	AC4MDZB
8	5.5	[.217"] = 27.5 [1.081"] = 27.5 [1.437"] = 36.5 [1.437"]	D Flange, Machined contacts, Black Finish	Gold Plated Contacts	AC4MDZB-AU
			DIACK FIIIISII	Vertical PCB	AC4MDZVB
Married St.				Bulk Pack	AC4MDZB BULK
(213)			XLR 4 pole female, D Flange,	Standard	AC4FDZ
	p=-26.0 [1.024"]- - 4 p=-4-6.5 [.256"]	Machined contacts, Nickel Finish	Vertical PCB	AC4FDZV
	34.0 [1.2207]			Bulk Pack	AC4FDZ BULK
		DER CONTACTS PCB CONTACTS	XLR 4 pole female, D Flange,	Standard	AC4FDZB
	19.0 [.748*] = 32.0 [1.260*] = 32.0		Machined contacts, Black Finish	Gold Plated Contacts	AC4FDZB-AU
				Vertical PCB	AC4FDZVB
A STATE OF THE PARTY OF THE PAR				Bulk Pack	AC4FDZB BULK
0		19.0 7 7 7	XLR 5 pole male, D Flange,	Standard	AC5MDZ
	19.0		Machined contacts, Nickel Finish	Vertical PCB	AC5MDZV
	24.0 [.945]			Bulk Pack	AC5MDZ BULK
		ER CONTACTS PCB CONTACTS	XLR 5 pole male, D Flange,	Standard	AC5MDZB
9	-26.0 [1.024*] - 32.1	[.217"] ————————————————————————————————————	Machined contacts, Black Finish	Gold Plated Contacts	AC5MDZB-AU
			Didok i illisti	Vertical PCB	AC5MDZVB
and the same of				Bulk Pack	AC5MDZB BULK
and a			XLR 5 pole female, D Flange,	Standard	AC5FDZ
	p→ 26.0 [1.024*] p→ 6.5	[,256"]	Machined contacts, Nickel Finish	Vertical PCB	AC5FDZV
	-24.0 [-345]] -1-31.0 [1.220]			Bulk Pack	AC5FDZ BULK
		DILDER CONTACTS PCB CONTACTS	XLR 5 pole female,	Standard	AC5FDZB
		.1 [1.224"]	D Flange, Machined contacts,	Gold Plated Contacts	AC5FDZB-AU
			Black Finish	Vertical PCB	AC5FDZVB
A STATE OF THE PARTY OF THE PAR				Bulk Pack	AC5FDZB BULK

AC "Z" Series Chassis Mount

PRODUCT - FIGURE	DRAWING	Dimens	sions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
				XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC6AMDZ
	19.0	 2.7 [.106"]	5.5 [.217"]	Worker Fillion	Vertical PCB	AC6AMDZV
Carried and State of the State	24.0 [.320"]—				Bulk Pack	AC6AMDZ BULK
	31.0 [SOLDER CONTACTS	PCB CONTACTS	XLR 6A pole male, D Flange,	Standard	AC6AMDZB
9/3	26.0 [1.024"]	5.5 [.217"] - 32.1 [1.263"]	27.5 [1.083"]	Machined contacts, Black Finish	Gold Plated Contacts	AC6AMDZB-AU
				DIACK FILITSTI	Vertical PCB	AC6AMDZVB
					Bulk Pack	AC6AMDZB BULK
C TUES				XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC6AFDZ
	~26.0 [1.024"]~	6.5 [.256"]		Mickel Fillish	Vertical PCB	AC6AFDZV
4500000	PUSH 15.00	Sp			Bulk Pack	AC6AFDZ BULK
	2.24.0 [.945*]- -31.0 [1.220*]	M/II		XLR 6A pole female,	Standard	AC6AFDZB
C Care		SOLDER CONTACTS	PCB CONTACTS 22.0 [.866"]	D Flange, Machined contacts, Black Finish	Gold Plated Contacts	AC6AFDZB-AU
	19.0 [.748"]	31.1 [1.224"]	DIACK FIIIISII	Vertical PCB	AC6AFDZVB	
				Bulk Pack	AC6AFDZB BULK	
			→ 27.5 [1.083"] →	XLR 7 pole male, D Flange, Gold Plated Machined contacts,	Standard	AC7MDZ
	19.0	←2.7 [.106 "]		Nickel Finish	Vertical PCB	AC7MDZV
and the same of th	24.0 [.945"]. 31.0 [1.220"].				Bulk Pack	AC7MDZ BULK
Q.		SOLDER CONTACTS -5.5 [.217"] -32.1 [1.263"]		XLR 7 pole male, D Flange, Gold Plated Machined contacts,	Standard	AC7MDZB
				Black Finish	Vertical PCB	AC7MDZVB
agree State					Bulk Pack	AC7MDZB BULK
piest)				XLR 7 pole female, D Flange, Gold Plated Machined contacts,	Standard	AC7FDZ
	26.0 [1.024"]	-6.5 [.256"]		Nickel Finish	Vertical PCB	AC7FDZV
The state of the s	PUSH 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Bulk Pack	AC7FDZ BULK	
19.0 19.0 19.0 19.0		50 CR TO THE SOLDER CONTACTS 19.0 17.48* 32.0 [1.260*] 32.0 [1.260*]	XLR 7 pole female, D Flange, Gold Plated Machined contacts,	Standard	AC7FDZB	
	[.748*]			Black Finish	Vertical PCB	AC7FDZVB
And the second					Bulk Pack	AC7FDZB BULK

AC "Z" Series Chassis Mount



Features:

- Zinc Diecast shell.
- The P size housing is the original wide flange front mounting XLR connector. PN is the original narrow, front mounting male connector.

 • Solder Bucket connections.
- Precision Machined or Stamped contacts (3 pin only).
- Leading first mate last break socket contact.
- · Positive latch lock system.

