

















ENTERTAINMENT INTERCONNECT CATALOGUE



Amphenol Australia Pty. Ltd.

Amphenol Australia's head office is based in Melbourne, Victoria and is the Sales, Marketing and Engineering centre of excellence for an extensive range of professional connector and cabling products.

Amphenol's global presence allows us to take full advantage of our numerous corporate resources and product portfolio to provide you with a vast offering and choice. Our extensive range is designed to meet the specific needs of the entertainment markets to make the selection of your interconnect partner an easy choice.

The company has been producing products for the pro-audio industry for over fifty years. Since the development of our XLR AC Series connectors, we have continued to provide our customers with exacting quality in an increasingly competitive environment.

Continuous improvement through ISO9001, a focus on environmental awareness and development of next generation industry leading products is our philosophy. As the entertainment industry moves into the future the emerging technologies from other industries has become more prevalent and more challenging. Amphenol Australia's global presence combined with its close technical relationships with other Amphenol sister divisions, each a specialist and leader in their own interconnect field, places it well to support innovation and meet this challenge head on.

The ability of Amphenol to provide a full range of design services required to support the customers applications design and modelling, applications engineering, fabrication, value-added assembly and testing, coupled with the largest interconnect offering on the market means that we can support all of your system level needs.

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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.
- 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.
- 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 Di	imensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	T		XLR 3 pole male Machined contacts Nickel Finish	Standard	AX3M
				Bulk Pack	AX3M BULK
	71 - 74 [2	2.80-2.90"]	XLR 3 pole male Machined contacts	Standard	AX3MB
6/10	619 [0.744]	ш	Black Finish	Gold Plated Contacts	AX3MB-AU
3	Amphanol		Bulk Pack	AX3MB BULK	
	71 - 74 [2.80-2.90"]	XLR 3 pole female Stamped contacts Nickel Finish	Standard	AX3F	
			Bulk Pack	AX3F BULK	
	71 - 74 [2.90-2.90"]	XLR 3 pole female Stamped contacts Black Finish	Standard	AX3FB	
The state of the s			Gold Plated Contacts	AX3FB-AU	
		Bulk Pack	AX3FB BULK		
	71 - 74 [2.80-2.90"] Ousequality Ousequality	XLR 4 pole male Machined contacts Nickel Finish	Standard	AX4M	
			Bulk Pack	AX4M BULK	

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

AX Series Cable Connectors

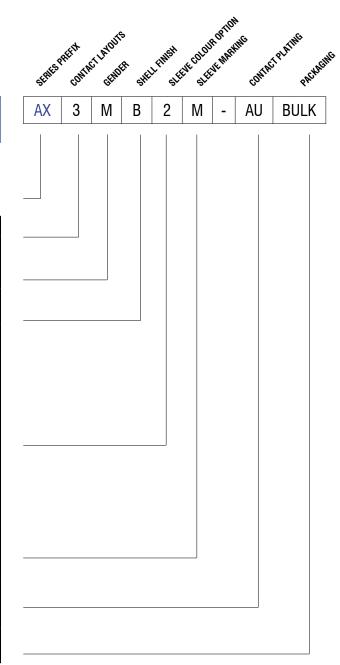
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	71 - 74 [2.80-2.90"]		XLR 4 pole male Machined contacts Black Finish	Standard	AX4MB
	913 [0.744]	Gold Plated Contacts		AX4MB-AU	
	Wingshand of Mingshand of Mings				
	<u> </u>			Bulk Pack	AX4MB BULK
Ø15.7 [0.618"]		71 - 74 [2.80-2.90"]	XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
				Bulk Pack	AX4F BULK
	L.813	——71 - 74 [2.80-2.90"]——— <u>~</u>	XLR 4 pole female Machined contacts	Standard	AX4FB
	915.7 [0.6187]		Black Finish	Gold Plated Contacts	AX4FB-AU
				Bulk Pack	AX4FB BULK
71 - 74 [2.80-2.90"]— 1-74 [2.80-2.90"]— 2-71 - 74 [2.80-2.90"]—	[0.744]		XLR 5 pole male Machined contacts Nickel Finish	Standard	AX5M
	Amphanol		Bulk Pack	AX5M BULK	
	F -	71 - 74 [2.80-2.90"]	XLR 5 pole male Machined contacts	Standard	AX5MB
1	0019 [0.7447]	Black Finish	Gold Plated Contacts	AX5MB-AU	
	**************************************	Amphenol		Bulk Pack	AX5MB BULK
	Ø15.7 [0.6.187]	71 - 74 [2.80-2.90"]	XLR 5 pole female Machined contacts Nickel Finish	Standard	AX5F
		Bulk Pack	AX5F BULK		
	71 - 74 [2.80-2.90"]	XLR 5 pole female	Standard	AX5FB	
		Machined contacts Black Finish	Gold Plated Contacts	AX5FB-AU	
				Bulk Pack	AX5FB BULK

PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

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

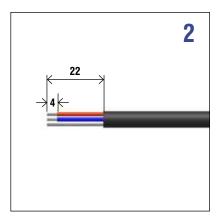
SERIES PREFIX	AX	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
GENDER	F	=	Female Socket Contacts
	М	=	Male Pin Contacts
SHELL FINISH	Blank	=	Nickel Plated Finish
	В	=	Black Finish
SLEEVE COLOUR	Blank	=	Black
OPTION	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green
	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.



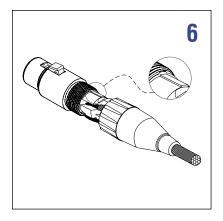
Install the cable clamp, flush to the insert making sure to align the top slot with the spring. Then push the insert & cable clamp together into the shell.



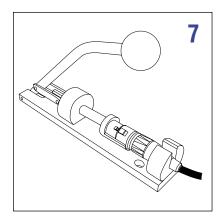
Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

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.

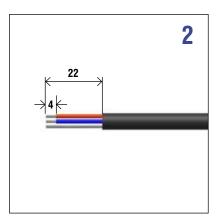


Final assembly can be achieved either by manually screwing the boot on, or by using an Amphenol Australia T2860 termination tool.

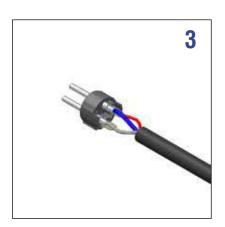
AX Series Cable Connectors



Slide the nut (Backshell) onto the cable



Strip the cable



Solder the wires to the contacts.

PI538 ASSEMBLY INSTRUCTIONS

AX SERIES MALE XLR CABLE CONNECTOR



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



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



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

STANDARD DATA AX SERIES CABLE CONNECTORS

		VALUE				
GENERAL	Number of contacts	3	4	5		
CHARACTERISTICS	AX Series Contact Arrangements (Front view of pin inserts)	1	(1 4 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2 3 4		
	Termination		SOLDER			
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG		
	Flammability rating of insulator plastics and housings		UL94V-0			
	Environmental	Complie	es with EU RoHS 2 Directive 201	1/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS		133V 1)			
CHARACTERISTICS	Test Voltage AC RMS		1400V			
	Current carrying capacity: Solder	15A	10A	7.5A		
	Typicial Contact Resistance		≤3m Ω			
	Insulation Resistance		≥1G Ω			
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
CHANACIENIOTICS	Operating Temperature	-2	25°C to +75°C (-13°F to -167°	PF)		
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 to 100lb) - Dependent on cable material and diameter.				
	Cable O.D. range	;	3mm to 8mm (0.118" to 0.314"	")		
	Mechanical Operations		1000 mating cycles			
MATERIALS	Connector shell - Metal Shell finish		Diecast Zinc Alloy Satin nickel or Black			
	Insulators	UL94V-0 PA66, 30% Glass Filled				
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Santoprene Black, other colours available - see page 80				
	Cable clamp		Noryl N190			
	Sleeve		Noryl N190			
	Male Contact Machined - Solder / Plating		Brass / Silver or Gold (Optional)			
	Female Contact Stamped - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional)				

¹⁾ Not suitable for domestic applications above 50V

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



AC SERIES XLR CABLE CONNECTORS

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

Features

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

Options

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

Jaws Cable Clamp Options



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



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

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- 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 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*] 0		daws cable diamp	Bulk Pack	AC3MM BULK
	₩	—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*] Ø19.0 [0.748*]	XLR 3 pole male, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3M	
8			Large Cable Clamp	AC3MJ	
•				Bulk Pack	AC3M BULK
	82.0 [3.228*] Ø19.0 [0.748*]	XLR 3 pole male, Stamped contacts, Black Finish, Jaws cable clamp	Standard	AC3MB	
			Gold Plated Contacts	AC3MB-AU	
			Large Cable Clamp	AC3MBJ	
			Bulk Pack	AC3MB BULK	
		—82.0 [3.228*]————	XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3F
	ø19.0 [.748″]	Jaws Cable Clamp	Large Cable Clamp	AC3FJ	
			Bulk Pack	AC3F BULK	
	Ø19.0 [.748"]	XLR 3 pole female, Stamped contacts, Black Finish, Jaws cable clamp	Standard	AC3FB	
			Gold Plated Contacts	AC3FB-AU	
			Large Cable Clamp	AC3FBJ	
	¥ — — — — — — — — — — — — — — — — — — —			Bulk Pack	AC3FB BULK

10

AC Series Cable Connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	82.0 [3.228"]		XLR 4 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4M
	ø1 ⁹ .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
	1		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC4MB-AU
	ø19.0 [0.748″]		Jaws Cable Clamp	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
		5		Bulk Pack	AC4F BULK
	Ø19.0 [.748*]	—82.0 [3.228″] —— ⊶	XLR 4 pole female, Machined contacts,	Standard	AC4FB
The second			Black Finish, Jaws cable clamp	Gold Plated Contacts	AC4FB-AU
				Large Cable Clamp	AC4FBJ
4				Bulk Pack	AC4FB BULK
	82.0 [3.228*] Ø19.0 [0.748*]	—82.0 [3.228*]	XLR 5 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5M
				Large Cable Clamp	AC5MJ
				Bulk Pack	AC5M BULK
_	8	—82.0 [3.228″]——⊶	XLR 5 pole male, Machined contacts,	Standard	AC5MB
	<u> </u>		Black Finish, Jaws cable clamp	Gold Plated Contacts	AC5MB-AU
	Ø19.0 [0.748″] 0		daws cable clamp	Large Cable Clamp	AC5MBJ
,	<u>.</u>			Bulk Pack	AC5MB BULK
		—82.0 [3.228 [*]]	XLR 5 pole female, Machined contacts, Nickel Finish,	Standard	AC5F
	ø19.0 [.748"]		Jaws cable clamp	Large Cable Clamp	AC5FJ
				Bulk Pack	AC5F BULK
	⊳ ——	—82.0 [3.228″]—— □	XLR 5 pole female,	Standard	AC5FB
			Machined contacts, Black Finish, Jaws cable clamp	Gold Plated Contacts	AC5FB-AU
	ø19.0 [.748″]		Jawa Janie Giailip	Large Cable Clamp	AC5FBJ
				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> </u>			Bulk Pack	AC6AM BULK
	<u></u>	—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″]		Jawa Cabic Clamp	Large Cable Clamp	AC6AMBJ
	<u> </u>			Bulk Pack	AC6AMB BULK
		—82.0 [3.228*]————	XLR 6A pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AF
	ø19.0 [.748″]		Jaws cable clamp	Large Cable Clamp	AC6AFJ
				Bulk Pack	AC6AF BULK
	82.0 [3.228" Ø19.0 [.748"]		XLR 6A pole female, Machined contacts,	Standard	AC6AFB
			Black Finish, Jaws cable clamp	Gold Plated Contacts	AC6AFB-AU
				Large Cable Clamp	AC6AFBJ
				Bulk Pack	AC6AFB BULK
	82.0 [3.228*] Ø19.0 [0.748*]	—82.0 [3.228*]—— —	XLR 7 pole male, Gold plated Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC7M
				Large Cable Clamp	AC7MJ
				Bulk Pack	AC7M BULK
			XLR 7 pole male,	Standard	AC7MB
4		82.0 [3.228"]	Gold plated Machined contacts,	Staridard	THO THIS
	ø19.0 [0.748″]		Black Finish, Jaws cable clamp	Large Cable Clamp	AC7MBJ
	<u> </u>			Bulk Pack	AC7MB BULK
		00.0.50.000#1	XLR 7 pole female,	Standard	AC7F
		82.0 [3.228"]	Gold plated Machined contacts,		
	ø19.0 [.748"]		Nickel Finish, Jaws cable clamp	Large Cable Clamp	AC7FJ
				Bulk Pack	AC7F BULK
	<u></u>	Q2_0 [3_220#1~	XLR 7 pole female, Gold plated	Standard	AC7FB
	82.0 [3.228"]		Machined contacts,		
	Ø19.0 [.748"]	Black Finish, Jaws cable clamp	Large Cable Clamp	AC7FBJ	
				Bulk Pack	AC7FB BULK

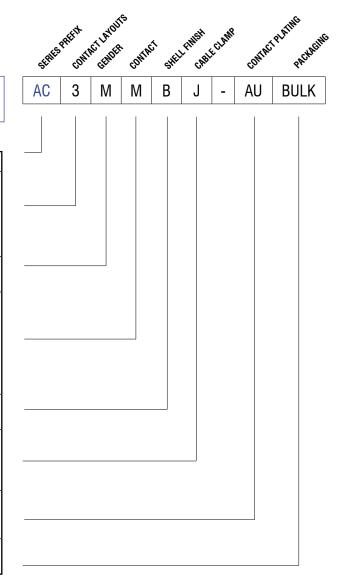
PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

E. G. AC3MMBJ-AU BULK

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

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
	7	=	7 Contacts
GENDER	F	=	Female Socket Contacts
	М	=	Male Pin Contacts
CONTACT1	Blank	=	Stamped Contacts
	М	=	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
			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		,
CONTACT PLATINGS	אוומומ	=	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 135 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
	A	82.0 [3.228*]	XLR 3 pole male, Machined contacts, Thermoplastic shell, Jaws cable clamp	Standard	АСЗММСР
9	Ø19.0 [0.748*]	ORIGINATION		Bulk Pack	AC3MMCP BULK
		—82.0 [3.228"]———————————————————————————————————	XLR 3 pole male, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MCP
	ø19.0 [0.748*]	Умалненос		Bulk Pack	AC3MCP BULK
		—82.0 [3.228"]————	XLR 3 pole female, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3FCP
	ø19.0 [0.748*]	TONESHARW		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		1	(a) 4 (b) 2 a)	1 5 6 2 3 4 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0 6 5 2 3 4	1 7 6 2 3 5 3 4	
	Termination				SOLDER			
	Max. Wire Gauge - S	tranded wire: Solder	14AWG	16AWG	18/	AWG	20AWG	
	Flammability rating (insul	ator plastics & housings)			UL94V-0			
	Environmental			Complies with	EU RoHS 2 Directi	ve 2011/65/EU		
ELECTRICAL	Service Voltage RM	S			133V ¹			
CHARACTERISTICS	Test Voltage AC RM	S			1400V			
	Current carrying cap	pacity: Solder	15A	10A	7.	5A	5A	
	Typical Contact Res	istance			≤3mΩ		•	
	Insulation Resistanc	е			≥1GΩ			
CLIMATIC	Protection Class				IP40			
CHARACTERISTICS	Operating Temperate	ıre	-25°C to +75°C (-13°F to +167°F)					
MECHANICAL	Insertion and Withdrawal force		≥10N - ≤30N					
CHARACTERISTICS	Weight - Metal ²		36g (0.080lb)	37g (0.081lb)	38g (0.083lb)			
	Weight - Thermopla	stic ²	18g 19g 20g (0.039lb) (0.041lb) (0.044lb)					
	Typical Cable retenti	on force	22Kg to 44Kg (50lb to 100lb) - Dependent on cable material and diameter.					
	Cable O.D. range - JAWS clamp	Standard Large			6.5mm (0.118" to to 8mm (0.255" to			
	Mechanical Operation	ons			1000 mating cycles	S		
MATERIALS	Connector shell - M Shell finish	etal	Diecast Zinc Alloy Satin nickel or Bla					
	Connector shell - The 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 135					
	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.

Chassis Mount



XLR METAL CHASSIS MOUNT CONNECTORS

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

Features

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

Options

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

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

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

Ordering Codes

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

Simple steps to guide you in using this catalogue

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

AX Series 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.
- Precision machined or Stamped contacts (3 pin only).
 Leading first mate last break socket contact.
- · Positive latch lock system.
- M3 threaded holes (Optional).