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

Part Number Breakdown: Page 21 **Specifications: Page 22** PCB Footprints: Page 23 Panel Cutouts: Page 23

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	POLES	PART NUMBER
	(5874") -22.2 [.874"]	2.4 [.094"] SOLDER CONTACTS 32.1 [1.265"]	XLR male, Narrow flange, Machined contacts	3	AC3MMPNZ
		- 	XLR male, Narrow flange,	3	AC3MPNZ
	(H)		Stamped contacts,	4	AC4MPNZ
	(Her) (1.063°).			5	AC5MPNZ
		SOLDER CONTACTS		6	AC6AMPNZ
	⇒22.2 [.874"]⇒	32.1 [1.265"]—		7	AC7MPNZ
	27.2 [1.070"]	SOLDER CONTACTS 31.5 [1.238"]	XLR male, Wide flange, Machined contacts	3	AC3MMP
	-27.2 [1.070]→		XLR male,	3	AC3MP
8	(3.3° 1.4° 1.4° 1.4° 1.4° 1.4° 1.4° 1.4° 1.4	,	Wide flange, Stamped contacts	4	AC4MP
	26.4 [1.039"] 36.7 [1.445"]			5	AC5MP
2	SOLDER CONTACTS 16.7 16.7 16.7 16.7		6	AC6AMP	
I was		ا د 32.5 [1.278"] ما		7	AC7MP
	27.2 [1.070"]	3.5 [.138"]	XLR female,	3	AC3FPZ
Push	PUSH :		Wide flange, Stamped contacts	4	AC4FPZ
	26.4 [1.039 ⁻]			5	AC5FPZ
	AMPHENOL (1)	SOLDER CONTACTS		6	AC6AFPZ
Land Market	16.7 			7	AC7FPZ

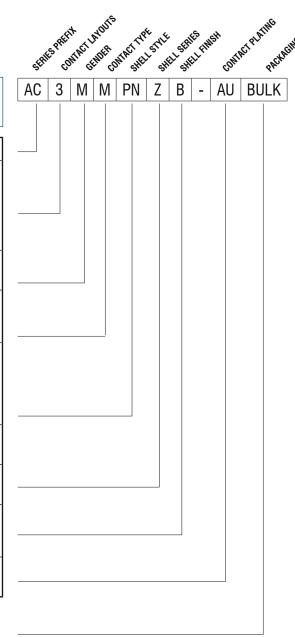
^{*}Black finish available on special request please contact factory.

METAL TYPE FLANGE

E. G. AC3MMPNZVB-AU BULK

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

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



¹4 - 7 contact connectors have machined contacts and grounding as standard. They are not available in stamped contacts.

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

³ 7 Contact is gold plated as standard.

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

STANDARD DATA AC SERIES CHASSIS - METAL "Z"

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

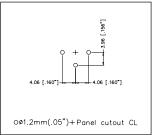
¹⁾ Not suitable for domestic applications above 50V

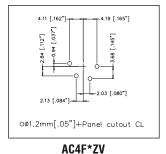
²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

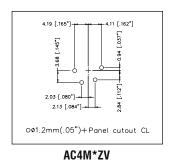
AC SERIES CHASSIS METAL "Z"

PCB FOOTPRINTS STRAIGHT (V)

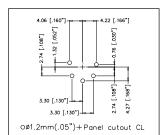
CONNECTOR SIDE OF PCB



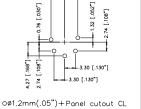


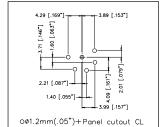




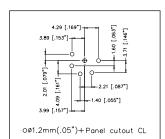




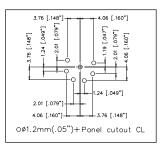




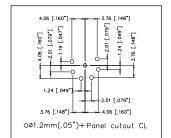
AC5F*ZV







AC6AF*ZV



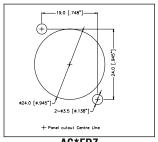
AC6AM*ZV

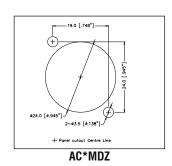
AC7F*ZV

AC7M*ZV

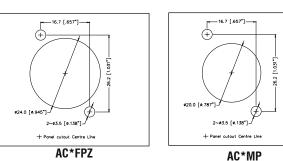
PANEL CUTOUT DIMENSIONS

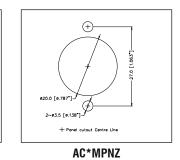
FRONT VIEW





AC*FDZ





AC Series PCB Chassis Mount



AC SERIES XLR PCB CHASSIS MOUNT CONNECTORS

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

Features

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

Options

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

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

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- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

AC Series PCB Chassis Mount (A Type)



Features:

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

 ${\bf Options:}$ Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

Part Number Breakdown: Page 32 Specifications: Page 35 PCB Footprints: Page 36 Panel Cutouts: Page 37

Recommended Fastener: Page 132

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
	25.4 [.998"]———————————————————————————————————	-19.5 [768"] -19.8 [780"] -1	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-PRE
	25.4 [.998"]———————————————————————————————————	-19.5 [768"] -19.8 [780"] -1	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAH1-AU-PRE
	25.4 [.998"] -25.4 [.998"] -27 [.106"]	-19.5 [768"] -19.8 [780"] -1	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAH2-AU-PRE
	25.4 [.998*]	19.5 [.768"]	XLR 3 pole male with integrated switch, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-SW-B
	25.4 [.998"] Ampheno 1	24.0 [.945"] 19.5 [.768"] 19.5 [.768"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAV-AU-PRE

AC Series PCB Chassis Mount (A Type)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
	25.4 [998] (mphano) (106)	24.0 [945] 19.5 [766] 19.5 [766]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAV2-AU-PRE
	25.4 [998]	24.0 [945] 19.5 [788] 19.5 [788] 27 [106]	XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
	25.4 [.996"] (PUSH) (Amphana) (2) 1 (3) 2.6 (10)	3.2 [.126"] -19.5 [.768"] -19.5 [.768"] -19.5 [.768"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-PRE
O	25.4 [.998"] (FUSH)	32 [.126"] -19.5 [.766"] -19.5 [.766"] -19.5 [.766"] -19.8 [.780"] -19.8 [.780"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAH1-AU-PRE
O	25.4 [.998"] (PUSH) (Amphana) (20) (10)	3.2 [.126"] -19.5 [.768"] -19.5 [.768"] -19.5 [.768"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-PRE
	25.4 [.996"] Amphania 2.0 1 2.0	19.5 [.768]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-PRE
10	25.4 [998*] 	19.5 [.768]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAHL1-AU-PRE
	25.4 [.998"] Amphanol	19.5 [.766]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAHL2-AU-PRE
10	2.5.3 [.998*] (PUSH) (Implant) (Implant)	3.2 [126*] 19.5 [7.68*] 24.0 [945*]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-PRE
0	2.5 [102*]	3.2 [126*] -19.5 [768*] -19.5 [768*] -24.0 [945*]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAV1-AU-PRE