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

Part Number Breakdown: Page 20

Specifications: Page 26

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
3		XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard M3 Threaded Holes	AX3MD AX3MD-M3
			Vertical PCB	AX3MDV
	-26.0 [1.024]3.0 [0.118]3.1 [1.222]3.0 [0.118]		M3 Threaded Holes	AX3MDV-M3
	1.220] 1.220] 1.220] 1.245] 1.245] 1.245]	XLR 3 pole male, D Flange,	Standard	AX3MDB
	31.0 [1.220]	Machined contacts, Black Finish	M3 Threaded Holes	AX3MDB-M3
	9.5 SOLDER CONTACTS PCB CONTACTS PCB CONTACTS 24.45 [0.963]		Gold Plated Contacts	AX3MDB-AU
			Vertical PCB	AX3MDVB
			M3 Threaded Holes	AX3MDVB-M3
		XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AX3FD
	26.0 [1.024]6.3 [0.248] - 30.5 [1.200] - 2.0 [0.079] - 2.5 [0.098]		M3 Threaded Holes	AX3FD-M3
(alasi)		XLR 3 pole female,	Standard	AX3FDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.45 [0.963]	D Flange, Stamped contacts, Black Finish	M3 Threaded Holes	AX3FDB-M3
C.			Gold Plated Contacts	AX3FDB-AU

AX Series Chassis Mount

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
		XLR 4 pole male,	Standard	AX4MD
3		D Flange, Machined contacts, Nickel Finish	M3 Threaded Holes	AX4MD-M3
		MICKELLIHISH	Vertical PCB	AX4MDV
	-26.0 [1.024]- 2.5 [0.098]3.0 [0.118] 3.0 [0.118]		M3 Threaded Holes	AX4MDV-M3
	84.3]	XLR 4 pole male,	Standard	AX4MDB
	21.4 [0.843]	D Flange, Machined contacts, Black Finish		
	9.5 SOLDER CONTACTS PCB CONTACTS 19.0 [0.748] - [0.374] - 25.45 [1.002] - 24.45 [0.963]	DIAGN I IIIISII	Gold Plated Contacts	AX4MDB-AU
			Vertical PCB	AX4MDVB
(25)		XLR 4 pole female,	Standard	AX4FD
		D Flange, Machined contacts, Nickel Finish	M3 Threaded Holes	AX4FD-M3
	-26.0 [1.024]		Vertical PCB	AX4FDV
1			M3 Threaded Holes	AX4FDV-M3
(push)	-31.0 [1.220] -24.0 [0.945] -22.9 [0.901]	XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AX4FDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.50 [0.965]		Gold Plated Contacts	AX4FDB-AU
			Vertical PCB	AX4FDVB
		XLR 5 pole male,	Standard	AX5MD
18		D Flange, Machined contacts, Nickel Finish	M3 Threaded Holes	AX5MD-M3
3 (3.5)		MICKELLIHISH	Vertical PCB	AX5MDV
	-26.0 [1.024]3.0 [0.118] - 31.0 [1.222]3.0 [0.118]3.0 [0.118]		M3 Threaded Holes	AX5MDV-M3
	.320] .320] .320] .345] .345]	XLR 5 pole male, D Flange,	Standard	AX5MDB
	21.4 [0.843]	Machined contacts, Black Finish		
	9.5 19.0 [0.748] SOLDER CONTACTS 25.45 [1.002] PCB CONTACTS 24.45 [0.963]		Gold Plated Contacts	AX5MDB-AU
			Vertical PCB	AX5MDVB

AX Series Chassis Mount

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
(65)		XLR 5 pole female, D Flange,	Standard	AX5FD
		Machined contacts, Nickel Finish	M3 Threaded Holes	AX5FD-M3
			Vertical PCB	AX5FDV
19	-26.0 [1.024]6.3 [0.248]2.0 [0.079] - 2.5 [0.098]		M3 Threaded Holes	AX5FDV-M3
(FORM)	22.9 [0.901]	XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AX4FDB
	9.5 SOLDER CONTACTS PCB CONTACTS 24.50 [0.965]		Gold Plated Contacts	AX4FDB-AU
			Vertical PCB	AX4FDVB
		XLR 6A pole male,	Standard	AX6AMD
		D Flange, Machined contacts, Nickel Finish	M3 Threaded Holes	AX6AMD-M3
		MICKELT IIIISII	Vertical PCB	AX6AMDV
	-26.0 [1.024]3.0 [0.118] - 3.0 [0.118] - 3.0 [0.118] - 3.0 [0.118]		M3 Threaded Holes	AX6AMDV-M3
	21.4 [0.843]	XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AX6AMDB
	9.5 SOLDER CONTACTS PCB CONTACTS 19.0 [0.748] - 25.45 [1.002] - 24.45 [0.963]		Gold Plated Contacts	AX6AMDB-AU
			Vertical PCB	AX6AMDVB
		XLR 6A pole	Standard	AX6AFD
		female, D Flange, Machined contacts,	M3 Threaded Holes	AX6AFD-M3
		Nickel Finish	Vertical PCB	AX6AFDV
3	-26.0 [1.024]6.3 [0.248]30.5 [1.200]2.5 [0.098]		M3 Threaded Holes	AX6AFDV-M3
(2084)	31.0 [1.220] 	XLR 6A pole female, D Flange, Machined contacts,	Standard	AX6AFDB
	9.5 SOLDER CONTACTS PCB CONTACTS 19.0 [0.374] -26.0 [1.022] - 24.50 [0.965]	Black Finish	Gold Plated Contacts	AX6FADB-AU
			Vertical PCB	AX6AFDVB

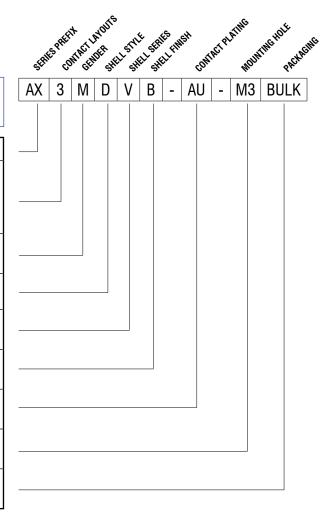
PART NUMBER BREAKDOWN

METAL TYPE FLANGE

E. G. AX3MDVB-AU-M3 BULK

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

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



Note:

20

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

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

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.
 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 25

Specifications: Page 26 PCB Footprints: Page 27 Panel Cutouts: Page 27

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19.0 *- [.748"]-*-	->	XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC3MMDZ
	7.24.0 [.455] 1.10 [1.220"]			Bulk Pack	AC3MMDZ BULK
9	AMPHENOL	SOLDER CONTACTS 5.5 [.217"]	XLR 3 pole male, D Flange, Machined contacts, Black Finish	Standard	AC3MMDZB
(0)	는 26.0 [1.024"] -		Didok (IIII of)	Gold Plated Contacts	AC3MMDZB-AU
19.0	-⊶ ,- 2.7 [.106"]	XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ	
	[.748"]			Bulk Pack	AC3MDZ BULK
9	24.0 [1.]		XLR 3 pole male, D Flange, Stamped contacts, Black Finish	Standard	AC3MDZB
(O)	l⇒ 26.0 [1.024"]-Ы		S. S. C. T. T. S. C.	Gold Plated Contacts	AC3MDZB-AU
	+- 26.0 [1.024"] 	 * + 6.5 [.256"]	XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZ
	## HEGO HEGO		THORE THIS	Bulk Pack	AC3FDZ BULK
Q 3133		SOLDER CONTACTS 5.5 [.217"]	XLR 3 pole female, D Flange, Stamped contacts, Black Finish	Standard	AC3FDZB
[.748"]	33.5 [1.319"]——		Gold Plated Contacts	AC3FDZB-AU	

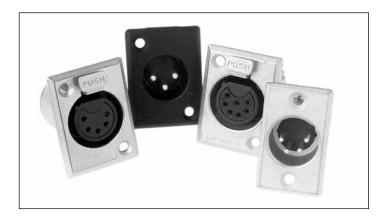
AC "Z" Series Chassis Mount

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19.0	-~ ≈ 2.7 [.106"]	XLR 4 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC4MDZ
	1.248, 1.46 1.248, 1.46 1.248, 1.46 1.248, 1.46 1.250 1.10 1.250			Bulk Pack	AC4MDZ BULK
96	AMPHENOL	SOLDER CONTACTS 5.5 [.217"]	XLR 4 pole male, D Flange, Machined contacts, Black Finish	Standard	AC4MDZB
	► 26.0 [1.024"]→			Gold Plated Contacts	AC4MDZB-AU
(E) (SIL1)		XLR 4 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC4FDZ	
	24.0 [.945"]— -31.0 [1.220"]			Bulk Pack	AC4FDZ BULK
0	AMPHEO)	SOLDER CONTACTS 5.5 [.217"] 32.0 [1.260"]	XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AC4FDZB
	19.0 			Gold Plated Contacts	AC4FDZB-AU
	19.0 ~ [.748"]~~	2.7 [.106"]	XLR 5 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC5MDZ
.	45"]-			Bulk Pack	AC5MDZ BULK
6	4 4 4 4 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	solder contacts	XLR 5 pole male, D Flange, Machined contacts, Black Finish	Standard	AC5MDZB
	► 26.0 [1.024"]→			Gold Plated Contacts	AC5MDZB-AU
P. Committee	p- 26.0 [1.024"]->	 6.5 [.256"]	XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC5FDZ
PUSH 19.0 17.748" 17.748" 19.0 17.748" 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748" 19.0 17.748"				Bulk Pack	AC5FDZ BULK
		SOLDER CONTACTS	XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AC5FDZB
	31.1 [1.224"]——		Gold Plated Contacts	AC5FDZB-AU	

AC "Z" Series Chassis Mount

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19.0	10.0	XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC6AMDZ
.	24.0 [.945"] – [1.220"	2.7 [.106"]		Bulk Pack	AC6AMDZ BULK
9	26.0 [1.024"]	solder contacts	XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AC6AMDZB
		امــــــــــــــــــــــــــــــــــــ		Gold Plated Contacts	AC6AMDZB-AU
(A) (A)	p= 26.0 [1.024"]-=	إم- 26.0 [1.024"]-م الم- 6.5 [.256"]	XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC6AFDZ
	24.0 [.945"] HSNA		NICKOT I IIISII	Bulk Pack	AC6AFDZ BULK
6	Solder contacts	□ 	XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard	AC6AFDZB
	19.0 [.748"]	31.1 [1.224"]——	Black Finish	Gold Plated Contacts	AC6AFDZB-AU
			XLR 7 pole male, D Flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7MDZ
	19.0	Machined contacts,		Vertical PCB	AC7MDZV
	19.0 2.7 [Bulk Pack	AC7MDZ BULK
8	5.5 [.	2017-] -27.5 [1.083"]	XLR 7 pole male, D Flange, Gold Plated Machined contacts,	Standard	AC7MDZB
			Black Finish	Vertical PCB	AC7MDZVB
Carroll			XLR 7 pole female, D Flange,	Standard	AC7FDZ
	p-26.0 [1.024*] 6.5 [.2	2.5 [.099*]	Gold Plated Machined contacts, Nickel Finish	Vertical PCB	AC7FDZV
	Public 1200			Bulk Pack	AC7FDZ BULK
6 0	SOLDER CONTACTS 19.0 [7.48*] 32.0 [1.260*] 36.2 [1.425*]		XLR 7 pole female, D Flange, Gold Plated Machined contacts,	Standard	AC7FDZB
		Black Finish	Vertical PCB	AC7FDZVB	

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 20 **Specifications: Page 26 PCB Footprints: Page 27** Panel Cutouts: Page 27

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	POLES	PART NUMBER
	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	2.4 [.094"] SOLDER CONTACTS 32.1 [1.266"]	XLR male, Narrow flange, Machined contacts	3	AC3MMPNZ
		- 	XLR male, Narrow flange,	3	AC3MPNZ
	[1.063"]		Stamped contacts,	4	AC4MPNZ
	27.0 [1.063"].			5	AC5MPNZ
		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
	-2/2 [1.0/0]	XLR male, Wide flange, Stamped contacts	3	AC3MP	
(E)			4	AC4MP	
	26.4 [1.0			5	AC5MP
2	SOLDER CONTACTS 16.7 16.7 23.5 [1.278*]		6	AC6AMP	
No.			7	AC7MP	
Pusa	27.2 [1.070"]	3.5 [.138"]	XLR female, Wide flange,	3	AC3FPZ
	SOLDER CONTACTS 16.7 [.656*] 31.0 [1.220*]	Stamped contacts	4	AC4FPZ	
			5	AC5FPZ	
			6	AC6AFPZ	
			7	AC7FPZ	

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

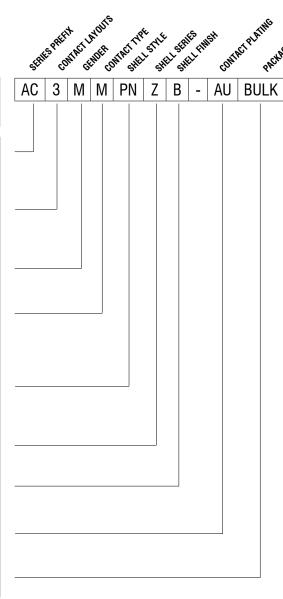
PART NUMBER BREAKDOWN

METAL TYPE FLANGE

E. G. AC3MMPNZVB-AU BULK

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

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUTS	3 4 5 6A 7	= = = =	3 Contacts 4 Contacts 5 Contacts 6 Contacts 7 Contacts
GENDER	F M	= =	Female Socket Contacts Male Pin Contacts
MACHINED CONTACTS ¹	Blank M	= = (Applica	Stamped Contacts Machined Contacts ble 3 male pin contacts only)
SHELL STYLE	D P PN	= = =	Small Flange (front or rear mounting) Large Shell with Wide Flange Large Shell with Narrow Flange (male only)
SHELL SERIES	Blank Z	= =	Male P Shell Style Only Metal Chassis Series
SHELL FINISH ²	Blank B	= =	Nickel Plated Finish Black Polyester Finish
CONTACT PLATING ³	Blank AU	= =	Standard Plating (Silver or Tin - refer to Standard Data) Gold Plated
PACKAGING	Blank BULK	= =	Individual Bags Bulk Packed



Note

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 / AX SERIES CHASSIS - METAL "Z"

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

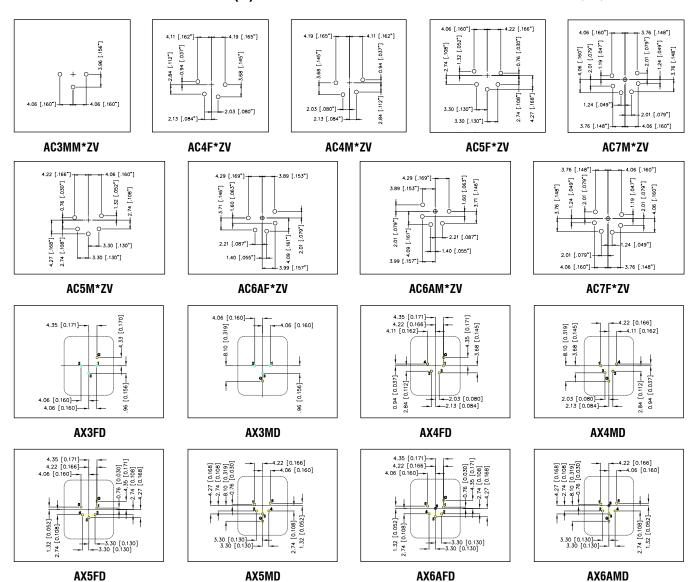
¹⁾ Not suitable for domestic applications above 50V

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

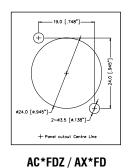
AC / AX SERIES CHASSIS METAL "Z"

PCB FOOTPRINTS STRAIGHT (V) CONNECTOR SIDE OF PCB

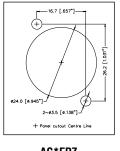
○ ø1.2mm(.05") + Panel Cutout CL

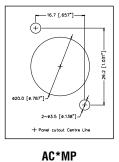


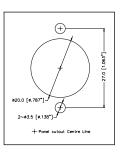
PANEL CUTOUT DIMENSIONS **FRONT VIEW**



2~03.5 [0.138"] + Panel cutout Centre Line AC*MDZ / AX*MD







AC*FPZ

AC*MPNZ

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

- 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 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.

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

Part Number Breakdown: Page 36 Specifications: Page 39 PCB Footprints: Page 40 Panel Cutouts: Page 41

Recommended Fastener: Page 133

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
1	25.4 [.998*] Ampheno 1 3 2 2.7 [.106*]	-19.5 [.768*] -19.8 [.780*] -19.8 [.780*] -19.8 [.780*]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-PRE
	25.4 [.998*] Ampheno 1 3 2 2.7 [.106*]	-19.5 [.768*] -19.8 [.780*] -19.8 [.780*] -19.8 [.780*]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAH1-AU-PRE
10	25.4 [.998*] Ampheno 1 3 2 2.7 [.106*]	-19.5 [.766*] -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	AC3MAH2-AU-PRE
	25.4 [.998*] Amphinol 1 2 2 2 7 1,106*]	19.5 [.768*]	XLR 3 pole male with integrated switch, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-SW-B
	25.4 [.998"]———————————————————————————————————	24.0 [.945"] 19.5 [.780"] 19.5 [.780"]	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"] (Amphono) 1 3 2 27 (106	24.0 [945] 19.5 [768] 19.5 [768]	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 [766] 19.5 [766]	XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
	25.4 [.998*] (FUSH)	3.2 (126°) 19.5 (786°) 19.5 (786°) 19.5 (786°)	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-PRE
10	25.4 [998"] (FUSH) (3.2 [126"] 19.5 [786"] 19.5 [786"] 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)	3.2 (126°) 19.5 (766°) 19.5 (766°) 19.5 (766°)	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-PRE
	25.4 [998"] Amphand 2 1 1 2 2 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19.5 [.786]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-PRE
10	25.4 [998*] -25	19.5 [.766*]	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*) (mpdrand) 2.0 2.1 2.1 2.1	19.5 [.768"] 19.6 [.760"] 19.7 [.768"] 19.8 [.780"] 19.8 [.780"] 19.9 [.780"]	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
0	25.3 [.998*] (VSH) (Apphroximation of the control	3.2 [126*] 19.5 [778*] 19.5 [778*] 19.5 [778*] 19.6 [779*] 19.7 [778*] 19.8 [779*] 19.8 [779*]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-PRE
10	25.3 [.998"] (VSH) (S) (S) (S) (C) (C) (C) (C) (C	3.2 [126*] 19.5 [768*] 19.5 [768*] 2.38*] 2.4.0 [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) (Amphenol () 2,6 [.102"]	3.2 [.126"] 19.5 [.768"] 3.5 (.138") 3.5 (.138") 3.5 (.138") 3.5 (.138") 3.5 (.138")	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAV2-AU-PRE
0	2.5.3 [.998*] ————————————————————————————————————	19.5 [768"] 19.5 [768"] 19.5 [768"] 19.5 [768"] 19.5 [768"] 19.5 [768"] 19.5 [768"] 19.5 [768"] 19.5 [768"]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-PRE
10	25.3 [.998"] 400 a (0) a (0) a (0) a (102")	19.5 [.768*] 19.5 [.768*] 19.8 [.779*] 19.8 [.779*] 19.8 [.779*] 19.9 [.79*] 19.9 [.79*]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAVL1-AU-PRE
	25.3 [.998*] -25.3 [.998*] -25.3 [.998*] -25.3 [.102*] -25.3 [.102*]	19.5 [768*] 19.5 [768*] 19.5 [768*] 19.5 [768*] 19.5 [768*] 19.5 [768*] 19.5 [768*] 19.5 [768*] 19.5 [768*]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAVL2-AU-PRE
	25.0 [.984]	19.8 [.780]	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 [.760]	25 [984*] -25 [984*] -25 [984*] -27 [106*]	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
	19.8 [.780]	24 [945] 25 [984] 20 04 20	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 [.760]	3.2 [125"] — 25 [1984"] — 19.5 [768"] — 25 [1984"] — 25 [1984"] — 27 [106"]	XLR 5 pole female, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAH-AU-B
	19.8 [.780*]	3.2 [125"] 25 [.984"] 29 [.984"] 20 [.984"]	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 36 Specifications: Page 39 PCB Footprints: Page 40 Panel Cutouts: Page 41 Recommended Fastener: Page 133

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-PRE
	25.3 [.996*] 20.3 [.996*] 20.3 [.996*] 20.5 [.766*] 20.5 [.766*]	19.8 [.780*]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBH1-AU-PRE
	25.3 [.996"] 19.5 [.766"] 2.7 [.106"] 3.5 [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-PRE
	25.3 [996"] 19.5 [766"] 27 [106"] 3.5	19.8 [780]	XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBH3-AU-PRE
	25.3 { 996"} 	19.8 [780]	XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBHL-AU-PRE
	240 [940] 95.5 [788] 27 [106]	19.6 (780)	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBV-AU-PRE

AC Series PCB Chassis Mount (B Type)

PRODUCT - FIGURE	DRAWING Dimensions in mm (inch	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
	25.5 [.967] 	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBV1-AU-PRE
	2.7 [166"]— 2.5 [186"]— 2.7 [166"]— 2.7 [XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBV2-AU-PRE
	25.3 [996"] -25.3 [996"] -19.8 [780"] -19.8 [780"] -19.8 [780"] -19.8 [780"] -19.8 [780"] -19.5 [780"] -19.5 [780"] -19.5 [780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBV3-AU-PRE
	25.5 [996"]———————————————————————————————————	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBH-AU-PRE
	27 [106] - 3.5 [136] - 3.5 [136]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBH1-AU-PRE
	25.5 [996"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3FBH2-AU-PRE
	25.3 [996"] 19.8 [780"] 19.8 [XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBH3-AU-PRE
	27 [106"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBHL-AU-PRE

AC Series PCB Chassis Mount (B Type)

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	FINISH	PART NUMBER
	25.3 [396"] -19.5 [768"] -19.5 [XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBHL1-AU-PRE
	27 [106] 27 [106]	XLR 3 pole female, Horizontal PCB, Non- Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBHL2-AU-PRE
	25.3 [996"] 27 [106"] 27 [106"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBHL3-AU-PRE
	25.3 [996"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBV-AU-PRE
	25.5 [396°]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBV1-AU-PRE
	25.3 [996"] PUSH PUSH 27. [100"] 27. [100"] 27. [100"]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBV2-AU-PRE
	25.5 [396] 24.0 [345] 24.0 [345] 25.5 [140]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBV3-AU-PRE
	2.7 [.106*]————————————————————————————————————	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBVL-AU-PRE

AC Series PCB Chassis Mount (B Type)

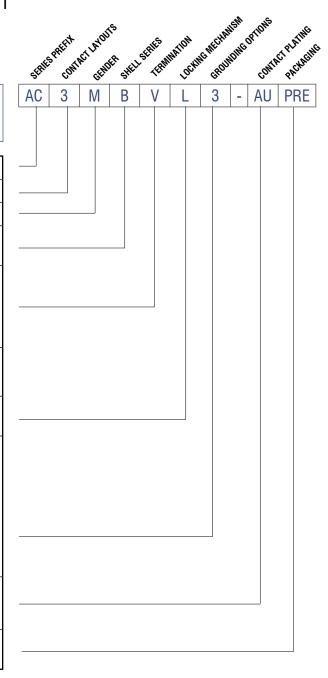
PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	FINISH	PART NUMBER
	25.3 [.96°] — 24.0 [.945°] — 19.8 [.780°] — 26.0 [.945°] — 27. [.106°] — 3.5 [.140°] —	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBVL1-AU-PRE
	25.3 [.996*]	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis -Pin 1 sep. Ground.	Nickel Finish	AC3FBVL2-AU-PRE
	25.3 [.996*] 	XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBVL3-AU-PRE
Pusil	3.2 [.125"] 25 [.984"]	XLR 5 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBH-AU-PRE
	3.2 [.125"]	XLR 5 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5FBV-AU-PRE
	19.8 [.780"]————————————————————————————————————	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Nickel Finish	AC5MBH-AU-PRE
	19.8 [.780"] — 24 [.945"] — 25 [.984"] — 25 [.984"] — 27.5 [1.083"] — 27.7 [.106"]	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 PRE

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

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

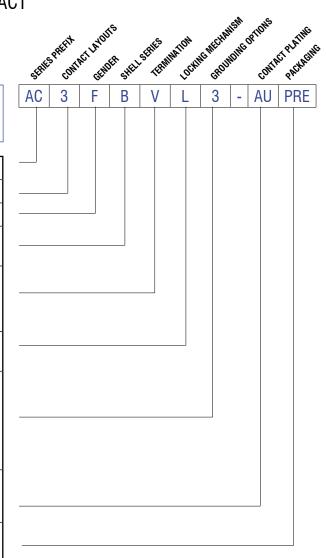


AC SERIES A AND B TYPE FEMALE - 3 CONTACT

E. G. AC3MAVL3-AU B

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

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contact only
GENDER	F	=	Female Socket Contacts
SHELL SERIES	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

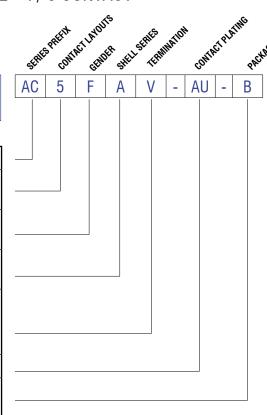


AC SERIES A AND B TYPE MALE AND FEMALE - 4 / 5 CONTACT

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			
CHANACIENISTICS	Contact Arrangements (Front view of pin insert)			\$ 3 4			
	Termination		Printed Circuit Board (PCB)				
	Flammability rating of plastics		UL94V-0				
	Environmental	Complie	es with EU RoHS 2 Directive 201	1/65/EU			
ELECTRICAL CHARACTERISTICS	Service Voltage RMS		133V ¹				
CHARACIERISTICS	Test Voltage AC RMS		1500V				
	Current carrying capacity	6	6A	3A			
	Typical Contact Resistance		≤5mΩ				
	Insulation Resistance (initial)		≥2GΩ				
	Insulation Resistance (after damp heat test)		≥ 1 GΩ				
CLIMATIC	Protection Class	IP40					
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to +167°F)					
MECHANICAL	Weight ²	14g (0.030lb)					
CHARACTERISTICS	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 Tr	i-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	6+25% glass fibre reinforced, UL	94V-0			
	Male Contact Material	Brass					
	Male Contact Plating	0.05 μ m gold over 2 μ m nickel					
	Female Contact Material		Bronze				
	Female Contact Plating		0.05μ m gold over 2μ m nickel				
	Latch lock and Spring		Spring Steel				
	Ground element		Spring Steel				

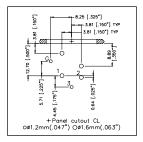
 $^{^{\}rm 1}$ Not suitable for domestic applications above 50V

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

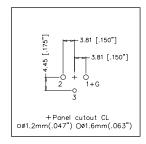
³ Refer to page 133

AC SERIES A AND B TYPE CHASSIS

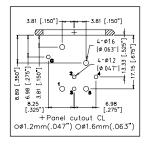
PCB FOOTPRINTS - CONNECTOR SIDE OF PCB



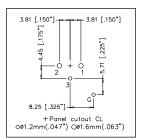
AC3FAH2 AC3FBH2



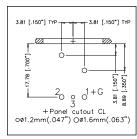
AC3FAV1 AC3FBV1 AC3FBV3 AC3FAV AC3FBV



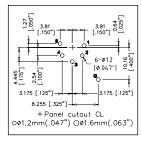
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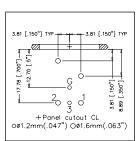
AC3FAV2 AC3FBV2



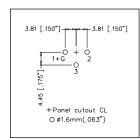
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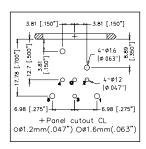
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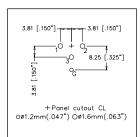
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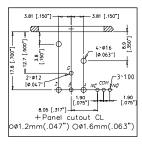
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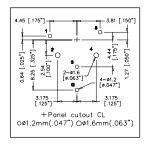
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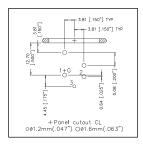
AC3MAV2 AC3MAV4 AC3MBV2



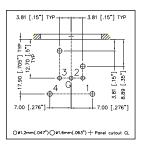
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AC5MAV



AC3FAH3 AC3FBH1 AC3FBH3 AC3FAH AC3FBH



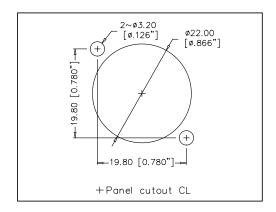
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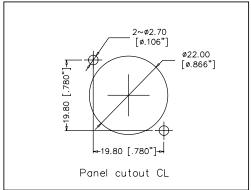
40

AC SERIES A AND B TYPE CHASSIS

PANEL CUTOUT DIMENSIONS - FRONT VIEW

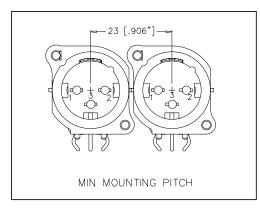
A TYPE

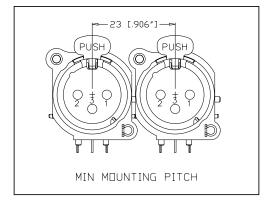




B TYPE

A AND B **TYPE MALE MOUNTING PITCH**





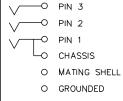
A AND **B TYPE FEMALE MOUNTING PITCH**

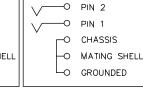
AC3FA/BH/V SCHEMATIC CHART

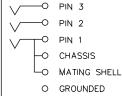
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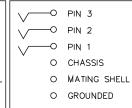
PIN 3

AC3FA/BH/V1-AU AC3FA/BH/VL1-AU AC3FA/BH/V-AU AC3FA/BH/VL-AU



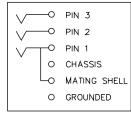


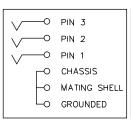


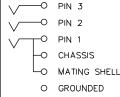


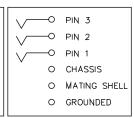
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AC3MA/BH/V-AU AC3MA/BH/VL-AU









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

- 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 48 Specifications: Page 50 PCB Footprints: Page 49 Recommended Fastener: Page 133

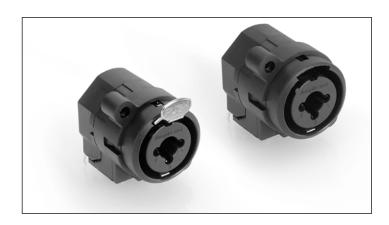
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	-19.80 78 -19.80 78 -1	7.5 [1082] SCHEMATIC CHART JACK XIR 0 2 0 2 0 1 0 6	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6AH BULK
6	980 78 181 98 181 98 98 98 98 98	7.5 [1082] SCHEMATIC CHART JACK SIR O O O O O O O O O O O O O	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AHL BULK
10	1980 788	24 0 945 — 37 146 SCHEMATIC CHARIT JACK XLR 0 0 0 0 0 0 0 0 0	Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2 BULK
10	980 781 980 781 973 974 975 1976	22.0 945 37 146 SCHEMATIC CHART JACK XLR OS O 2 O 2 O 1 O 6 O 6 O 6 O 6 O 6 O 6 O 6 O 6 O 6	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
	19.80 78	275 1082 SCHEMATIC CHART JACK XLR 30 0 3 2 5 6 0 1 1 5 6 0 1 1 5 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AH BULK
	980 78	27 5 11 082 2 SCHEMATIC CHART JACK XLR 35 0 0 3 0 0 1 85 0 0 5 85 0 0 5 85 0 0 6	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AHL BULK

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

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
16	19 80 1 78 8 P P P P P P P P P P P P P P P P P	24.0 945 37 146 SCHEMATIC CHART ALR	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
	19 80 78 19 80 78 18 82 25 3 1996	37 166 SCHEMATIC (HART JACK 35 0 0	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
	19 80 78	275 1082 SCHEMATIC CHART JACK XLR XLR	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	275 11082 SCHEMATIC CHART JACK XLR 38 0 1 88 0 1 88 0 1 88 0 1 89 0 6 90 0 0	Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10AHL BULK
16	1980 78 1980 78 1980	22. 0 [94.5] - 3.7 [14.6] 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 18 1 18	24.0 [945] 37 [166] SCHEMATIC CHART JACK XLR	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

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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 48 Specifications: Page 50 PCB Footprints: Page 49 Recommended Fastener: Page 133

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.063] -20 [277] -20 [277]	10.6 SCHEMATIC CHART SCHEMATIC CHART SACK SUR	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
	27 (1.06.5°) 20 (1.787°) 4 (1.06.5°) 4 (1.06.5°) 4 (1.06.5°) 5 (1.06.5°) 10 (1.394°)	\$CHEMATIC CHART \$CHEMATIC CHART \$ACC	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
	27 [1:053] 20 [297] 3 [2] 3 [2] 4 [2] 4 [2] 5 [2] 6 [2] 6 [2] 7 [2	10,6 10	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
	27 [1.063] 20 [787] 10 [.394]	\$ [.945] SCHEMATIC CHART \$ [.185] \$402 \$1.88 \$ [.7] \$0.5 \$0.5 \$ [.7] \$0.7 \$ [.7] \$0.7 \$ [.7] \$	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 [1083] 20 [287] 4.1 (Cush) (Cus	A [.9457] 10.6 5 [.1777] SCHEMATIC CHART 4AOS N.E O 3 O 2 O 1 O 1	XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
	27 [1.063*] 20 [.787*] 10 [.394*]	\$ (.945) SCHEMATIC CHART \$ (.177) \$ 4628 \$8.8 \$ (.276)	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 [1063] -20 [1267] -20 [12	24 [.945"] 10.6 SCHEMATIC CHART SCHEMATIC CH	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
	23 (2007) 23 (2007) (1637)	24 [945"] SOHEMATIC CHART ACC MR OS OS OS OR OI OT 7 [276"] OS	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 [1.065] 27 [1.065] 27 [1.065] 27 [1.065] 27 [1.065] 28 [1.065] 29 [1.065] 20 [1.065] 20 [1.065] 20 [1.065] 21 [1.065] 22 [1.065] 23 [1.065] 24 [1.065] 25 [1.065] 26 [1.065] 27 [1.065] 28 [1.065] 29 [1.065] 20 [1.	224 [.945"] 10.6 5.5 [.135"] SCHEMATIC CHART SACS MR OS O2 7 [.276"] OT O6	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
	27 [1.063] 20 [7.07] 10 [.394]	24 [.945"] 50 SOMEMATIC CHART 40 STATE SOMEMATIC CHART 40 STATE SOMEMATIC CHART 40 STATE STA	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 [1063] -20 [207] -20 [207] -20 [207] -20 [207] -20 [207] -20 [207] -20 [207]	24 [.945*] 10.6 .5 [.177*] SCHMATIC CHART 4ACK 31.8 O S O 2 OR O 1 O T O 6	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
	27 [1.063] 20 [7.87] 10 [.394]	24 [.945"] 5.5 [.177] SCHEMATIC CHART 40S MR 0 5 0 7 7 [.276"] 7 [.276"]	XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
	(1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (24 [.945*] 10.6 10.	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
	[[a:1] or [[a:1]	SCHEMATIC CHART 4605 18 10 10 10 10 10 10 10 10 10	XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 (1.053*) 20 (207)	24 [945] [0.6] SCHEMATIC CHART -3.5 [138] AGG XL8 -3.5 [138] O 3 -3.5 [138] O 1 -3.5 [138]	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] SCHEMATIC CHART -3.5 [138] SCHEMATIC CHART -3	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) 20 [277] 20 [277] 10 [394]	24 [.945] 10.6 .417] .417] .408 .348 .428	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
10	27 [1.063*] 20 [.787*] 10 [.394*]	24 [945] -4.5 [177] SCHEMATIC CHART AGC NR O SN O 2 O SN O 1 O SN O S	XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
	27 (1.063) 20 [.287] 20 [.287] (1.063) (1.06	24 [.945] 10.6 SCHEMATIC CHART MACK MART MACK	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
	27 (1.06.5) -20 [797] -20 [797]	24 [945*] SCHEMATIC CHART 4AOS 3.8 O 3 O 5 O 8 O 7 O 8 O 7 O 8 O 7 O 8 O 7 O 8 O 7 O 8 O 8	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 (1.06)*) -20 [.797]	24 [.049*] 10.6	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
	27 [1.06.37] 20 [.787] 21 [.787] 21 [.787] 21 [.787] 21 [.787]	24 [345] -4.5 [177] SCHEMATIC CHART AGE SUB O S O S O C O S O S	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

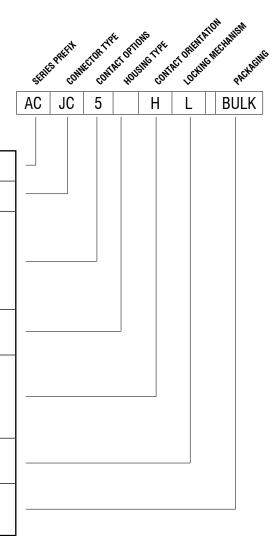
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	27 [1.65*] -20 [.727] -20 [.	24 [.945*] 10.6 A.5 [.177*] 10.6 SCHMARC CHARL ACC VAR O 3 O 3 O 3 O 7 O N O N O N O N O N O N O N	XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
	27 (1.055°) -20 (7.07°) -20 (24 [945] A.5 [177] SCHEMATIC CHART ACS SM.R O 3 O 3 O 2 O 5 O 1 O 7 O N O N O A	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

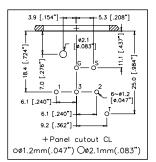
AC SERIES THERMOPLASTIC C TYPE

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

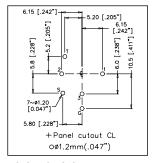
SERIES PREFIX	AC	=	Series Prefix
CONNECTOR TYPE	JC	=	Jack / Connector XLR
CONTACT OPTIONS	5 6 9 10	= = =	Mono, Non Switching, XLR Grounded Stereo, Non Switching, XLR Grounded Stereo, Switching, XLR Grounded Stereo, Switching, XLR with Ground Switch
HOUSING TYPE	Blank A	=	Standard Low Profile / High Density
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 PRD		Individual Bags Bulk Packed Disassembled push lever