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AC Series PCB Chassis Mount (A Type)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
O	25.3 [998] Push Push Push Push Push Push Push Push	3.2 [.126*] -19.8 [.779*] -19.5 [.768*] -24.0 [.945*]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAV2-AU-PRE
	25.3 [.998"]	19.5 [.768*] 19.5 [.779*] 19.5 [.779*] 19.5 [.779*] 19.5 [.779*] 19.5 [.779*]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-PRE
	25.5 [.998"] Ampharol (102"] 2.6 [.102"]	19.5 [.768"] 19.5 [.779"] 19.5 [.779"] 19.5 [.779"] 19.5 [.779"] 19.5 [.779"] 19.5 [.779"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAVL1-AU-PRE
	25.5 [.998"] Amphasol (102"] 2.6 [.102"]	19.5 [.768"] 19.5 [.779"] 19.5 [.779"] 20.5 [.779"] 21.5 [.779"] 22.5 [.779"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAVL2-AU-PRE
	25.0 [984*] Amphanol O	-19.5 [.768"]19.8 [.760"]19.5 [.768"]19.5 [.760"]	XLR 4 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC4MAH-AU-B
	19.8 [.780]	19.0 [.748*]	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
1	19.8 [.780"]	24 [.945*]	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"] 19.5 [768"] 19.5 [768"] 19.5 [768"]	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°) 1 1.082.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.2 [125"] 19.5 [.768"] 19.5 [.768"] 24 [.945"] 24 [.945"] 27.5 [1.06"]	XLR 5 pole female, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAV-AU-B

AC Series PCB Chassis Mount (B Type)



Features:

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

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

Part Number Breakdown: Page 32 Specifications: Page 35 PCB Footprints: Page 36 Panel Cutouts: Page 37 Recommended Fastener: Page 132

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	25.3 [996*]———————————————————————————————————	19.8 [780]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBH-AU-B
	25.3 [.996*] 27. [.106*]	19.5 [780]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBH1-AU-B
	25.3 [.996"] 19.5 [.766"] 27 [.106"] 3.5 [.	19.8 [.780] 19.8 [.780] 19.8 [.780]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBH2-AU-B
	25.3 [996"] 27. [106"]	138 [139]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBH3-AU-B
	25.3 [.996"]———————————————————————————————————	19.8 [780]	XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBHL-AU-B
	26.5 [996"] 27. [106"] 27. [106"]	~, -	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBV-AU-B

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AC Series PCB Chassis Mount (B Type)

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	2.7 [106] — 3.5 [138] — 3.5 [1	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBV1-AU-B
	2.7 [100"]— 2.5 [130"]— 1.5 [130"]— 2.7 [100"]— 2.7 [1	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBV2-AU-B
	25.3 [996"] 19.5 [786"] 19.5 [786"] 27 [106"] 27 [106"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBV3-AU-B
	27 (106°) 3 (138°) 35 (138°) 35 (138°) 37 (138	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBH-AU-B
	27 [106]————————————————————————————————————	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBH1-AU-B
	25.3 [996"] 19.8 [780"] 19.8 [XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3FBH2-AU-B
	25.3 [986] 19.5 [780]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBH3-AU-B
	27 [106"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBHL-AU-B

AC Series PCB Chassis Mount (B Type)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	25.3 [996*] 	19.5 [780]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBHL1-AU-B
	27 [.100*]	19.5 [780]	XLR 3 pole female, Horizontal PCB, Non- Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBHL2-AU-B
	25.5 [996"] 	19.5 [780]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBHL3-AU-B
	25.3 [.996"] -3.0 [.306"] -3.0	118]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBV-AU-B
	25.5 [1996"] - 3.0 [PUSH PUSH	118"] 1240 [345"] 135 [136"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBV1-AU-B
	25.3 [996"] -3.0 [118"] A0 [345"] 3.5 [135"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBV2-AU-B
	25.5 [996"]———————————————————————————————————	.118°] -24.0 [.945°] -25.0 [.945°] -3.5 [.140°]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBV3-AU-B
	25.5 [996"]	24.0 [345]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBVL-AU-B

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AC Series PCB Chassis Mount (B Type)

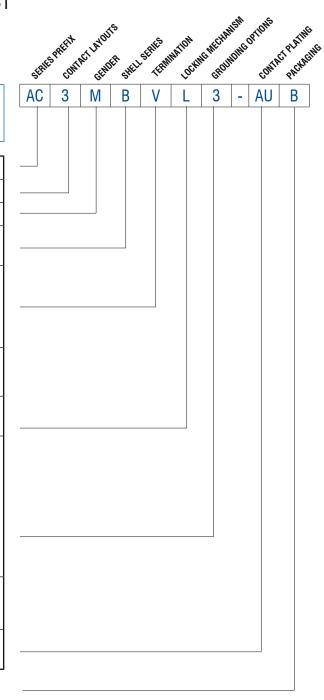
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	25.1 [996]	24.0 [.945"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC3FBVL1-AU-B
	2.7 [.106*]	3.5 [.1407]—	Mating connector shell		
	25.3 [996"] 25.3 [996"] 27. [106"]	24.0 [945]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis -Pin 1 sep. Ground.	Nickel Finish	AC3FBVL2-AU-B
	25.3 [996"] 25.3 [996"] 27 [106"]	23.6 (337) 19.8 (780°) 19.8 (780°) 3.7 [145°]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBVL3-AU-B
Pusal	19.8 [.780"]	3.2 [.125"] ————————————————————————————————————	XLR 5 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBH-AU-PRE
0	19.8 [.780*]	3.2 [.125] -19.5 [.768] -19.5 [.768] -19.	XLR 5 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBV-AU-PRE
10	19.8 [.780*]	25 [.984*] Amphanol St.	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBH-AU-PRE
10	19.8 [.780"]	24 [.945"] 25 [.984"] 36 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	XLR 5 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBV-AU-PRE

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, Latchless, 3 (Mating Shell to Pin 1 Grounding), - AU (Gold Plated Contacts), Bulk Packaged.