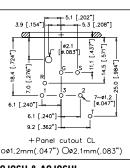
AC SERIES C TYPE SERIES



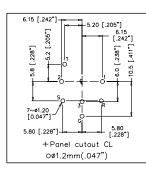




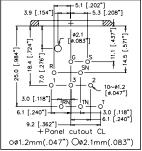
ACJC5V & ACJC5VL



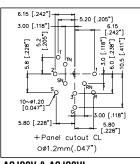
ACJC6H & ACJC6HL



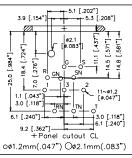
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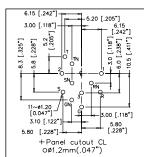
ACJC9H & ACJC9HL



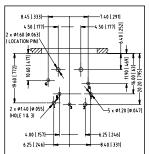
ACJC9V & ACJC9VL



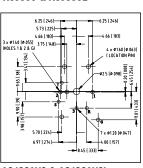
ACJC10H & ACJC10HL



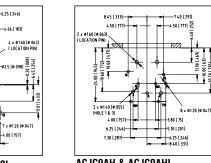
ACJC10V & ACJC10VL



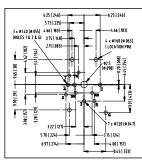
ACJC6AH & ACJC6AHL



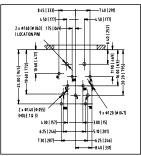
ACJC6AV2 & ACJC6AV2L



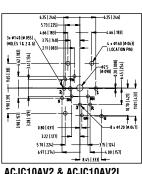
ACJC9AH & ACJC9AHL



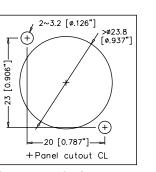
ACJC9AV2 & ACJC9AV2L



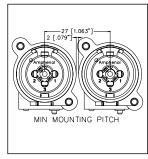
ACJC10AH & ACJC10AHL



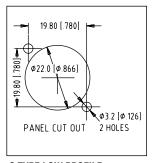
ACJC10AV2 & ACJC10AV2L



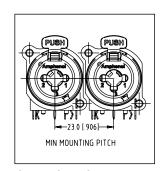
C TYPE PANEL CUTOUT



C TYPE MOUNTING PITCH



C TYPE LOW PROFILE PANEL CUTOUT



C TYPE LOW PROFILE MOUNTING PITCH

STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VAI	LUE		
		LOW PROFILE TYPE	STANDARD C TYPE		
GENERAL Characteristics	Number of contacts	5, 6, 9	or 10		
CHANACIENISTICS	Termination	Printed Circuit Board (PCB)	Printed Circuit Board (PCB) or Solder Bucket		
	Flammability	UL 9	94HB		
	Environmental	Complies with EU RoHS	2 Directive 2011/65/EU		
ELECTRICAL Characteristics	Service Voltage RMS	50	OV		
CHANACIENISTICS	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)		
CHANACIENISTICS	Retention Spring separating force	≥20N			
	Mounting Screw torque max.	1.5	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	D			
	Material Plating		onze Nickel plated		
	Jack Contact	33.4 3.6	- Indian place		
	Material	Bronze	Brass		
	Plating	Gold over Nickel plated Silver over Copper plat			
	Latch lock and Spring		Plated		
	Ground element	Nickel Plated	Silver over Copper plated		
			111 1		

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

^{***}Refer to Page 133

G-Type Miniature XLR Connectors



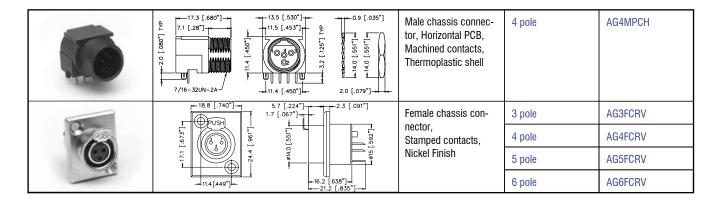
Features:

- 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 52 Specifications: Page 53 PCB Footprints: Page 54 Panel Cutouts: Page 54

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Male cable connector,	3 pole	AG3M
	ø10.5 [.413″]		Machined contacts, Nickel Finish	4 pole	AG4M
	ģ.			5 pole	AG5M
	<u> </u>	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
	36 [1.398"] 9 [.339"]		Female cable connec-	3 pole	AG3FL
			tor with locking ring, Stamped contacts,	4 pole	AG4FL
(E)	16 [.634"]——49 [1.929"]		Nickel Finish.	5 pole	AG5FL
20				6 pole	AG6FL
	1.0 [.039*]	Male chassis connector, Machined contacts,	3 pole	AG3MCC	
			4 pole	AG4MCC	
6.0	7/16"-35		Nickel Finish	5 pole	AG5MCC
	2.0 [.079"]	17.8 [.701"]— 3 pole—		6 pole	AG6MCC
	22.1 [.870"] 2.5 [.098"] 		Female chassis	3 pole	AG3FCE
			connector, Stamped contacts, Nickel Finish	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] Trp	connector, Horizontal PCB,	4 pole	AG4MCCH
	2.5 [.098]	3.9 []	Machined contacts, Nickel Finish	5 pole	AG5MCCH
	19.9 [.785"]	2.0 [.079*]		6 pole	AG6MCCH
7	28.3 [1.114*] 2.5 [.098*]—	1.0 [.079*]	Female chassis	3 pole	AG3FCCH
	8.4 [.333]	PUSH	connector, Horizontal PCB,	4 pole	AG4FCCH
	146 [575]	4.0 [.157]	Stamped contacts, Nickel Finish	5 pole	AG5FCCH
		2.0	onor i mon	6 pole	AG6FCCH

G-Type Miniature XLR Connectors



PART NUMBER BREAKDOWN

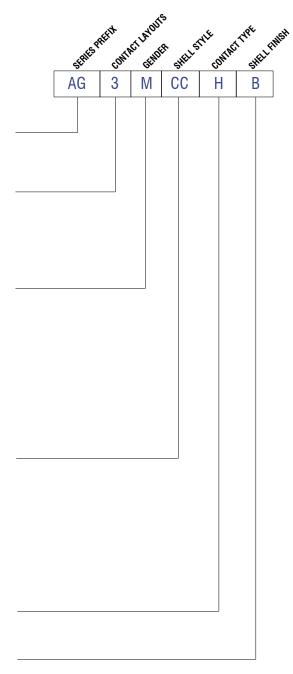
G TYPE CONNECTORS

E. G. AG3MCCHB

AG (Series Prefix), 3 contacts, Male, Chassis Connector, Horizontal PCB Contacts,

Rlack finish

OFDIFO DDFFIV	40		Out the Dief
SERIES PREFIX	AG	<u>=</u>	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6	=	6 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
	Blank	=	Cable Connector Standard (Male or Female)
SHELL STYLE	J	=	Cable Connector Large Cable clamp / boot O.D (Male or Female)
	L	=	Cable Connector with locking ring (Female)
	LL	=	Latchless (Chassis Connector)
	CC	=	Chassis Connector Circular Metal (Male)
	CE	=	Rear Mount (Chassis Connector)
	CM	=	Mid Mount (Chassis Connector)
	CR	=	Chassis Connector Rectangular Metal (Female)
	PC	=	Chassis Connector Plastic (Male)
	Blank	=	Solder Buckets (All styles except PC, CR)
CONTACT TYPE	Н	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
	Blank	=	Nickel Plated Finish
SHELL FINISH	В	=	Black Finish



STANDARD DATA G TYPE

			VALUE				
GENERAL	Number of C	ontacts	3	4	5	6	
CHARACTERISTICS	Termination			Printed Circuit Board	(PCB) or Solder Bucket		
	Max. Wire G	auge - Stranded Wire		AWG 24 - 0.5mm ²		AWG 28 - 0.38mm ²	
	Flammability	,		UL94	4V-HB		
	Environment	al		Complies with EU RoHS	3 2 Directive 2011/65/EU		
ELECTRICAL	Current Carr	ying Capacity	5A	5A	4A	1.2A	
CHARACTERISTICS	Typical Cont	act Resistance		≤1	OmΩ	•	
	Insulation re After Damp	sistance (initial) Heat Test			0MΩ 0MΩ		
	Dielectric St	rength		1000 V dc		250 V dc	
CLIMATIC	Protection C	lass		IF	200	•	
CHARACTERISTICS	Operating Te	mperature		-30°C to +80°C	C (-20F - +176F)		
MECHANICAL Characteristics	Insertion Sp	ring Separating Force	≥20N				
	Cable O.D.	Standard	2mm to 3.5mm (0.078" to 0.137")				
		Large clamp / boot (Option "J")	3mm to 5mm (0.118" to 0.196")				
	Mechanical Operations			2000 mating cycles			
	Weight		13.5g (0.029lb)				
MATERIALS	Connector Shell		Bronze & Zinc				
	Connector S	hell Finish	Nickel Plated				
	Insulators		PPS - Black				
	Male Contac	t	Material - Brass C3604 Plating - Gold over Silver Plated				
	Female Cont	act	Material - Brass C5210P Plating - Gold over Silver Plated				
	Latch Lock a	and Spring	SUS (AISI - 301) - Nickel Plated				
	Adaptor		PPS - Black				
	Cable Clamp		Bronze - Nickel Plated				
	Boot/Backsh	ell		ABS -	- Black		
	Grommet			PU -	Black		

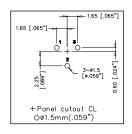
¹⁾Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes. Not suitable for voltages over 50V.

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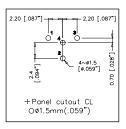
G-Type Miniature XLR Connectors

PANEL CUTOUTS

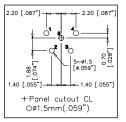
- CONNECTOR SIDE OF PCB



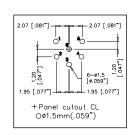
AG3MCC



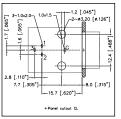
AG4MCC



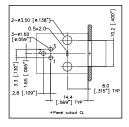
AG5MCC



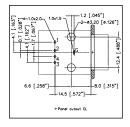
AG6MCC



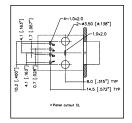
AG3FCCH



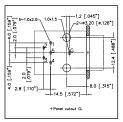
AG3MCCH



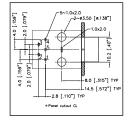
AG4FCCH



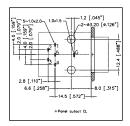
AG4MCCH



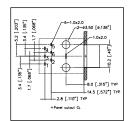
AG5FCCH



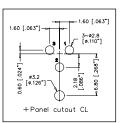
AG5MCCH



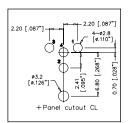
AG6FCCH



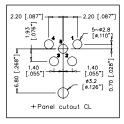
AG6MCCH



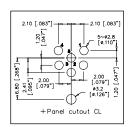
AG3FCRV



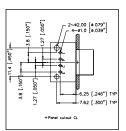
AG4FCRV



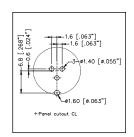
AG5FCRV



AG6FCRV

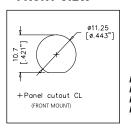


AG4MPCH

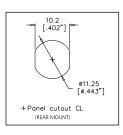


AG3FCE

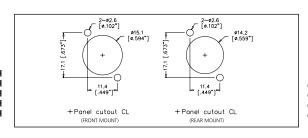
PANEL CUTOUTS - FRONT VIEW



AG3MCC AG4MCC AG5MCC AG6MCC



AG3MCCH AG4MCCH AG5MCCH AG6MCCH AG4MPCH



AG3FCRV AG4FCRV AG5FCRV AG6FCRV



SP/EP/AP SERIES LOUDSPEAKER CONNECTORS

SP Series

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

Features

- High current contacts for distortion free signal.
- Cost effective durable thermoplastic shell
- Available in 2 and 4 contact arrangements.
- Overmolded cable support boot or PG gland with or without cable support strain relief.
- Quick release, vibration resistant latch lock.
- UL, cUL recognized components (File no. E339831)
- Precision machined contacts
- · Thermoplastic shell

Options

- Solder termination / Tab or Printed Circuit Board versions, Screw Terminals
- · Nickel Plated Zinc Alloy shell
- · Black finished Zinc Alloy shell

EP Series

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

Features

- High current contacts for distortion free signal.
- Tough, durable zinc diecast shell
- Cable clamp capable of supporting cables from 9mm (0.35") to 16mm (0.63") in diameter.
- Quick release, vibration resistant latch lock.
- AP & EP series are completely intermatable.
- · Precision machined contacts

Options

- Nickel Plated Zinc Alloy shell
- Black finished Zinc Alloy shell
- Available in 3, 4, 5, 6 and 8 contact arrangements

AP Series

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

Features

- · High current contacts for distortion free signal.
- Cost effective durable thermoplastic shell
- Quick release, vibration resistant latch lock.
- AP & EP series are completely intermatable.
- · Precision machined contacts
- · Thermoplastic shell

Options

Available in 4, 5, 6, and 8 contact arrangements.

Ordering Codes

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

Simple steps to guide you in using this catalogue

- 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.



Speaker Connectors

SP Series



SP SERIES

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

Features:

- Quick release, vibration resistant latch lock
- 2 or 4 pole
- · Solder tabs, PCB Contacts, Solder or Screw Terminals
- Chuck type or PG Gland cable clamp

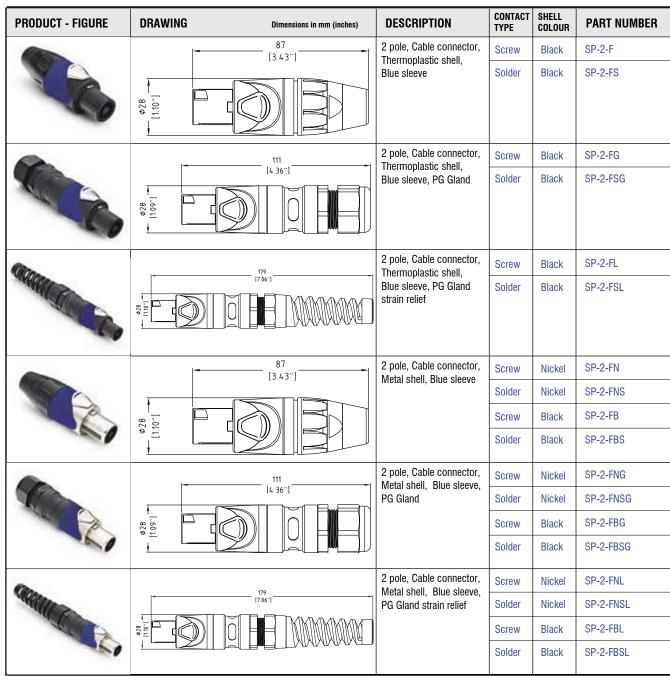
Part Number Breakdown: Page 60

- Various mounting hole options
- 30A Current rating
- Thermoplastic or Metal housing (Cable Plugs)
- UL, cUL recognized components (File no. E339831)
- Industry standard mating

PCB Footprints: Page 62



Assembly Instructions: 63



Speaker Connectors SP Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	CONTACT TYPE	SHELL COLOUR	PART NUMBER
	-	87 [3.43"]	4 pole, Cable connector, Thermoplastic black	Screw	Black	SP-4-F
10	\$28 [1.10"]		shell, Blue sleeve	Solder	Black	SP-4-FS
•		111	4 pole, Cable connector, Thermoplastic black	Screw	Black	SP-4-FG
	1109"	[4 36"]	shell, Blue sleeve, PG Gland	Solder	Black	SP-4-FSG
A			4 pole, Cable connector,	Screw	Black	SP-4-FL
SCHOOL STATE OF THE STATE OF TH	Thermoplastic black shell, Blue sleeve, PG Gland strain relief		shell, Blue sleeve, PG	Solder	Black	SP-4-FSL
	[3.43"]	4 pole, Cable connector, Metal shell, Blue sleeve	Screw	Nickel	SP-4-FN	
		[3.43]	ivicial sticil, blue siceve	Solder	Nickel	SP-4-FNS
To the same of the				Screw	Black	SP-4-FB
	\$ 0.58 (1.10°1)			Solder	Black	SP-4-FBS
		111	4 pole, Cable connector, Metal shell, Blue sleeve,	Screw	Nickel	SP-4-FNG
		[4.36"]	PG Gland	Solder	Nickel	SP-4-FNSG
2	φ28 [1.09"]			Screw	Black	SP-4-FBG
				Solder	Black	SP-4-FBSG
		470	4 pole, Cable connector,	Screw	Nickel	SP-4-FNL
Calling .	179 7.06"	[7.06"]	Metal shell, Blue sleeve, PG Gland strain relief	Solder	Nickel	SP-4-FNSL
The same of the sa				Screw	Black	SP-4-FBL
				Solder	Black	SP-4-FBSL

Speaker Connectors SP Series

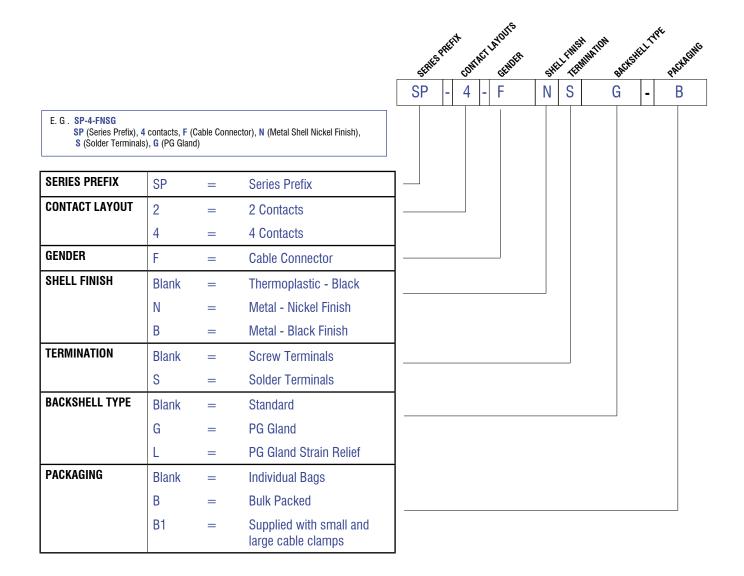
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		25 45 (0.177-)	2 pole, D flange, Thru holes, Solder tabs 3/16"	Black	SP-2-MD
	[[0.748*]	26.0 (1024') (0224') (0224') (0224')	2 pole, D flange, Thru holes, Horizontal PCB	Black	SP-2-MDH
	11054,1 110	26.5 3.5 (0.138°)	2 pole, D flange, Thru holes, Vertical PCB	Black	SP-2-MDV
	26.0 (1.024*) 26.0 (1.024*)		Airtight 4 pole, D flange Self Tapping holes, Solder Tabs 3.16"	Black	SP-4-MDAT
(6)	26.0(1.024*) 0.00		Airtight 4 pole, D flange Thru holes, Solder tabs 3/16"	Black	SP-4-MDA
	100.103	28.2 4.3 (0.169*)	4 pole, D flange, Thru holes, Solder tabs 3/16"	Black	SP-4-MD
	19.0 (7.48-)	28.2 (1.11·1) (1.69·1) (1.69·1) (1.77·1)	4 pole, D flange, Thru holes, Solder tabs 3/16"	Grey	SP-4-MD-8
		28.2 4.3 (0.169*)	4 pole, D flange, Self Tapping holes, Solder tabs 3/16"	Black	SP-4-MDT

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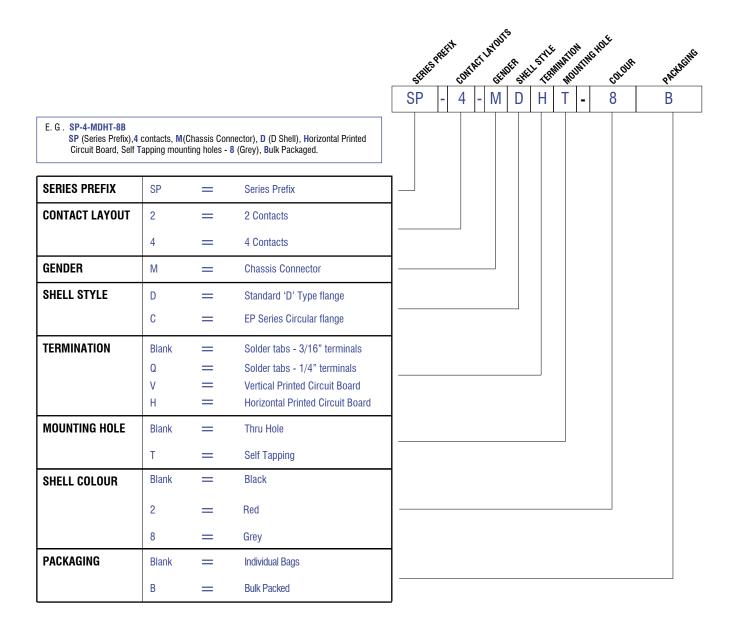
Speaker Connectors SP Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	26.0 (1.024*1)	(1024') (1024') (1024') (1024') (1024') (1024')	4 pole, D flange, Thru holes, Horizontal PCB	Black	SP-4-MDH
	[=15.0 t0.740 J=]	35.7 (1.406°) 9.6 (0.378°) 9.6 (0.378°) 9.6 (0.378°) 9.6 (0.378°) 9.6 (0.378°) 9.6 (0.378°) 9.6 (0.378°)	4 pole, D flange, Thru holes, Solder tabs 1/4"	Black	SP-4-MDQ
	26.0 11.024-1 10.24-1 10.24-1 10.24-1 10.24-1 10.24-1	(1000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 pole, D flange, Self Tapping holes, Horizontal PCB	Grey	SP-4-MDHT-8
	260 T T T T T T T T T T T T T T T T T T T	25.0 57.1 (1024') (102	4 pole, D flange, Self Tapping holes, Horizontal PCB	Black	SP-4-MDHT
(6)	260 (1)024-1	26.5 3.5 (138°)	4 pole, D flange, Thru holes, Vertical PCB	Black	SP-4-MDV
(0)	25.0 [1024*]	25 45 (0077)	4 pole, D flange, Thru holes, Vertical PCB	Red	SP-4-MDV-2
	26.0 (1,024*)	26.0 4.0 (0.157°)	4 pole, D flange, Self Tapping holes, Vertical PCB	Grey	SP-4-MDVT-8
6	508 (e2') [Amphen9]	43 (107) 43 (107) 25 (1097) 445 (1771)	4 pole, D flange, Sealed AIRTIGHT, Thru holes 2.2mm, Solder tabs 3/16"	Black	SP-4-MDAT

SP SERIES - CABLE CONNECTORS

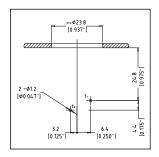


SP SERIES - CHASSIS CONNECTORS

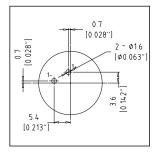


SP SERIES

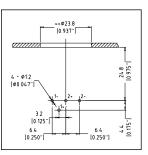
SP-2-MDH



SP-2-MDV



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

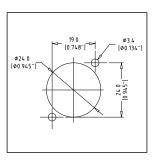


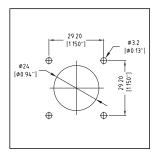
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SP-4-MDV SP-4-MDV-2 SP-4-MDVT-8

SP SERIES PANEL CUTOUT

SP-2-MD**_* SP-4-MD**_*

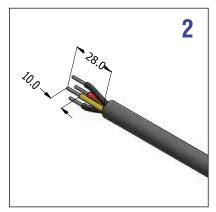




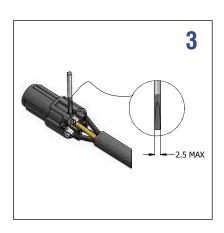
SP-4-MC



Slide the nut onto the cable



Strip the cable and twist the conductors.



Insert the conductors into the rear of contacts on the insert. Tighten the screws to 0.35Nm (3.0 lb-in) using a flat screwdriver with tip width of 2.5mm max.

PI 1070 ASSEMBLY INSTRUCTIONS

SP SERIES CABLE CONNECTOR



Install the cable clamp, flush to the insert making sure to align the slot as shown in the picture.



Orientate the insert and cable clamp as shown then push all together into the shell.



Thread the nut onto the shell to activate the cable clamp and close the connector assembly.

STANDARD DATA SP SERIES CONNECTORS

		VALUE			
GENERAL	Number of contacts	2 or 4			
CHARACTERISTICS	Termination (Chassis)	Printed Circuit Board (PCB) or S	older Tabs 3/16"		
	Termination (Cable Plugs)	Screw or Solder Terminals			
	Flammability	UL94HB			
	Environmental	Complies with EU RoHS 2 Direc	tive 2011/65/EU		
ELECTRICAL	Service Voltage RMS	133V ¹⁾			
CHARACTERISTICS	Test Voltage AC RMS	1500V			
	Current carrying capacity	30A			
	Typical Contact Resistance	≤3mΩ			
	Insulation Resistance (initial)	≥2GΩ			
	Insulation Resistance (after damp heat test)	≥1GΩ			
CLIMATIC	Protection Class (Mated Condition)	IP20 (IP40)			
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to	o +167°F)		
MECHANICAL	Weight** - Chassis Connectors	12g (0.026lb)			
CHARACTERISTICS	Weight** - Cable Plug - Thermoplastic - Metal	44g (0.097lb) 65g (0.143lb)			
	Weight** - Cable Plug PG - Thermoplastic - Metal	44g (0.097lb) 65g (0.143lb)			
	Weight** - Cable Plug PG S/Relief - Thermoplastic - Metal	68g (0.150lb) 89g (0.196lb)			
	Typical Cable retention force	200N (Subject to cable material	and O.D.)		
	Cable O.D range - Chuck Clamp - PG16 Gland - PG16 Gland S/Relief	2 pole 5-10mm (0.19" - 0.39") 6-12mm (0.23" - 0.47") 9-14mm (0.35" - 0.55")	4 pole 9-14mm (0.35" - 0.55") 8-14mm (0.31" - 0.55") 9-14mm (0.35" - 0.55")		
	Conductor Size - Screw Terminals - Solder Bucket	1.5mm² - 4mm² (AWG16 1.5mm² - 6mm² (AWG16			
	Mechanical Operations	5000 mating cycl	es		
MATERIALS	Connector Shell / Finish - Cable Plug Thermoplastic - Cable Plug Metal	PA66 GF30 / Blac Diecast Zinc Alloy / Nicke			
	Insulators - Chassis - Cable Plugs	PA66 GF20 PA66 GF30			
	Cable Boot / Backshell	Santoprene / PA6 G	F 15		
	Cable Clamp (Chuck)	P.O.M			
	Cable Clamp (PG)	Polyemide / EPD	M		
	Sleeve	PBT			
	Contact Chassis - Material / Plating Contact Cable Plug	Phosphor Bronze / S	Silver		
	- Material / Plating	Brass / Silver			

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

1 Not suitable for domestic applications above 50V



EP SERIES

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

Features

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

Options: Black Finish Shell Specifications: Page 68

Panel Cutouts: Page 69

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		8	EP Male cable connector,	3 pole nickel finish	EP-3-12
(S)		**************************************	Machined contacts, Metal Shell	3 pole black finish	EP-3-12B
The same of the sa	6/	H.O [2.521"]	IVIETAL SHELL	4 pole nickel finish	EP-4-12
		3.366"]————		4 pole black finish	EP-4-12B
A				5 pole nickel finish	EP-5-12
		<i>y</i> -	•	5 pole black finish	EP-5-12B
	-PIN INSULA	TORCAB	RLE CLAMP BUSHING	6 pole nickel finish	EP-6-12
ISO ASSEMBLY OF EP MALE		DO OF THE CO		6 pole black finish	EP-6-12B
				8 pole nickel finish	EP-8-12
				8 pole black finish	EP-8-12B
				3 pole nickel finish	EP-3-11P
10	00000000000000000000000000000000000000	connector, Machined contacts,	3 pole black finish	EP-3-11PB	
A Comment			Metal Shell	4 pole nickel finish	EP-4-11P
		6.8 [2.63*] ————————————————————————————————————		4 pole black finish	EP-4-11PB
				5 pole nickel finish	EP-5-11P
-		P _		5 pole black finish	EP-5-11PB
	-PIN INSU	LATOR SHELL CABLE	CLAMP BUSHING	6 pole nickel finish	EP-6-11P
ISO ASSEMBLY OF				6 pole black finish	EP-6-11PB
EP FEMALE				8 pole nickel finish	EP-8-11P
				8 pole black finish	EP-8-11PB

Speaker Connectors EP Series

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		EP Male chassis	3 pole nickel finish	EP-3-14
		mount, Round Flange, Machined contacts, Metal Shell	3 pole black finish	EP-3-14B
		I Wietai Stieli	4 pole nickel finish	EP-4-14
10			4 pole black finish	EP-4-14B
(3)	-28.2 [1.1487]		5 pole nickel finish	EP-5-14
()			5 pole black finish	EP-5-14B
9 32 323	29.2 [1.148"]		6 pole nickel finish	EP-6-14
	ø50.8 [ø2"] — — — 31.8 [1.252"] —		6 pole black finish	EP-6-14B
			8 pole nickel finish	EP-8-14
			8 pole black finish	EP-8-14B
		EP Female chassis	3 pole nickel finish	EP-3-13P
		mount, Round Flange, Machined contacts, Metal Shell	3 pole black finish	EP-3-13PB
	7.5 (.295')	IVIELAI SIIEII	4 pole nickel finish	EP-4-13P
- 20			4 pole black finish	EP-4-13PB
7000	29.2 ti.148°13		5 pole nickel finish	EP-5-13P
	3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5 pole black finish	EP-5-13PB
			6 pole nickel finish	EP-6-13P
	Ø50.8 [2*] → 36.5 [1.438*] →		6 pole black finish	EP-6-13PB
			8 pole nickel finish	EP-8-13P
			8 pole black finish	EP-8-13PB



AP SERIES

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

Features:

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

Specifications: Page 68 Panel Cutouts: Page 69

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
_			AP Male cable connector,	4 pole	AP-4-12
	AMPHENOL	28.8 [1.135*]	Machined contacts, Thermoplastic	5 pole	AP-5-12
19			Black shell.	6 pole	AP-6-12
	100.0 [3.937*]			8 pole	AP-8-12
			AP Female cable connector,	4 pole	AP-4-11
	MAHENO	ø28.8 [1.132*]	Machined contacts, Thermoplastic	5 pole	AP-5-11
(3)			Black shell.	6 pole	AP-6-11
	98.7 [3.886*]—			8 pole	AP-8-11
			AP Male chassis mount,	4 pole	AP-4-14
	29.2 (1.15°)— -90.8 (2°)—	2.8 [11] -6.2 [244] -31.8 [1.252]	Round Flange, Machined contacts, Thermoplastic Black shell.	5 pole	AP-5-14
				6 pole	AP-6-14
				8 pole	AP-8-14
	0.00 0.00 0.00	7.5 (295°) (395°) 1 836° (395°) 1 836°	AP Female chassis mount, Round Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-13
8				5 pole	AP-5-13
				6 pole	AP-6-13
	450.8 (\$2*)	2.8 [.11*] 6.2 [.244*] 36.5 [1.438*]	DIACK SHEII.	8 pole	AP-8-13
		<u></u>	AP Male chassis mount,	4 pole	AP-4-22
	29.2 [1.148]- 50.0 [1.969]-	-032.4 [91.276]]-	Rectangular Flange, Machined contacts,	5 pole	AP-5-22
	AMPHENOL		Thermoplastic Black shell.	6 pole	AP-6-22
Length	-29.2 [1.148"] - -40.0 [1.575"] -	2.8 [.11"] 	DIAUN SIICII.	8 pole	AP-8-22
-		7.5 [.295"]	AP Female	4 pole	AP-4-21
	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	432.4 [81.2767] – WNTVI	chassis mount, Rectangular Flange, Machined contacts,	5 pole	AP-5-21
			Thermoplastic	6 pole	AP-6-21
are les	Black shell.	DIAUN SIICII.	8 pole	AP-8-21	

STANDARD DATA EP/AP

				VALUE			
GENERAL	Number of contacts	3	4	5	6	8	
CHARACTERISTICS	Contact Arrangements (Front view of pin insert)	1 3	1 4 0 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 4 9 3 4	0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 8 6 0 3 5	
	Termination			SOLDER			
	Wire Gauge - Stranded wire:	12AWG	12AWG	12AWG	12AWG	14AWG	
	Flammability		•	UL94V-0			
	Environmental		Complies with	EU RoHS 2 Directi	ve 2011/65/EU		
ELECTRICAL	Service Voltage RMS ¹⁾	460V	660V	200V	200V	100V	
CHARACTERISTICS	Test Voltage AC RMS	2400V	3000V	1600V	1600V	1300V	
	Current carrying capacity	20A	20A	20A	20A	15A	
	Typicial Contact Resistance	≤3mΩ					
	Insulation Resistance	≥1000MΩ					
CLIMATIC	Protection Class			IP40			
CHARACTERISTICS	Operating Temperature		-25°C to	+75°C (-13°F to	+167°F)		
MECHANICAL	Weight - EP 11 & 12 2)	80g	84g	86g	86g	86g	
CHARACTERISTICS		(0.176lb)	(0.185lb)	(0.189lb)	(0.189lb)	(0.189lb)	
	Weight - EP 13 & 14 2)	48g	50g	54g	54g	54g	
		(0.105lb)	(0.110lb)	(0.119lb)	(0.119lb)	(0.119lb)	
	Weight - AP 11 & 12 2)	N/A	42g	44g	44g	44g	
			(0.092lb)	(0.097lb)	(0.097lb)	(0.097lb)	
	Weight - AP 13, 14, 21 & 22 ²⁾	N/A	26g	30g	30g	28g	
			(0.057lb)	(0.066lb)	(0.066lb)	(0.061lb)	
	Typical Cable retention force	22Kg to	44Kg (50lb to 100	lb) - Dependant on	cable material and	diameter	
	Mechanical operations			1000 mating cycle:	S		

Not suitable for domestic applications above 50V

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

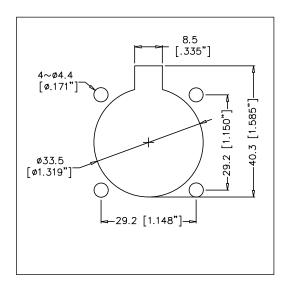
STANDARD DATA EP/AP (CONT'D)

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

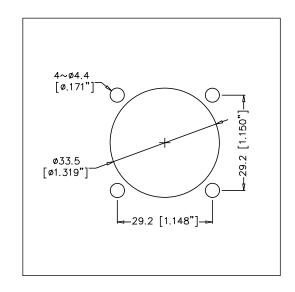
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EP/AP SERIES PANEL CUTOUT DATA - FRONT VIEW

EP 13/AP 13/AP 21



EP 14/AP 14/AP 22



Power Connectors

HP Series



HP Series

HP Series connectors are suitable for AC power supply where a latch locking connector is required. They are rated at 25 A $\!\!/$ 250 Vac. Connectors are keyed and colour coded for power-in (Blue) and power-out (Grey).