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

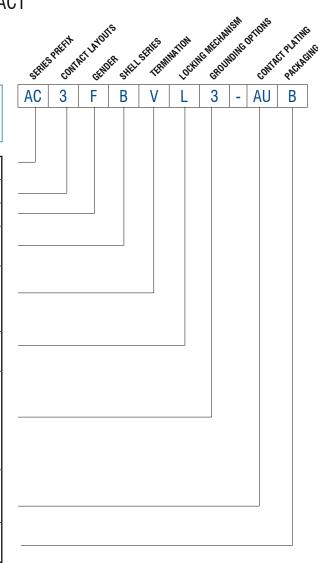


AC SERIES A AND B TYPE FEMALE - 3 CONTACT

E. G. AC3MAVL3-AU B

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

SERIES PREFIX	AC	=	Series Prefix		
CONTACT LAYOUT	3	=	3 Contact only		
GENDER	F	=	Female Socket Contacts		
SHELL SERIES	A B	=	A Type B Type		
TERMINATION	H V	=	Horizontal Printed Circuit Board Vertical Printed Circuit Board		
LOCKING MECHANISM	Blank L	=	Latching Latchless		
GROUNDING LINK OPTIONS	Blank 1 2 3	= = =	No Ground Link Pin 1 to Chassis to mating connector shell Mating Connector shell to Chassis, Pin 1 to separate ground Pin 1 to Chassis		
CONTACT PLATING	AU AG	= =	Gold Plated Contacts Silver Plated Contacts (Non-Standard)		
PACKAGING	PRE PRD	=	Bulk Packed Disassembled push latch		

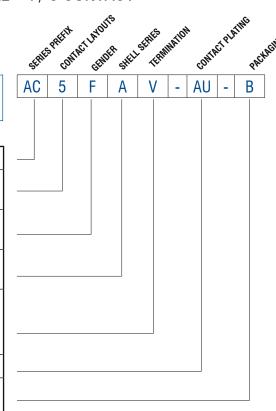


AC SERIES A AND B TYPE MALE AND FEMALE - 4 / 5 CONTACT

E. G. AC5FAV-AU-B

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

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



STANDARD DATA AC SERIES A AND B TYPE CHASSIS

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5		
CHARACTERISTICS	Contact Arrangements (Front view of pin insert)		(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	2 3 4		
	Termination		Printed Circuit Board (PCB)			
	Flammability rating of plastics		UL94V-0	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU				
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹				
	Test Voltage AC RMS	1500V				
	Current carrying capacity	6A		3A		
	Typical Contact Resistance	≤5mΩ				
	Insulation Resistance (initial)	≥2GΩ ≥1GΩ				
	Insulation Resistance (after damp heat test)					
CLIMATIC	Protection Class	IP40				
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to +167°F)		°F)		
MECHANICAL Characteristics	Weight ²	14g (0.030lb)				
	Retention Spring separating force	≥20N				
	Mounting Screw torque max.	1.5Nm				
	Mechanical Operations	1500 mating cycles				
	Fastening A Type Connectors ³	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration				
	Fastening B Type Connectors ³	Self-Tapping screw M2.5				
MATERIALS	Connector Flange - B-Type	Diecast Zinc Alloy				
	Flange Finish - B-Type	Nickel				
	Insulators	PA6.6+25% glass fibre reinforced, UL94V-0				
	Male Contact Material	Brass 0.05μm gold over 2μm nickel				
	Male Contact Plating					
	Female Contact Material	Bronze				
	Female Contact Plating	0.05μm gold over 2μm nickel				
	Latch lock and Spring	Spring Steel				
	Ground element	Spring Steel				

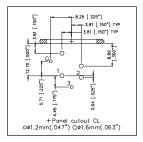
¹ Not suitable for domestic applications above 50V

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

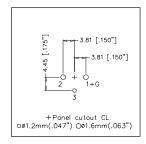
³ Refer to page 132

AC SERIES A AND B TYPE CHASSIS

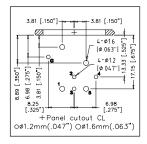
PCB FOOTPRINTS - CONNECTOR SIDE OF PCB



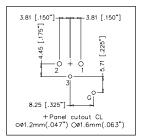
AC3FAH2 AC3FBH2



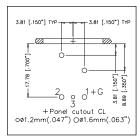
AC3FAV1 AC3FBV1 AC3FBV3 AC3FAV AC3FBV



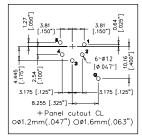
AC5FAH



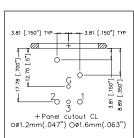
AC3FAV2 AC3FBV2



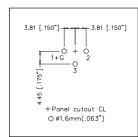
AC3MAH1
AC3MAH3
AC3MBH1
AC3MBH3
AC3MAH
AC3MBH
AC3MBHL



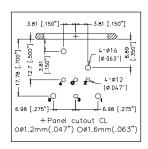
AC5FAV



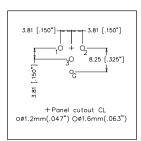
AC3MAH2 AC3MAH4 AC3MBH2



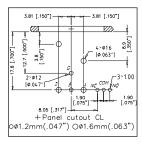
AC3MAV1 AC3MAV3 AC3MBV1 AC3MBV3 AC3MAV AC3MBV