THE HP SERIES OF CONNECTORS ARE NOT DESIGNED TO BE "HOT PLUGGED" AND SO ARE WITHOUT "BREAKING CAPACITY". IN OTHER WORDS, THE CONNECTORS SHOULD NOT BE CONNECTED OR DISCONNECTED LIVE OR WHEN UNDER LOAD

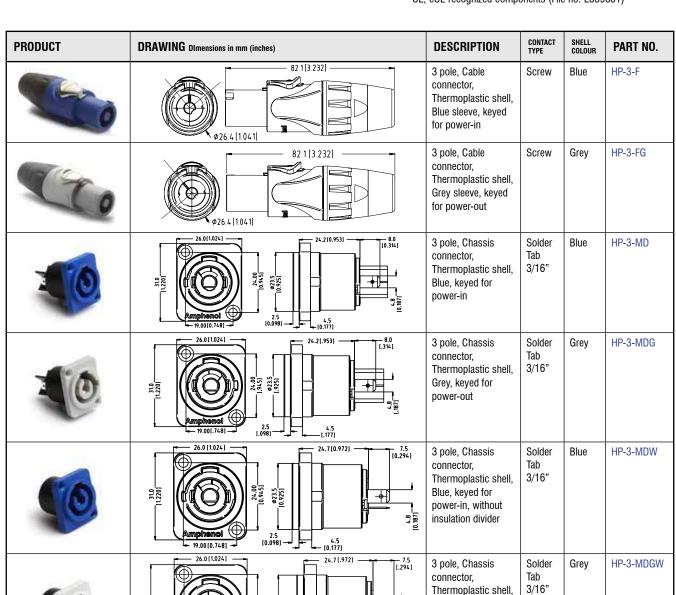
Features:

- · Quick release, vibration resistant latch lock
- 3 pole
- Screw Terminals or Solder Tab 3/16"
- · Chuck type cable clamp
- 25A Current rating
- · Thermoplastic housing
- · Industry standard mating

Grey, keyed for

power-out, without insulation divider

• UL, cUL recognized components (File no. E339831)



31.0

70

ø23.5 .925]

2.5 [.098]

STANDARD DATA HP SERIES CONNECTORS

		VALUE
GENERAL	Number of contacts	2 + PE
CHARACTERISTICS	Termination	Screw or Solder Tab 3/16"
	Flammability	UL94V-0
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL	Rated Operating Voltage	250VAC
CHARACTERISTICS	Test Voltage AC RMS	3200V
	Current carrying capacity	25A
	Typical Contact Resistance	≤3mΩ
	Insulation Resistance (initial)	≥2GΩ
	Insulation Resistance (after damp heat test)	≥1GΩ
CLIMATIC	Protection Class	IP20
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to +167°F)
MECHANICAL CHARACTERISTICS	Weight** - Chassis Connector - Cable Plug	12g (0.026lb) 32g (0.070lb)
	Typical Cable retention force	200N (Subject to cable material and O.D.)
	Cable O.D range - Blue Chuck Clamp - Black Chuck Clamp	5mm - 7.5mm (0.19" - 0.29") 7.5mm - 15mm (0.29" - 0.59")
	Conductor Size - Screw Terminals	2.5mm² (AWG14)
MATERIALS	Connector Shell / Finish	PA66 GF30 / Black
	Insulators	PA66 GF30
	Cable Boot / Backshell	Santoprene / PBT
	Cable Clamp (Chuck)	P.O.M
	Contact Plug - Material / Plating	Brass / Silver
	Contact Chassis - Material / Plating	Phosphor Bronze / Silver

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

Power Connectors

HPT Series



HPT Series

 $\ensuremath{\mathsf{HPT}}$ Series connectors are suitable for AC power supply where a durable latch locking connector is required. They are rated at 16A, 250 Vac. HPT Series connectors can be connected or disconnected under load and are IP65 rated.

Features:

- 2+PE contact layout
 Quick release, vibration resistant latch lockable
- High impact UV resistant material
 True Mains Connector with Current Breaking Capacity (CBC)
- 16A current rating (20A USA)
 Industry standard mating interface
 IP65 rated
- US. Patents (10,186,804)(D839,193)(D840,341)
- UL498 certified
- UL50E enclosure type 4 (when mated or in combination with protective caps)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	CONTACT TYPE	SHELL COLOUR	PART NUMBER
The state of the s	(281) F 62	79 [3.098*]	3 pole, Outlet Cable connector, Locking, Thermoplastic shell, Screw terminals, Lockable backshell	Screw	Black	HPT-3-F
	2005	79 (3.0947)	3 pole, Outlet Cable connector, Locking, Thermoplastic shell, Screw terminals	Screw	Black	HPT-3-FJ
	1921) 0 22	77 [3.043°]	3 pole, Inlet Cable connector, Locking, Thermoplastic shell, Screw terminals, Lockable backshell	Screw	Black	HPT-3-M
	1 o 20 o 5	77 [3.0437]	3 pole, Inlet Cable connector, Locking, Thermoplastic shell, Screw terminals	Screw	Black	HPT-3-MJ
	9.0 [.748"] 93.2 [0.126"] 10.126"] 10.126"] 10.126"] 10.126"]	23.7 [.933"] -0.5 [.415"] 23.7 [.933"] -0.5 [.415"] 23.7 [.935"] -0.5 [.415"]	3 pole, Chassis Inlet connector, Thermoplastic shell, ½" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-MD
	93.2 [8.126*] 93.2 [8.126*]	23.7 [.933'] 10.5 [.4.13']	3 pole, Chassis Inlet connector, Thermoplastic shell, without insulation divider, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-MDW
(6)	03.2 [0.126] - 24.4. [.96	24.0 [.945] 	3 pole, Chassis Outlet connector, Thermoplastic shell, ½" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-FD
	03.2 [0.125] — 24.4 [.961]	24.0 [.945"] — 10.5 [.413"] — 10.5 [3 pole, Chassis Outlet connector, Thermoplastic shell, without insulation divider, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-FDW
	-0.0 (2.402°)	85.4 [8.154] 26.2 [1.051] 26.2 [1.051] 26.2 [1.051] 26.3 [177]	3 pole, Chassis Inlet-Outlet combination, Thermoplastic shell, 1/4" flat tab terminals	Tab 1/4"	Black/ Yellow	HPT-3-CC

Power Connectors

HPT Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	COLOUR	PART NUMBER
0	Ø3.0 [Ø0.12]	0.8 [1.21]	Protective sealing cap with stainless steel lanyard to suit HPT-3-MD / HPT-3-MDW	Black	HPT-CAPM
0.0	03.0 [00.12]	40.4 [1.59]	Protective sealing cap with stainless steel lanyard to suit HPT-3-FD / HPT-3-FDW	Black	HPT-CAPF
	Ø3.0 (Ø0.12)	-86.0 [2.60]	Protective sealing cap with stainless steel lanyard to suit HPT-3-CC	Black	HPT-CAPD
	74		Protective Self-closing sealing cap with stainless steel spring to suit HPT-3-MD / HPT-3-MDW	Black	HPT-CAPSM
	[60:1] 6:69	23.2 (20.13)	Protective Self-closing sealing cap with stainless steel spring to suit HPT-3-FD / HPT-3-FDW	Black	HPT-CAPSF
	[9:0] [1:0]	03.2 (00.13)	Protective Self-closing sealing cap with stainless steel spring to suit HPT-3-CC	Black	HPT-CAPSD
	28:- 28:- 28:- 28:- 28:- 38:- 38:- 38:- 38:- 38:- 38:- 38:- 3	21.0 [0.83]	Cable connector backshell lock release tool	Black	HPT-RT

STANDARD DATA HPT SERIES CONNECTORS

		VALUE
GENERAL	Number of contacts	2 + PE
CHARACTERISTICS	Termination - Cable Connector - Chassis Mount	2mm Hex key screw terminal Flat Tab 1/4"
	Flammability	UL94V-0
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL	Rated Operating Voltage	250VAC
CHARACTERISTICS	Test Voltage AC RMS	1500V
	Current carrying capacity	16A (20A USA)
	Typical Contact Resistance	≤2mΩ
	Insulation Resistance (initial)	≥2GΩ
	Insulation Resistance (after damp heat test)	≥0.1GΩ
CLIMATIC	Protection Class	IP65, UL50E enclosure type 4 (in mated or in combination with protective caps)
CHARACTERISTICS	Operating Temperature	-25°C to +80°C (-13°F to +176°F)
MECHANICAL CHARACTERISTICS	Weight** - Chassis Connector - Cable Plug	15g (0.033lb) / 25g (0.055lb) 40g (0.088lb)
	Typical Cable retention force	Subject to cable material and O.D.
	Cable O.D range	6.0 -12.0 mm with lockable backshell 7.5 -16.0 mm with non-lockable backshell
	Conductor Size - Screw Terminals	2.5mm² (AWG12)
MATERIALS	Connector Shell / Finish	PA66 GF30 / Black
	Insulators	PA66 GF30
	Cable Boot / Backshell	Neoprene / PBT
	Contact Plug - Material / Plating	Copper Alloy / Silver
	Contact Chassis - Material / Plating	Copper Alloy / Silver

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

Amphe-Dante Adapters



Amphe-Dante Adapters

Amphe-Dante are Dante™ audio to analogue audio adapters, available for Input, Output, AES3 and USB applications. Featuring premium quality Amphenol AX series XLR and RJ45 connectors in a robust molded housing.

Amphe-Dante products enable simple connection of analogue equipment to a Dante network and can receive and transmit audio channels from a Dante network and provide studio-quality, low-latency audio via XLR connectors to and from analogue audio equipment.

Amphe-Dante feature high-quality digital-toanalogue converters, and support a range of sample rates and bit depths. They can provide a hardware master clock for a Dante network. As with other Dante products, the freely available Dante Controller software application is used to automatically discover and configure Amphe-Dante devices connected to the Dante network. Device names, channel labels, signal routing and other parameters (for example, sample rate and latency) can be configured via the network using Dante Controller. A variety of network and clock synchronisation diagnostic tools are also available in Dante Controller.

Amphe-Dante products use Power over Ethernet (PoE). Power can be provided through the Ethernet cable from a PoE-capable network switch, or from a separate PoE injector.

Available Software Options (required)

Dante Controller

Dante Controller is a free software application that enables you to route audio and configure devices on a Dante network. As well as automatic device discovery, one-click signal routing and user-editable device and channel labels, Dante Controller provides essential device status information and powerful real-time network monitoring, including device-level latency and clock stability stats, multicast bandwidth usage, and customized event logging, enabling you to quickly identify and resolve any potential network issues.

Dante Via

Dante Via is powerful and easy-to-use software that delivers unprecedented routing of computer-based audio, allowing a wide range of applications and devices to be networked and interconnected, easily and inexpensively. Dante Via network-enables locally-connected USB and Firewire devices, and a huge range of software applications, allowing you to route computer -based audio across an existing Dante network, and create standalone Dante networks without dedicated Dante hardware.

Dante Virtual Soundcard

Dante Virtual Soundcard turns your computer into a Dante-powered workstation, seamlessly integrating your PC or Mac with Dante audio devices on your network. You can instantly connect to a Dante network to record, process and playout using any audio application and any combination of Dante-enabled devices.

@Dante

Dante Controller



All software can be purchased and downloaded at

amphenolaudio.com/products/dante

Dante™ is a trademark of Audinate Pty Ltd. Audinate® is a registered trademark of Audinate Pty Ltd.

Amphe-Dante Adapters



Features:

- Dante™to analogue XLR output adapters
 Line level analogue input to Dante™ audio output adapters
 Dante™AES3 2 channel input/output adapters
 Dante™USB input/output adapters
 One channel or Two channel analogue input or output

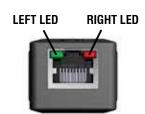
- Durable overmolded housing
- Resilient cable strain relief
 Shielded RJ45 metal connectors with integrated LED's
- Premium AX Series XLR connectors

	PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	PART NO.
ANA	ALOGUE OUTPUT	500 [19.69] -72 [2.84] -72 [2.84] -72 [2.84] -72 [2.84] -72 [2.84]	Analogue Output - 1 channel, RJ45 input to XLR output, Durable overmolded housing	RJD1112-0050
		500 [19.69] 28 [1.11] 4	Analogue Output - 2 channel, RJ45 input to XLR output, Durable overmolded housing	RJD1212-0050
ANA	ALOGUE INPUT	72 [2.84]	Analogue line level Input - 1 channel XLR input to RJ45 output, Durable overmolded housing	RJD2103-0050
		500 [19.69] 28 [1.11] 42 Ampho-Danto 560	Analogue line level Input - 2 channel XLR input to RJ45 output, Durable overmolded housing	RJD2203-0050
AES	3	72 [2.84] 72 [2.84] 72 [2.84] 75 [2.84]	AES3 Input / Output - 2 channel XLR I/O to RJ45 I/O, Durable overmolded housing	RJD32A3-0050
USI		500 [19.69]	USB Input / Output - 2 channel USB I/O to RJ45 I/O Durable overmolded housing	RJD32U1-0050

SPECIFICATIONS

		ANALOG INPUT 1CH	ANALOG INPUT 2CH	ANALOG OUT- Put 1ch	ANALOG OUT- Put 2ch	AES3 I/O 2 IN 2 OUT	USB I/O 2 IN 2 OUT
GENERAL	Connectors	1 XLR-F	2 XLR-F	RJ45	RJ45	RJ45	RJ45
		RJ45	RJ45	1 XLR-M	2 XLR-M	1 XLR-M, 1 XLR-F	USB 2.0 Type A
ELECTRICAL	Power Consumption			< 2	Watt		
	Power over Ethernet (Required)		Class 1 IE	EE 802.3af POE PD	compliant		PoE or USB
ANALOG / Digital audio	Max Signal Level (Balanced)		-4dBu / 0dBu -10dBV		4dBu / 0dBu -10dBV	-	-
	Impedance		balanced unbalanced	150 Ohm 75 Ohm u	balanced nbalanced	110 Ohm balanced	-
	Frequency Response	20Hz to 20 kl	Hz (+/-0.5db)	20Hz to 20 kł	Hz (+/-0.5db)	-	=
	Dynamic Range	> 1	00dB	> 1	00dB	-	-
	Signal to Noise	> 100dB > 100dB			> 135dB	-	
	Total Harmonic Distortion	< 0.01%	at +4dBu	< 0.01%	at +4dBu	-	-
	Channel Separation	N/A	> 100 dB	N/A	> 100 dB		-
	Channel Matching	N/A	< 0.25 dB	N/A	< 0.25 dB		-
DANTE® AUDIO	Asynchronous Sample Rate Conversion		-		-	Yes	-
	Sample Rate		44.1 kHz,	48 kHz (default), a	nd 96 kHz		48 kHz
	Bit Depth			24	bits		
	Network Speed			100	Mbps		
	Network Interface			Latency t	rom 1ms		
	Network Transport			Dante Audio ove	r IP, AES67 RTP		
CLIMATIC	Protection Class			IP	40		
	Operating Temperature	-5°C to +60°C (23°F to +140°F)					
MECHANICAL	Insertion and Withdrawal Force	≥10N - ≤35N					
	Weight	136g (0.299lb)	192g (0.423lb)	136g (0.299lb)	192g (0.423lb)	192g (0.423lb)	110g (0.243lb)
MATERIALS	Housing			PVC 60	P Black		

LED STATUS



FUNCTION	LEFT LED	RIGHT LED	COMMENT
Off	OFF	OFF	No Power
Device is booting	Solid GREEN	Solid RED	
Slave with sync	Blinking GREEN	Solid GREEN	Normal operation
Clock Master	Blinking GREEN	Blinking GREEN	Normal operation
Any runtime error	Blinking GREEN	Blinking RED	Normal operation
Identify	Alternating RED and GREEN	Alternating RED and GREEN	Blinking for 6 seconds (cycle every 0.5 seconds)
Failsafe (bootloader)	Blinking RED	Blinking RED	Failsafe, Corrupt Capability (red in DC)
Upgrade (bootloader)	Blinking ORANGE	Blinking ORANGE	Device is upgrading

XLRnet RJ45 Ethernet Series



XLRnet Connectors

XLRnet was designed in conjunction with the Amphenol Data / Telecom product group of Amphenol Canada Corp., a subsidiary of Amphenol Corporation. Utilising our combined expertise and knowledge of the professional audio and high-speed data markets we are proud to offer the XLRnet series. Featuring Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance in A, B or D shell housings with integrated LED's and complete shielding options we have your high-speed data requirements covered.

Features

- Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance
- A, B or D type chassis housings
- IDC or IDC 110 punch down terminals
- · RJ45 feedthrough panel connectors
- Shielded or non-shielded
- · LED indicators in a variety of colours.
- · Compact design
- Cable plug housings
- · Quick and simple installation

Options

- · Horizontal or Vertical PCB contacts
- · Bulk Packaging
- LED colour Red, Green, Yellow or Blue combinations

Ordering Codes

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

Simple steps to guide you in using this catalogue

- 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.



XLRnet SERIES

Features/Benefits:

- XLR RJ45 Cable plug housing.
- Designed for pre-assembled RJ45 cables.
- Quick and simple installation.
- Cost effective method for harsh environments.
- · No cabling in field required.
- No tools required for installation.
- · Available in Nickel or Black housings.
- · Coloured boots / Backshells

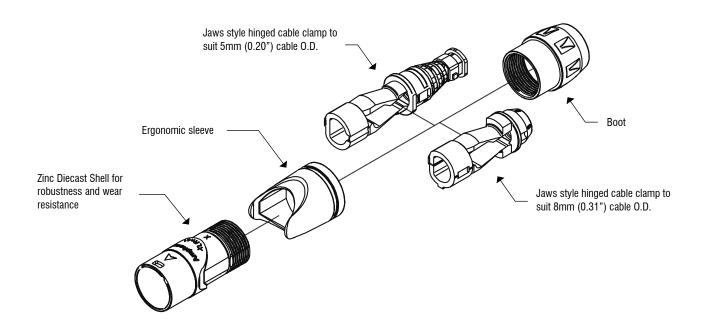
Specifications: Page 80 Part Number Breakdown : Page 80

Assembly Instructions: Page 81

 $\ensuremath{\mathsf{NOTE^*RJ45}}$ preassembled cable sold separately and is not included with the XLRnet connector.

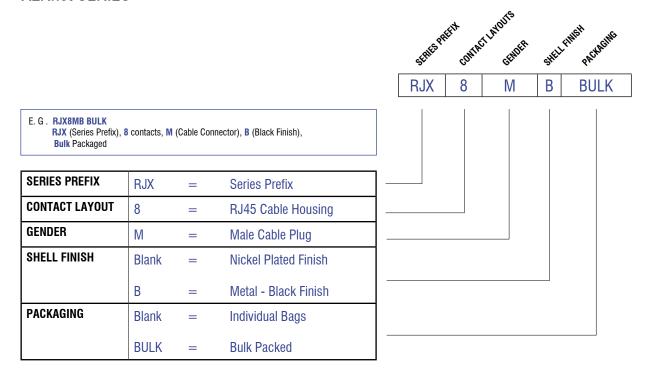
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
- Control of the Cont		84 [3.31"]	XLRnet, XLR cable plug housing to suit preas- sembled RJ45 cables, Nickel Finish	Standard	RJX8M
	φ 2.1 [.81"]		Noterringi	Bulk Pack	RJX8M BULK
ALL STATES	1	[3.31"]	XLRnet, XLR cable plug housing to suit preassembled RJ45	Standard	RJX8MB
	### Amphenol		cables, Black Finish	Bulk Pack	RJX8MB BULK

ISO VIEW OF RJX8M



PART NUMBER BREAKDOWN

XLRnet SERIES



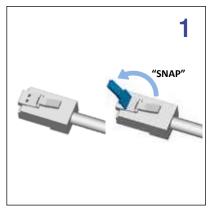
STANDARD DATA XLRnet SERIES

		VALUE
GENERAL	Termination	Preassembled RJ45 Cable (Not supplied)
CHARACTERISTICS	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
CLIMATIC	Protection Class	IP40
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to -167°F)
MECHANICAL	Insertion and Withdrawal force	≥10N - ≤20N
CHARACTERISTICS	Weight 2)	26g (0.057lb)
	Cable O.D. range	5 or 8mm (0.20" or 0.31")
	Mechanical Operations	1000 mating cycles
MATERIALS	Connector shell - Metal Shell finish	Diecast Zinc Alloy Satin nickel or Black
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Valox Black
	Cable clamp	PA6
	Sleeve	Valox

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

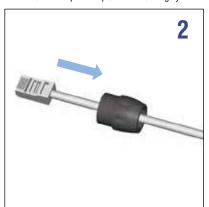
80

XLRnet SERIES CABLE ASSEMBLY INSTRUCTIONS



Snap or cut off release tab of the RJ45 plug.

Failure to remove the RJ45's Release Tab will make the XLRnet assembly permanently latching. The XLRnet series has an independent panel side latching system.



Slide the nut (backshell) onto the cable.



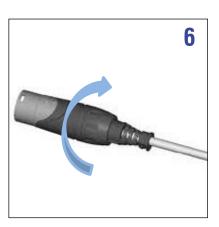
Install the cable clamp-boot.



Close clamp-boot, fasten the two tabs together to lock.



Push clamp-boot & cable together into the shell



Thread the nut (backshell) onto the shell (torque 0.8Nm-1.2Nm) to close the connector assembly.

XLRnet RJ45 Ethernet Series



XLRnet SERIES A & B Type

Features:

- RJ45 Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) Ethernet performance
- . A or B type chassis housings
- · Shielded or non-shielded
- LED indicators in a variety of colours.
- · Horizontal or Vertical PCB
- Mates with XLRnet cable plugs or standard RJ45 plug.

Part Number Breakdown: Page 84

Specifications: Page 89 PCB Footprints: Page 88

Recommended Fastener: Page 134

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE		D* /RHS	PART NUMBER
***	19.80 2.7 2.7 (PUSH)	19.7	XLRnet chassis, A type, Horizontal PCB	Class D	-	-	RJX8FA3HB
	98 61	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		CAT5E			RJX8FA5HB
110	THIIIIIIP E			CAT6			RJX8FA6HB
	19.80 2.7 2.7 (PUSH)	19.7	XLRnet chassis B type, Horizontal PCB	Class D	-	-	RJX8FB3HB
	527			CAT5E			RJX8FB5HB
	HIIIIII E			CAT6			RJX8FB6HB
		XLRnet chassis,	CAT5E	R	G	RJX8FB5HRGB	
			B type, LEDs, Horizontal PCB, Bulk packed		R	Υ	RJX8FB5HRYB
					R	R	RJX8FB5HRRB
Care dia	19.80 2.7 19.7 -	19.7 — 24.9 — 7			G	R	RJX8FB5HGRB
1 0 A	• • • • • • • • • • • • • • • • • • •				G	Υ	RJX8FB5HGYB
	13.5				U	U	RJX8FB5HUUB
				CAT6	R	G	RJX8FB6HRGB
					R	Υ	RJX8FB6HRYB
		•			R	R	RJX8FB6HRRB
					G	R	RJX8FB6HGRB
					G	Υ	RJX8FB6HGYB
					U	U	RJX8FB6HUUB
	19.80 2.7 2.7 PUBH	25.4	XLRnet chassis, B type, Shielded Hood,	Class D	-	-	RJX8FB3HEB
		Horizontal PCB, Bulk packed	CAT5E			RJX8FB5HEB	
				CAT6			RJX8FB6HEB

*Note: LED colours are denoted left to right from the panel side front view. Refer page 88 R = Red, G = Green, Y = Yellow, U = Blue

XLRnet RJ45 Ethernet Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE		ED* S/RHS	PART NUMBER
			XLRnet chassis,	CAT5E	R	G	RJX8FB5HRGEB
			B type, Shielded Hood,		R	Υ	RJX8FB5HRYEB
			LEDs, Horizontal PCB, Bulk packed		R	R	RJX8FB5HRREB
	19.8 - 37	20.1			G	R	RJX8FB5HGREB
	2.7	25.4			G	Υ	RJX8FB5HGYEB
					U	U	RJX8FB5HUUEB
		28.8		CAT6	R	G	RJX8FB6HRGEB
					R	Υ	RJX8FB6HRYEB
	י שני מיני מיני מיני מיני מיני מיני מיני				R	R	RJX8FB6HRREB
					G	R	RJX8FB6HGREB
					G	Υ	RJX8FB6HGYEB
					U	U	RJX8FB6HUUEB
-	19.80 2.7-	18.3 24.9	XLRnet chassis, A type, Vertical PCB	Class D	-	-	RJX8FA3VB
	Amphanol			CAT5E			RJX8FA5VB
100				CAT6			RJX8FA6VB
	19.80 2.7 18.3 -3.4 24.9	XLRnet chassis, B Type, Vertical PCB	Class D	-	-	RJX8FB3VB	
			CAT5E			RJX8FB5VB	
				CAT6			RJX8FB6VB
			XLRnet chassis,	CAT5E	R	G	RJX8FB5VRGB
			B type, LEDs,		R	Υ	RJX8FB5VRYB
			Vertical PCB, Bulk packed		R	R	RJX8FB5VRRB
C. Takes	19 80 - 27 - 18 3 - 18 3 - 18	- 18 3 	Built puolitou		G	R	RJX8FB5VGRB
The French	14.00-				G	Υ	RJX8FB5VGYB
200					U	U	RJX8FB5VUUB
	Amphenol 8			CAT6	R	G	RJX8FB6VRGB
2					R	Υ	RJX8FB6VRYB
					R	R	RJX8FB6VRRB
					G	R	RJX8FB6VGRB
					G	Υ	RJX8FB6VGYB
					U	U	RJX8FB6VUUB
19.80 2.7-	19.80 2.7-	18.3 25.4	XLRnet chassis, B type,	Class D	-	-	RJX8FB3VEB
			Shielded Hood, Vertical PCB,	CAT5E			RJX8FB5VEB
	8.5		Bulk packed	CAT6			RJX8FB6VEB

*Note: LED colours are denoted left to right from the panel side front view. Refer page 88 $R=Red,\,G=Green,\,Y=Yellow,\,U=Blue$

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XLRnet RJ45 Ethernet Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE		D* /RHS	PART NUMBER
			XLRnet chassis,	CAT5E	R	G	RJX8FB5VRGEB
			B type, Shielded Hood,		R	Υ	RJX8FB5VRYEB
			LEDs, Vertical PCB, Bulk packed		R	R	RJX8FB5VRREB
	19.80 2.7- 18.3 3 3	18.3 			G	R	RJX8FB5VGREB
					G	Υ	RJX8FB5VGYEB
		CAT6			U	U	RJX8FB5VUUEB
	Amphenol			CAT6	R	G	RJX8FB6VRGEB
					R	Υ	RJX8FB6VRYEB
					R	R	RJX8FB6VRREB
				G	R	RJX8FB6VGREB	
					G	Υ	RJX8FB6VGYEB
					U	U	RJX8FB6VUUEB

^{*}Note: LED colours are denoted left to right from the panel side front view. Refer page 88 R = Red, G = Green, Y = Yellow, U = Blue

PART NUMBER BREAKDOWN

XLRnet A and B Type Printed Circuit Board Connectors

E. G. RJX8FB5HLRREB
RJX (Series Prefix), 8 (Contacts), Female B type, 5 Cat5E Horizontal, Latchless,
Red - Red LEDs, EMI / RFI Hood, Bulk Packaged.

SERIES PREFIX	RJX	=	Series Prefix
CONTACT LAYOUT	8	=	RJ45 type
GENDER	F	=	Receptacle housing
SHELL SERIES	A B	=	A Type B Type
TRANSMISSION CLASS	3 5 6	= = = =	Class D CAT 5e CAT 6
TERMINATION	H V	= =	Horizontal Printed Circuit Board Vertical Printed Circuit Board
LOCKING MECHANISM	Blank P	= =	Latching Push lever supplied separately for customer installation (Contact factory for detailed fitting instructions)
LED COLOUR SEQUENCE*	Blank RG RY RR GR GY GG YR YY YG UU	= = = = = = = = = =	No LEDs Red / Green Red / Yellow Red / Red Green / Red Green / Yellow Green / Green Yellow / Red Yellow / Yellow Yellow / Jellow Yellow / Green Blue / Blue
EMI / RFI Shielding Hood	Blank E	= =	No shield hood EMI / RFI shield hood
PACKAGING	Blank B	= =	Individual Bulk packed

RJX

8

В 5

THINSHESON CLASS

urrande Medikalah

RR

В

^{*}Note: LED colours are denoted left to right from the panel side front view. Refer Page 88



XLRnet SERIES D Type

Features:

- RJ45 Class D (10/100 Base-T), CAT5E (1000 Base-T) or CAT6 (10GBASE-T) Ethernet performance
- D type XLR standard housings
- IDC Punchdown block
- Thru-adaptor / Feedthrough
- · Horizontal or Vertical PCB

Part Number Breakdown: Page 87

Specifications: Page 89 PCB Footprints: Page 88

Recommended Fastener: Page 134

PRODUCT - FIGURE	DRAWING	Dimensions in r	nm (inches)	DESCRIPTION	TYPE	PART NUMBER
	26 0 19 00 1	25 - 20 1 - 15 4	Authorized of Au	XLRnet chassis, D type, Feedthrough, Nickel Finish	CAT5E	RJX8FD5T
	26.0 21 19.00 Pused	5 198 160	568 1430 A B 1582	XLRnet chassis, D type, IDC Terminals, 110 type, Nickel Finish	CAT5E	RJX8FD5110
	Amphaerol Amphaerol				CAT6	RJX8FD6110
	26.0 2 5 5 19 00 PubBis	19 8	568 A.B. A.B.	XLRnet chassis, D type, IDC Terminals, Nickel Finish	CAT5E	RJX8FD5I
	Amphanol				CAT6	RJX8FD6I
191	19 00 PUSH	25	26.0	XLRnet chassis, D type, Horizontal PCB, Nickel	Class D	RJX8FD3HB
1/2	Anglese			Finish	CAT5E	RJX8FD5HB
	Amphenol				CAT6	RJX8FD6HB
40	19.00 PUSH	2.5	26.0	XLRnet chassis, D type, Vertical PCB, Nickel Finish	Class D	RJX8FD3VB
	Amphana				CAT5E	RJX8FD5VB
	Amphanol Amphanol				CAT6	RJX8FD6VB

XLRnet RJ45 Ethernet Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	ТҮРЕ	PART NUMBER
16	28 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	55 15 15 15 15 15 15 15 15 15 15 15 15 1	XLRnet chassis, D type (IP54), Feedthrough, Nickel Finish	CAT5E	RJXS8FD5T
	28.0	5.5 3.7 17.5 18.0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	XLRnet chassis, D type (IP54), IDC Terminals,	CAT5E	RJXS8FD5110
	Amphenol		110 type, Nickel Finish	CAT6	RJXS8FD6110
18		55 550 5 500 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5 500 5	XLRnet chassis, D type (IP54), IDC Terminals,	CAT5E	RJXS8FD5I
	Amphenol		Nickel Finish	CAT6	RJXS8FD6I
100		28,38	XLRnet chassis, D type (IP54),	Class D	RJXS8FD3HB
			Horizontal PCB, Nickel Finish	CAT5E	RJXS8FD5HB
	Amphenol			CAT6 Class D	RJXS8FD6HB RJXS8FD3VB
P			XLRnet chassis, D type (IP54), Vertical PCB,	CAT5E	RJXS8FD5VB
	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Nickel Finish	CAT6	RJXS8FD6VB
	28.0	6-16.1-15.4	XLRnet chassis with Protective cap, D type (IP54), Feedthrough, Nickel Finish	CAT5E	RJXS8FG5T
	26.0	6-17.8-16.0 F	XLRnet chassis with Protective cap, D type (IP54),	CAT5E	RJXS8FG5110
3	Amphonol		IDC Terminals, 110 type, Nickel Finish	CAT6	RJXS8FG6110
	26.0 5.6	3.9	XLRnet chassis with Protective cap, D type (IP54),	CAT5E	RJXS8FG5I
3	S A Complement		IDC Terminals, Nickel Finish	CAT6	RJXS8FG6I
	26.0	3.9	XLRnet chassis with Protective cap,	Class D	RJXS8FG3HB
			D type (IP54), Horizontal PCB, Nickel Finish	CAT5E	RJXS8FG5HB RJXS8FG6HB
	26.0	5.6	XLRnet chassis with	Class D	RJXS8FG3VB
			Protective cap, D type (IP54), Vertical PCB,	CAT5E	RJXS8FG5VB
3			Nickel Finish	CAT6	RJXS8FG6VB

PART NUMBER BREAKDOWN

XLRnet D TYPE Chassis Connectors

programme and the state of the COMMI LATOUTS FERNING TON E. G. RJX8FD3TB **RJX** 8 F D 3 В RJX (Series Prefix), 8 (Contacts), Female D type, 3 Class D Thru Adaptor, Bulk Packaged RJX Series Prefix **SERIES PREFIX** 8 RJ45 type **CONTACT LAYOUT** = **GENDER** F Receptacle housing = **SHELL SERIES** D D Type Class D 3 **TRANSMISSION** 5 CAT 5e **CLASS** CAT 6 6 = Horizontal Printed Circuit Board Н **TERMINATION IDC Punch Down Block** 110 IDC 110 Punch Down Block = Thru adaptor / Feedthrough Vertical Printed Circuit Board ٧ = Blank Latching = **LOCKING** Push lever supplied separately for **MECHANISM** customer installation

(Contact factory for detailed fitting instructions)

Individual

Bulk packed

Blank

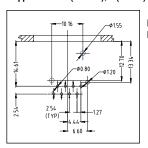
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PACKAGING

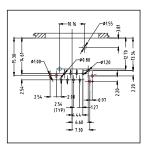
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^{*}Note: LED colours are denoted left to right from the panel side front view. Refer Page 88

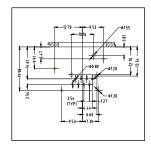
XLRNET A, B AND D TYPE SERIES * Applicable to 3 (Class D), 5 (CAT5E) and 6 (CAT6), where available



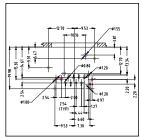
RJX8FA*H RJX8FA*HB



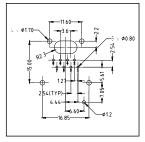
RJX8FB*HRGB RJX8FB*HRYB RJX8FB*HRRB RJX8FB*HGRB RJX8FB*HGYB RJX8FB*HGGB



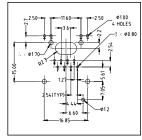
RJX8FB*HEB



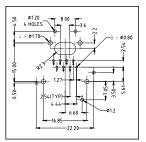
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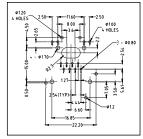
RJX8FA*VB RJX8FB*VB



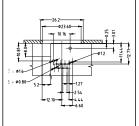
RJX8FB*VRGB RJX8FB*VRYB RJX8FB*VRRB RJX8FB*VGRB RJX8FB*VGYB RJX8FB*VUUB



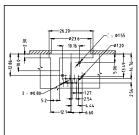
RJX8FB*VEB



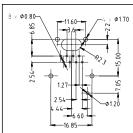
RJX8FB*VRGEB RJX8FB*VRYEB RJX8FB*VRREB RJX8FB*VGREB RJX8FB*VGYEB RJX8FB*VUUEB



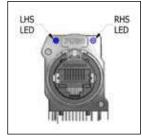
RJX8FD*HB (Front Mounting)



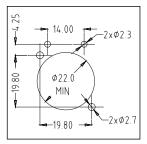
RJX8FD*HB (Rear Mounting)



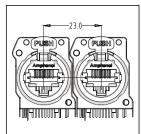
RJX8FD*VB



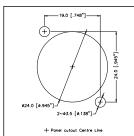
LED Arrangement (Front view)



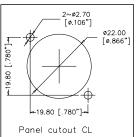
PANEL CUTOUT A and B type with LED's



XLRnet MOUNTING PITCH / A and B Type



D Type



A and B Type

STANDARD DATA XLRnet CHASSIS RECEPTACLES

			VALUE				
		Class D	CAT5E	CAT6			
GENERAL	Number of contacts		8				
CHARACTERISTICS	Contact Arrangement		RJ45				
	Termination	Printed Circuit Bo	ard (PCB) - through hole, Feedthrough	gh, IDC Terminal			
	Flammability		UL94V-0				
	Environmental	Compli	Complies with EU RoHS 2 Directive 2011/65/EU				
	Solderability	MIL-STD 202, Method 208					
ELECTRICAL	Rated current per contact		1.5 A				
CHARACTERISTICS	Rated Voltage		125V AC				
	Typical Contact Resistance		20mΩ				
	Insulation Resistance	> 500MΩ					
	Dielectric Strength						
	Max. Frequency	100Mhz	250MHz	250MHz			
	Ethernet Standard	10/100 BASE-T 1000 BASE-T 10GBASE-T					
	Transmission Spec.	EIA/	TIA568-C.2, ISO/IEC 11801, EN501	73			
	PoE+		802.3at Type 2				
	LED Type		Round, single pole, indicator				
CLIMATIC	Protection Class		IP40 (with EMI/RFI shield)				
CHARACTERISTICS	Operating Temperature	-	40°C to +80°C (-40°F to +176°F)				
MECHANICAL Characteristics	Weight** - A & B Housing - Shielded Housing - D Shell		11g (0.024lb) 17g (0.037lb) 25g (0.055lb)				
	Mechanical Operations		1000				
	Insertion and Withdrawal Force		≤ 21N				
	Latch		Spring Steel				
	Panel Thickness max.		3mm				
	Mounting screw torque max.		0.35Nm				
	Fastener		Self-Tapping screw M2.5				
MATERIALS	Connector Shell / Housing	Thermoplastic	c, DSM Stanyl UL94V-0, 30% GF / P.	A66 30% GF			
	Flange (A type)	Therm	noplastic, DSM Stanyl UL94V-0, 309	% GF			
	Flange (B type)		Diescast Zinc Alloy 3				
	Flange Finish (B type)		Satin Nickel				
	Contact		Phosphor Bronze				
	Contact Finish - Ground - RJ45		0.38 μ m Au over 1.27 μ m Ni 1.27 μ m Au over 1.27 μ m Ni				
	Metal Hood Shield EMI/RFI		Brass, nickel plated				
	Latch lock and Spring		Spring steel				