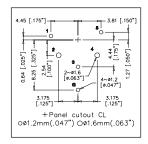
AC5MAH



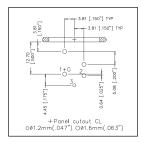
AC3MAV2 AC3MAV4 AC3MBV2



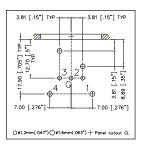
AC3MAH4SWB



AC5MAV



AC3FAH3 AC3FBH1 AC3FBH3 AC3FAH AC3FBH

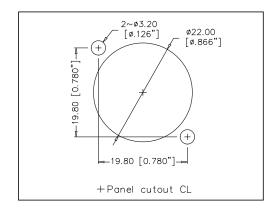


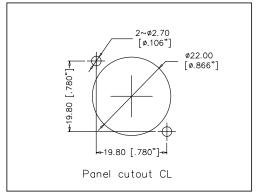
AC4MAH

AC SERIES A AND B TYPE CHASSIS

PANEL CUTOUT DIMENSIONS - FRONT VIEW

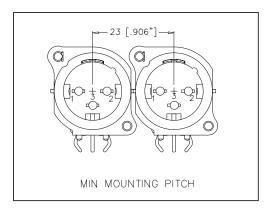
A TYPE

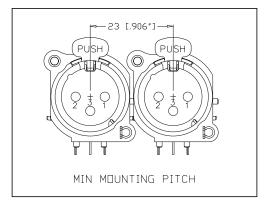




B TYPE

A AND B **TYPE MALE MOUNTING PITCH**

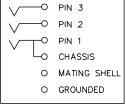


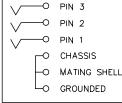


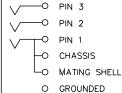
A AND **B TYPE FEMALE MOUNTING** PITCH

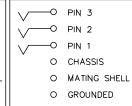
AC3FA/BH/V SCHEMATIC CHART

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





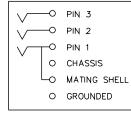


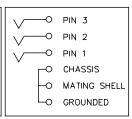


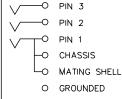
AC3MA/BH/V3-AU AC3MA/BH/VL3-AU AC3MA/BH/V2/4-AU AC3MA/BH/V1-AU

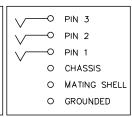
AC3MA/BH/VL2/4-AU AC3MA/BH/VL1-AU

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









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



AC SERIES DUAL 1/4" (6.35mm) / XLR

The AC Series C type chassis receptacles feature two connectors in the one space saving housing. A combined XLR female receptacle together with a 6.35mm (1/4") phone jack give the designer more flexibility ensuring premium board space is saved. The new low profile high density C type offers a 15% space saving over the traditional C type. Various configurations are available in either stereo or mono layouts with Vertical, Horizontal Printed Circuit Board or Solder contacts.

Features

- · Standard or low profile / high density shell design
- Two connectors in the one housing.
- Industry standard PCB footprint layout on standard C type.
- · Vertical or Horizontal PCB mounting.
- · Bulk packed.
- · Positive latch lock system (XLR).

Options

- · Solder contacts
- · Vertical PCB contacts
- · Horizontal PCB contacts
- Bulk Packaging
- Overmoldable connector housing

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

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

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



Features:

- Two connectors in the one housing.
 Low profile design offers a 15% space saving over the traditional design.
 Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
 Positive latch lock system (XLR).

Part Number Breakdown: Page 44 Specifications: Page 46 PCB Footprints: Page 45 Recommended Fastener: Page 132

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19 80 78 19 80 78 18 1 10 80 18 1 10 80 80 10 10 10 10 10 10 10 10 10 10 10 10 10	275 1082 SCHEMATIC CHART JACK NIR O 1 O 2 O 1 O 5	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6AH BULK
0	19 80 78 - 19 90 78 - 10	27.5 1082 SCHEMATIC CHART JACK XLR 0.5 0.3 0.2 0.7 0.6	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AHL BULK
10	79 80 781 FURSH	24 0 945 37 146 SCHEMATIC CHART JACK XLR CONTINUE C	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2 BULK
	980 781 1980 1980 1980 1980 1980 1980 1980 1980 1980 1980 1	24.0 94.5 3.7 14.6 SCHEMATIC CHART JACK XLR	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AV2L BULK
	1980 78 - 1980 08 1980	275 1082 SCHEMATIC CHART JACK XLR 35 0 3 0 2 86 0 1 87 0 6 27 106	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AH BULK
0	19 80 781- 19 80 781- 10	275 1082 SCHEMATIC CHART JACK XLR 38	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AHL BULK

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

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19 80 [78] (PURRY) 18 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	24.0 94.5 SCHEMATIC CHART JACK XLR SALE MATIC CHART	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
10	980 78 -19 80 78 -19 80 78 -25 3 996	37 146 SCHEMATIC (HART JACK XIR SCHEMATIC (HART JACK XIR SIN) 3 3 3 3 3 3 3 3 3 3	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
	1980 78] - 1980	27.5 [1082] SCHEMATIC CHART JACK XLR 35. 0 3 0 2 85. 0 1 0 0 0 0 0 0 0	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10AH BULK
6	-19.80 78] -19.80 78] -19.8	27.5 1082 SCHEMATIC CHART JACK XLR 38 0 2 88 0 1 88 0 1 9 0 9N	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10AHL BULK
	75 80 78) 1980 78) 1980 78) 1980 78) 1980 78) 1980 78) 1980 78) 1980 78)	37 [16.6] SCHEMATIC CHART XLR	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10AV2 BULK
10	19 80 78 19 80 78	24.0 945	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10AV2L BULK

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



Features:

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

Part Number Breakdown: Page 44 Specifications: Page 46 PCB Footprints: Page 45 Recommended Fastener: Page 132

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1663] 20 [767] 10 [394] 10 [394]	24 [945"] 10.6 SCHEMATIC CHART SCHEMATIC CHA	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
	27 (1.65°) 20 (.78°) 10 (.394°)	24 [945"] SCHEMATIC CHART 1405 M.8 O S O S O 2 O 1 O 1 O 7 7 [276"]	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
	27 [1083] -22 [1787] -22 [1787] -23 [1787] -23 [1787] -24 [1787] -25 [17	24 [345] 10.6 5 [136] SCHEMATIC CHART 447 SCHEMATIC CHART 405 0 3 0 2 0 1 0 1 0 6	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
6	22 [1.65.5] 22 [1.65.5] 10 [.394*]	\$ [.945] SCHEMATIC CHART S	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 (1005) 20 (207) (1005) (1006) (24 [945] 10.6 5 [177] SCHEMATIC CHART 4MOS 24.8 0 3 0 2 0 1 0 6	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
	27 [1063] 20 [787] 10 [.394]	24 [945"] SCHEMATIC CHART S	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK

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

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.083] -20 [237] -20 [237]	24 [945*] 10.6 SCHEMATIC CHART ACC XAR O S O 2 O T O 6	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
	27 [1.0637] 20 [.7877] [.887] [.887] [.887] [.887] [.887] [.887]	SCHEMATIC CHART AGE AGE SCHEMATIC CHART AGE AGE AGE SCHEMATIC CHART AGE AGE AGE AGE AGE AGE AGE AG	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 [1:087] -20 [7:07] -20 [24 [946*] 10.6 SCHEMATIC CHART 3.5 [138*] 44177 SCHEMATIC CHART 3.5 [138*] 40.5 S.E. 3.5 [138*] 5.5 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.7 0.6 0.7	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
	27 [1.065] 20 [7.07] 20 [7.07] 10 [394]	24 [945] 35 [138] SCHEMATIC CHART AGG MR OS S OS S OR O1 OT O6	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 [1083] -20 [787] -20 [787] -20 [787] -20 [787] -20 [787]	24 [945*] 10.6 4.5 [177*] 40.8 34.8	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
	27 [1.065] 27 [1.065] 20 [7.97] 10 [.394*]	24 [[946"] SCHEMATIC CHART 45 [177"] SCHEMATIC CHART 460	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
	27 [1083] -20 [207] -20 [207]	24 [945"] 10.6 SCHEMATIC CHART 40.2 X4.5	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	27 [1.065] 27 [1.065] 20 [7.07] 10 [394] 10 [394]	SCHEMATIC CHART AGE AGE AGE AGE AGE AGE AGE AG	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

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

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1 063"] 20 [187"] (10 [187] (10 [187]	24 [945] 10.6 SOHEMATIC CHART 465 MS 0 3 SOHEMATIC CHART 7 SOHEMAT	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
	27 [1.063] 20 [.787] 10 [.394]	24 [945] -3.5 [138] SCHEMATIC. CHART 402 318 0 2 0 8 0 1 7 [276]	XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
	27 (1 063 Y) - 20 (178 Y) - 20	24 [945] 10.6 SCHEMATIC CHART 4ACS 84.5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
10	27 (1.065°) 20 [.787°] 10 [.394°]	24 [945] 4.5 [177] SCHEMATIC CHART 4.5 [177] AGC MR O SN O 2 SN O 2 SN O 1 N O 6 N O 6	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
	27 (1.065') 20 (287') 20 (287') 20 (287') 20 (287') 20 (287') 21 (287') 22 (287') 23 (287') 24 (287') 25 (287') 26 (287') 27 (1.065') 28 (287') 29 (287') 20	10.6 10	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
	27 [1.063] -20 [1/87] -20 [1/8] -20	SCHEMATIC CHART ACC MR O 3 O 2 N O 1 N O 0 T (276)	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10HL BULK
	27 [1003"] 20 [207] (1004) 10 [394"]	10.6 SCHEMATIC CHART SCHEM	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
	27 [1.063"] -20 [.787"] -20 [24 [945] 45 [177] SCHEMATIC CHART 46S SLE O S O S O C N O N O N O N O N O N O N	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

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

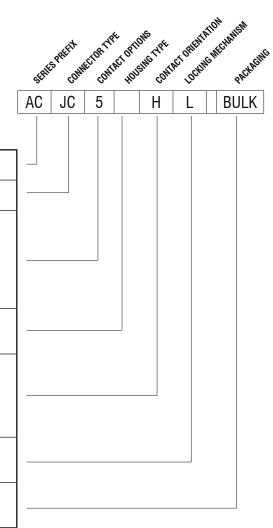
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
10	27 [1.05.7] 20 [.787] 20 [.787]	24 [945] 10.6 A.5 [177] 30.6 SCHMARC CHARI ACC VIR CON	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
	27 (1.05x*) 20 (7.97*) 10 (7.94*) 10 (7.94*)	24 [945] A5 [1777] SCHEMATIC CHART ACS MR OS N OS	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC10SL BULK

PART NUMBER BREAKDOWN

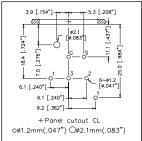
AC SERIES THERMOPLASTIC C TYPE

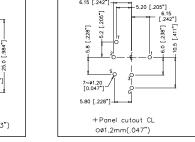
E. G. ACJC5HL BULK
AC (Series Prefix), JC Jack/Connector XLR, 5 Mono, Horizontal Printed Circuit Board, Latchless, Bulk Packaged.

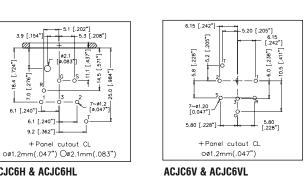
SERIES PREFIX	AC =	:	Series Prefix
CONNECTOR TYPE	JC =		Jack / Connector XLR
CONTACT OPTIONS	5 = 6 = 9 = 10 =	:	Mono, Non Switching, XLR Grounded Stereo, Non Switching, XLR Grounded Stereo, Switching, XLR Grounded Stereo, Switching, XLR with Ground Switch
HOUSING TYPE	Blank = A =		Standard Low Profile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



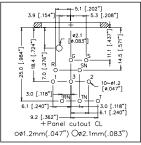
AC SERIES C TYPE SERIES



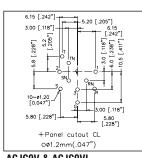








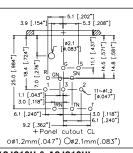
ACJC5V & ACJC5VL



ACJC6H & ACJC6HL

6.1 [.240"

9.2 [.362"]

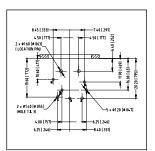


6.15 [.242*] 3.00 [.118"]-5.2 -.5.0 [.118"], 6.0 [.238"] 10.5 [.411"], .228 5.8 3.00 [.118*]

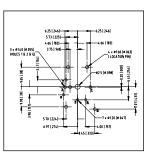
+Panel cutout CL

0ø1.2mm(.047")

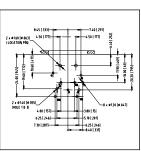
ACJC9H & ACJC9HL



ACJC9V & ACJC9VL

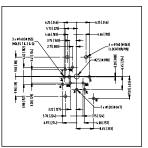


ACJC10H & ACJC10HL

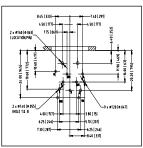


ACJC10V & ACJC10VL

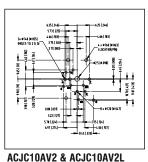
5.80 [.228*]-



ACJC6AH & ACJC6AHL



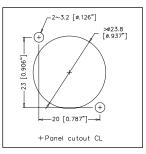
ACJC6AV2 & ACJC6AV2L



ACJC9AH & ACJC9AHL

ACJC9AV2 & ACJC9AV2L

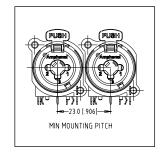
ACJC10AH & ACJC10AHL



MIN MOUNTING PITCH

19.80 [.780] 780 Ø22.0 [Ø.866] 19.80 Ø3.2 [Ø.126] 2 HOLES PANEL CUT OUT

C TYPE LOW PROFILE PANEL CUTOUT



C TYPE LOW PROFILE MOUNTING PITCH

C TYPE PANEL CUTOUT

C TYPE MOUNTING PITCH

STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VAI	.UE		
		LOW PROFILE TYPE	STANDARD C TYPE		
GENERAL Characteristics	Number of contacts	5, 6, 9	or 10		
CHANACIENISTICS	Termination	Printed Circuit Board (PCB)	Printed Circuit Board (PCB) or Solder Bucket		
	Flammability	UL 9	94HB		
	Environmental	Complies with EU RoHS	2 Directive 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	50	V		
CHARACIERISTICS	Test Voltage AC RMS	150	00V		
	Current carrying capacity	7.	5A		
	Typical Contact Resistance	≤50	mΩ		
	Insulation Resistance (initial)	> 0.	5GΩ		
	Insulation Resistance (after damp heat test)	> 0.1	2GΩ		
CLIMATIC	Protection Class	IP40			
CHARACTERISTICS	Operating Temperature	-25°C to +70°C			
MECHANICAL Characteristics	Weight**	9.2g (0.02lb)	14g (0.030lb)		
CHARACIERISTICS	Retention Spring separating force	≥20N			
	Mounting Screw torque max.	1.5Nm			
	Mechanical Operations	1500 ma	ting cycles		
	Fastening***	Self-Tapping PT screw with thread 2.9	x 1.06 and of Tri-rondular configuration		
MATERIALS	Connector Shell Shell Finish	PA6.6 + 30% glass fibre reinforced, UL94HB	PA6.6 + 20% glass fibre reinforced, UL94HB Black		
	Insulators	PA6.6 glass fibre reinforced, UL94HB	PA6.6 + 20% glass fibre reinforced, UL94HB		
	XLR Contact				
	Material	Bronze			
	Plating	Gold over Nickel plated			
	Jack Contact				
	Material	Bronze	Brass		
	Plating	Gold over Nickel plated	Silver over Copper plated		
	Latch lock and Spring	Nicke	el Plated		
	Ground element	Nickel Plated	Silver over Copper plated		

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

^{***}Refer to Page 132

G-Type Miniature XLR Connectors



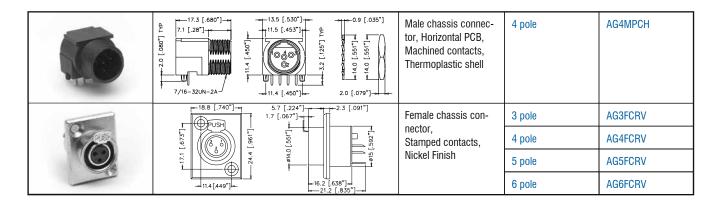
Features:

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

Part Number Breakdown: Page 48 PCB Footprints: Page 50 Specifications: Page 49 Panel Cutouts: Page 50

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	1		Male cable connector,	3 pole	AG3M
1	(413)		Machined contacts, Nickel Finish	4 pole	AG4M
	ý .			5 pole	AG5M
	H-	——52 [2.055 "]—————		6 pole	AG6M
			Female cable con-	3 pole	AG3F
Ca.	910.5 [.413]		nector, Stamped contacts,	4 pole	AG4F
-		40.5 [1.596"] Nickel Finish 5 pole			AG5F
		49 [1.910"]————		6 pole	AG6F
	9 [.33	6 [1.398"]————————————————————————————————————	Female cable connec-	3 pole	AG3FL
9	12.9 [508]		tor with locking ring, Stamped contacts,	4 pole	AG4FL
(Co			Nickel Finish.	5 pole	AG5FL
30	16 [.634"]—	49 [1.929"]———		6 pole	AG6FL
War .	1.0 [.039"]————————————————————————————————————	Male chassis connector, Machined contacts,	3 pole	AG3MCC	
			4 pole	AG4MCC	
	7/16"-35		Nickel Finish	5 pole	AG5MCC
	2.0 [.079"]	17.8 [.701"]— 3 pole		6 pole	AG6MCC
PINE	22.1 [.870"] 2.5 [.098"] 1.0 2.0 [.079"] 2.0 [.079"] 2.0 [.079"] 2.0 [.079"]		Female chassis connector, Stamped contacts, Nickel Finish	3 pole	AG3FCE
				4 pole	AG4FCE
Common Co				5 pole	AG5FCE
				6 pole	AG6FCE
	26.8 [1.056*]	-15.5 [.610"]	Male chassis	3 pole	AG3MCCH
		3.9 [.154] TVP	connector, Horizontal PCB,	4 pole	AG4MCCH
	2.5 [.0981]	3.9 [.1]	Machined contacts, Nickel Finish	5 pole	AG5MCCH
	19.9 [.785*]	2.0 [.079*]	MICKEI FIIIISII	6 pole	AG6MCCH
012	28.3 [1.114"] 2.5 [.098"]— 8.4 [.333"]—	1.0 [.079"]	Female chassis	3 pole	AG3FCCH
		PUSH	connector, Horizontal PCB,	4 pole	AG4FCCH
	146 [575]	-18.1 [.71.5"] -4.0 [.15.7]	Stamped contacts, Nickel Finish	5 pole	AG5FCCH
		2.0		6 pole	AG6FCCH

G-Type Miniature XLR Connectors

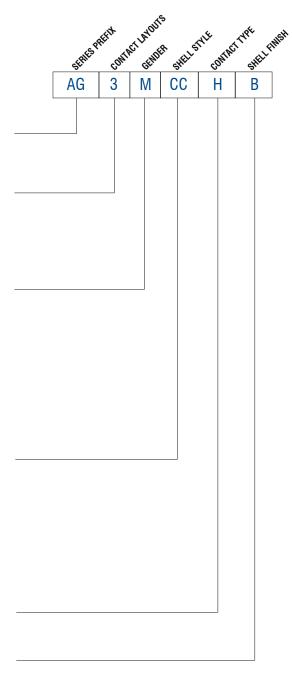


PART NUMBER BREAKDOWN

G TYPE CONNECTORS

E. G. AG3MCCHB AG (Series Prefix), 3 contacts, Male, Chassis Connector, Horizontal PCB Contacts, 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
	М	=	Male Pin Contacts
	Blank	=	Cable Connector Standard (Male or Female)
SHELL STYLE	J	=	Cable Connector Large Cable clamp / boot O.D (Male or Female)
	L	=	Cable Connector with locking ring (Female)
	LL	=	Latchless (Chassis Connector)
	CC	=	Chassis Connector Circular Metal (Male)
	CE	=	Rear Mount (Chassis Connector)
	CM	=	Mid Mount (Chassis Connector)
	CR	=	Chassis Connector Rectangular Metal (Female)
	PC	=	Chassis Connector Plastic (Male)
	Blank	=	Solder Buckets (All styles except PC, CR)
CONTACT TYPE	Н	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
	Blank	=	Nickel Plated Finish
SHELL FINISH	В	=	Black Finish



STANDARD DATA G TYPE

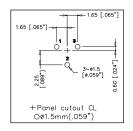
		[VA	LUE			
GENERAL	Number of C	ontacts	3	4	5	6		
CHARACTERISTICS	Termination		Printed Circuit Board (PCB) or Solder Bucket					
Max. Wire Gauge - Stranded Wir		auge - Stranded Wire		AWG 24 - 0.5mm ²		AWG 28 - 0.38mm ²		
	Flammability			ULS	4V-HB			
	Environment	al		Complies with EU RoH	S 2 Directive 2011/65/EU			
ELECTRICAL	Current Carr	ying Capacity	5A	5A	4A	1.2A		
CHARACTERISTICS	Typical Cont	act Resistance		≤*	l0mΩ			
	Insulation resistance (initial) After Damp Heat Test				10MΩ I0MΩ			
	Dielectric Str	rength		1000 V dc		250 V dc		
CLIMATIC	Protection C	ass		I	P00			
CHARACTERISTICS	Operating Temperature		-30°C to +80°C (-20F - +176F)					
MECHANICAL	Insertion Spring Separating Force		≥20N					
CHARACTERISTICS	Cable O.D. Standard		2mm to 3.5mm (0.078" to 0.137")					
		Large clamp / boot (Option "J")		3mm to 5mm (0.118" to 0.196")				
	Mechanical (Operations	5000 mating cycles 2000 mati			2000 mating cycles		
	Weight		13.5g (0.029lb)					
MATERIALS	Connector S	hell	Bronze & Zinc					
	Connector S	hell Finish	Nickel Plated					
	Insulators		PPS - Black					
	Male Contac	t	Material - Brass C3604 Plating - Gold over Silver Plated					
	Female Contact		Material - Brass C5210P Plating - Gold over Silver Plated					
	Latch Lock and Spring Adaptor		SUS (AISI - 301) - Nickel Plated					
			PPS - Black					
	Cable Clamp		Bronze - Nickel Plated					
	Boot/Backsh	ell		ABS	- Black			
	Grommet		PU - Black					

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

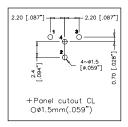
G-Type Miniature XLR Connectors

PANEL CUTOUTS

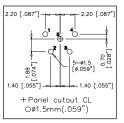
- CONNECTOR SIDE OF PCB



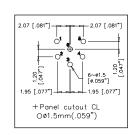
AG3MCC



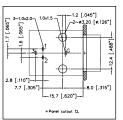
AG4MCC



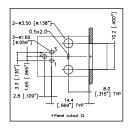
AG5MCC



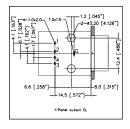
AG6MCC



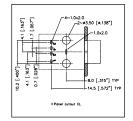
AG3FCCH



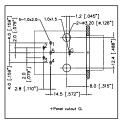
AG3MCCH



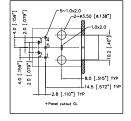
AG4FCCH



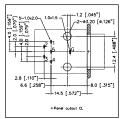
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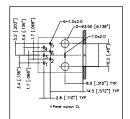
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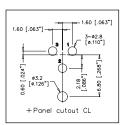
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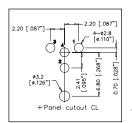
AG6FCCH



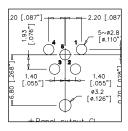
AG6MCCH



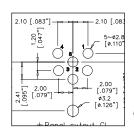
AG3FCRV



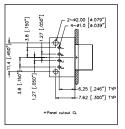
AG4FCRV



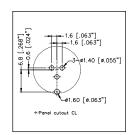
AG5FCRV



AG6FCRV

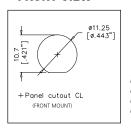


AG4MPCH

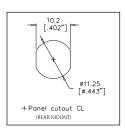


AG3FCE

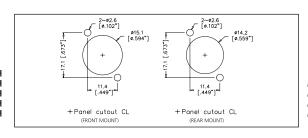
PANEL CUTOUTS - FRONT VIEW



AG3MCC AG4MCC AG5MCC AG6MCC



AG3MCCH AG4MCCH AG5MCCH AG6MCCH AG4MPCH



AG3FCRV AG4FCRV AG5FCRV AG6FCRV

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.

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.





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