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

USB/HDMI Chassis Mount

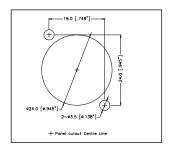


USB/HDMI Series

- Features:
 Data connectors
- Feedthrough adaptorsUSB 3 Type A
- HDMI receptacles

Options: Nickel or Black Shell Finish

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	-19.0 L748'3	USB 3.0, Feedthrough adapter, D Flange, Nickel Finish	Type A / Type A	AC-USB3-AA
	FRONT VIEW (61397) 30.7 (12991) REAR VIEW	USB 3.0, Feedthrough adapter, D Flange, Black Finish	Type A / Type A	AC-USB3-AAB
	-35 L138*) -19.0 L748*335 L138*) -10.6 L5863 1 8124 -10.6 L5863 1 8	HDMI, Feedthrough adapter, D Flange, Nickel Finish	HDMI / HDMI	AC-HDMI-RR
()	FRONT VIEW (e.1397) 5.7 (2247) REAR VIEW	HDMI, Feedthrough adapter, D Flange, Black Finish	HDMI / HDMI	AC-HDMI-RRB



PANEL CUTOUT DIMENSIONS

FRONT VIEW

AC-***

USB/HDMI TECHNICAL DATA

		VALUE		
GENERAL	Туре	USB 3.0	HDMI 2.0	
CHARACTERISTICS	Termination	Thru-adaptor		
	Max. Wire Gauge - Stranded Wire	AWG 14 - 2.5mm ²		
	Flammability rating of insulating plastics	UL94V-0		
	Solderability, complies with	IEC 68-2-20		
	Environmental	Complies with EU RoHS 2 Directive	2011/65/EU	
ELECTRICAL	Current Carrying Capacity	10A (Depends on Mating Con	nector)	
CHARACTERISTICS	Typical Contact Resistance	≤10mΩ (Depends on Mating C	onnector)	
	Insulation resistance (initial) After Damp Heat Test	$>2G\Omega$ $\geq 10^3 \text{ Meg } \Omega$		
	Dielectric Strength	1500 V dc		
CLIMATIC	Protection Class	IP40		
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to +	167°F)	
IECHANICAL	Insertion and Withdrawal Force	≥10N - ≤30N (depends on mating connector)		
CHARACTERISTICS	Cable O.D.	3mm to 7mm (0.118" to 0.275")		
	Mechanical Operations	500 mating cycles		
	Weight - Cable Mount - Panel Mount	18g (0.039lb) 30g (0.066lb)		
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA N	0.3	
	Connector Shell Finish	Satin Nickel or Coloured Pol	yester	
	Insulators	PA66		
	Cable Bushing	Thermoplastic Polyuretha	ine	
	Contacts	Brass Alloy		
	Plating	Gold Flash		

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



1/4" PHONE CONNECTORS

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

Applications

- · Audio Cables and Snakes
- Amplifiers
- · Mixing desks
- · Patch panel

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

- · Mono or Stereo (TRS)
- Switching Plugs
- Nickel or Gold contact plating
- Straight or Right Angle
- Optional heavy duty metal backshell / boot
- · Increased solder area on ground contact
- · "Jaws" Cable Clamp
- · Precision machined contacts
- Coloured Grommet
- JUMBO Series Plugs

PRO RANGE 1/4" Phone Plug Q-Series

Features / Options

- · Mono or Stereo (TRS)
- Slimline design
- Quick and Easy to assemble
- · Nickel or Gold contact plating
- Chuck style cable clamp
- · Nickel or Black shell finish
- · Molded backshell

MUSICIAN RANGE 1/4" Phone Plug Features / Options

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

Jaws Cable Clamp Options for T-Series*



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



Large Jaws cable clamp (Purple), Cable O.D 6mm to 7mm (0.236" to 0.275")

*Note: Applicable to T-Series straight cable connectors only. Refer to page 101 for right angle connector Jaws cable clamp specifications.

Chuck Clamp for Q-Series



Standard Chuck clamp (Black), Cable O.D 3mm to 7mm (0.118" to 0.275")

Musician Range Cable Clamp Options



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



M-Series II, Cable O.D 6.5mm to 8mm (0.256" to 0.315")

Ordering Codes

We have listed the more common ordering codes in each section. Refer to our 1/4" plug product feature matrix found on the next page for assistance on selecting the right plug for your application.

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.

1/4" PLUG FEATURE MATRIX

SWITH THE SHIP SHIP THE SHIP T Shifted the state of the state Tellishin heit elistimstelis **FEATURES** PRECISION MACHINED CONTACTS X X CENTER CONTACT | 1 pc. Center Contact χ* X Χ Χ χ X 2 pc Press Fit Tip/Center Contact X X X* BARREL: Χ X Χ Χ Χ **Machined Tube Precision Extruded Tube** X X X **JAWS CABLE CLAMP** X Χ Χ X MIN. CABLE OD | Black Jaw: 3mm/0.118" X X X X Purple Jaw: 6mm/0.236" X X Purple Jaw: 5.5mm/0.216" Χ MAX. CABLE OD Black Jaw: 6mm/0.236" X X Χ χ Black Jaw: 5.5mm/0.216" Purple Jaw: 7.5mm/0.295" X X X Purple Jaw: 6.5mm/0.255" X **CHUCK CABLE CLAMP** MIN. CABLE OD Black Chuck: 3.5mm/0.137" Χ MAX. CABLE OD Black Jaw: 7mm/0.275" X X X STANDARD CABLE CLAMP X X Χ MIN. CABLE OD 7.5mm/0.295" MAX. CABLE OD 6mm/0.236" Χ 8mm/0.315" Χ 8.8mm/0.345" X 10.5mm/0.413" Χ **BACKSHELL FINISH** Satin Nickel X X Χ Χ Χ X Χ Black X X X X X X X X **Bright Nickel** Χ **Bright Gold** X **CONTACT MATERIAL/** Brass/Nickel (Ni) X X X X X X X X X **FINISH OPTIONS**

Brass/Gold over 2µm (Ni)

X

X

Χ

Χ

X

Χ

Χ

X

X

¹Custom Series - Minimum order quantities apply. Contact us for further details.

T-Series Plugs



T-Series

Features:

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

 Quick and easy assembly.
 Options: Gold Contacts, Large or Small Jaws Cable Clamp, Black Shell, Metal Backshell / Boot, Bulk Pack. Coloured grommets (ordered separately) Part Number Breakdown: Page 97 Specifications: Page 98

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
	94 [3.685"] → □	1/4" (6.35mmø) Mono Phone plug,	Standard	TM2P
	94 [3.685"] 059	Jaws cable clamp, Thermoplastic back- shell,	Gold Plated Contacts	TM2P-AU
Comment of the second	AMPHENOL	Satin finish.	Large Cable Clamp	TM2PJ
			Bulk Pack	TM2P BULK
	94 [3.685"] → □	1/4" (6.35mmø) Mono Phone plug,	Standard	TM2PB
The state of the s	94 [3.685"] 0.90 9.90 9.90 9.90 9.90 9.90 9.90 9.9	Jaws cable clamp, Thermoplastic back- shell,	Gold Plated Contacts	TM2PB-AU
	AMPHENOL	Black finish.	Large Cable Clamp	TM2PBJ
- 83			Bulk Pack	TM2PB BULK
	94 [3.685"]————	1/4" (6.35mmø) Stereo Phone plug,	Standard	TS3P
	II	Jaws cable clamp, Thermoplastic back- shell,	Gold Plated Contacts	TS3P-AU
Constitution of the second	AMPRISHOL	Satin finish.	Large Cable Clamp	TS3PJ
			Bulk Pack	TS3P BULK
	94 [3.685"]	1/4" (6.35mmø) Stereo Phone plug,	Standard	TS3PB
C	94 [3.685"] 0.80 9.90 9.90 9.90 9.90 9.90 9.90 9.90	Jaws cable clamp, Thermoplastic back- shell,	Gold Plated Contacts	TS3PB-AU
The state of the s	AMPHEMOL	Black finish.	Large Cable Clamp	TS3PBJ
A.S.			Bulk Pack	TS3PB BULK

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T-Series Plugs

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	94 [3.685"]————————————————————————————————————	1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard Gold Plated Contacts	TM2PN TM2PN-AU
	AMPMSNOL		Large Cable Clamp	TM2PNJ
*2			Bulk Pack	TM2PN BULK
	615 2 42	1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell,	Standard	TM2RJ
	-53 9 [2.12]	Satin finish.	Gold Plated Contacts	TM2RJ-AU
	615 [2 4.2]	1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*,	Standard	TM2RBJ
	33	Thermoplastic backshell, Black finish.	Gold Plated Contacts	TM2RBJ-AU
	30 5 120		Bulk Pack	TM2RBJ BULK
	615 [2.42]	1/4" (6.35mmø) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell,	Standard	TS3RJ
	30 5 [120]	Satin finish.	Gold Plated Contacts	TS3RJ-AU
	615 [2.42]	1/4" (6.35mmø) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back- shell,	Standard	TS3RBJ
	30 5 [120]	Black finish.	Gold Plated Contacts	TS3RBJ-AU

^{*}NOTE: Refer to page 101 for Jaws cable clamp specifications applicable to right angle connectors.

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T-Series Jumbo Plugs



T-Series (Jumbo)

Features:

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

Options: Gold Contacts, Bulk Pack Specifications: Page 101

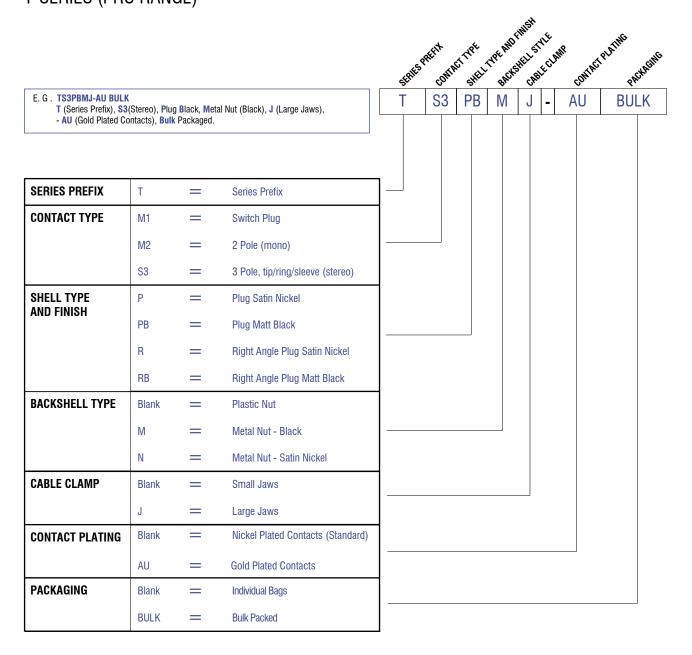
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
*		— 94 [3.690"]————————————————————————————————————	1/4" (6.35mmø) JUMBO Mono Phone plug, Thermoplastic back- shell,	Standard Gold Plated	JM2P JM2P-AU
		WHENOT 919	Satin finish.	Contacts Bulk Pack	JM2P BULK
			1/4" (C 25mma)	Standard	JM2PB
•	-	—94 [3.690"]————————————————————————————————————	1/4" (6.35mmø) JUMBO Mono Phone plug, Thermoplastic back-		
		AMPHENOL 616 6172 1272 1272 1272 1272 1272 1272	shell, Black finish.	Gold Plated Contacts	JM2PB-AU
	-	—94 [3.690"] ——63 [2.489"]	1/4" (6.35mmø) JUMBO Stereo Phone plug, Thermoplastic back- shell,	Standard	JS3P
The same of the sa		WHENOT PAGE 19	Satin finish.	Gold Plated Contacts	JS3P-AU
	-	-94 [3.690"] 	1/4" (6.35mmø) JUMBO Stereo Phone plug, Thermoplastic back- shell, Black finish.	Standard	JS3PB
		AMPHENOL 6 6 6 7 1 2 5 2 7 1	DIACK IIIIISII.	Gold Plated Contacts	JS3PB-AU

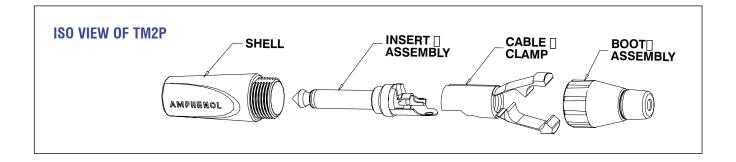
 ${\it NOTE: Contact factory for availability of metal backshells.}$

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PART NUMBER BREAKDOWN

T-SERIES (PRO RANGE)





T-Series SwitchPlug



T-Series SwitchPlug

The Amphenol T series SwitchPlug uses a unique 360 degree precision sliding helical spring contact design to quietly and accurately switch the signal circuit safely to ground during instrument changes under load, thereby avoiding annoying thumps, pops and squeals. The sliding ring contact self-cleans every time the plug is connected preventing excessive build up of oxidization and contamination. Activation is directly off the jacks full front face assuring a positive reference point every time, and as it works instantaneously on the main circuits there is no need for the use of magnets or other elaborate switching mechanisms.

For use with instrument (guitar) applications only.

Part Number Breakdown: Page 97 **Specifications: Page 101**

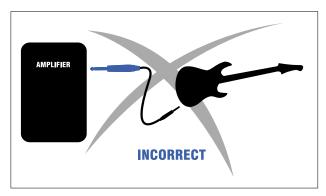
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	1.0	1/4" (6.35mmø) Switch Phone plug, Jaws cable clamp, Thermoplastic	Standard	TM1P
Indiana &	98.6 [3.883"] 98.6 [3.883"] 98.6 [3.883"] 98.6 [3.883"]	backshell, Satin finish	Gold Plated Contacts	TM1P-AU
			Large Cable Clamp	TM1PJ
	I.o	1/4" (6.35mmø) Switch Phone plug, Jaws cable clamp, Thermoplastic	Standard	TM1PB
1	98.6 [3.883"] 98	backshell, Black finish	Gold Plated Contacts	TM1PB-AU
**			Large Cable Clamp	TM1PBJ
	615 [2.420"]	1/4" (6.35mmø) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell,	Standard	TM1RJ*
	58.3 [2.296"]	Satin Finish	Gold Plated Contacts	TM1RJ-AU*
	615 2.420"	1/4" (6.35mmø) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell,	Standard	TM1RBJ*
	58.3 [2.296"]	Black Finish	Gold Plated Contacts	TM1RBJ-AU*

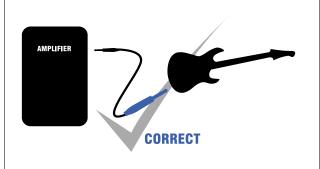
^{*}NOTE: Refer to page Page 101 for Jaws cable clamp specifications applicable to right angle connectors.

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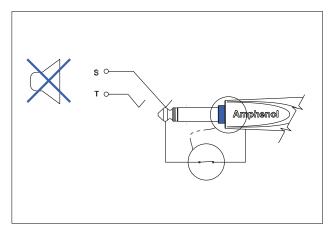
SwitchPlug - User Instruction

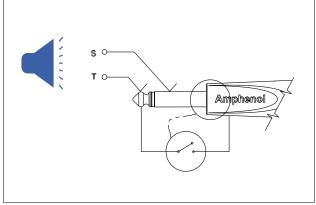






SwitchPlug - Technology*





*US Patent No. 8,162,697

Q-Series Plugs



Q-Series

Features:

- Mono or Stereo (TRS)
- · Slimline design
- Quick and Easy to assemble
- · Nickel or Gold contact plating
- Chuck style cable clamp
- · Nickel or Black shell finish
- Molded backshell

Options: Gold Plated Contacts, Black Shell, Bulk Pack.

Clamp Info:



Cable O.D 6.5mm to 8mm (0.256" to 0.315")

PRODUCT - FIGURE DRAWING DESCRIPTION VARIATIONS PART NUMBER Dimensions in mm (inches) Standard QM2P 1/4" (6.35mmø) Mono Phone plug, 83 [3.266*] Chuck cable clamp, ø.549* Molded boot, 53 [2.073"] Satin Finish Gold Plated QM2PB-AU 1/4" (6.35mmø) Mono Phone plug, Contacts Chuck cable clamp, 83 [3.266*] Molded boot, 53 [2.073"] Black Finish QS3P Standard 1/4" (6.35mmø) Stereo Phone plug, Chuck cable clamp, 83 [3.266*]· Molded boot, 53 [2.073*] Satin Finish Gold Plated QS3PB-AU 1/4" (6.35mmø) Contacts Stereo Phone plug, Chuck cable clamp, 83 [3.266*] Molded boot, 53 [2.073"] Black Finish

1/4" PHONE PLUG TECHNICAL DATA

				VALUE			
			Straight	Right Angle	Jumbo		
GENERAL	Number of (Contacts	3 Pole Tip Ring Sleeve (Stereo)				
CHARACTERISTICS	Termination		Solder				
	Max. Wire Gauge - Stranded Wire		2 Pole (Mono): AWG 16~1.5mm				
	Flammability	y rating of insulating plastics	3 Pole (Stereo): AWG 18~1mm UL94V-0				
		y, complies with	IEC 68-2-20				
	Environmen		Complie	es with EU RoHS 2 Directive 2011,	/65/EU		
ELECTRICAL	Current Cari	rying Capacity	· ·				
CHARACTERISTICS		tact Resistance		Depends on Mating Connector	,		
	Insulation R	esistance (initial)	>2GΩ				
	After Damp	Heat Test	≥1GΩ				
	District in Mi	Photostyl	2 Pole : 1.5 kV dc				
	Dielectric Withstand Voltage		3 Pole : 1 kV dc				
CLIMATIC	Protection C	Class		IP40			
CHARACTERISTICS	Operating To	emperature	-25°C to +75°C (-13°F to + 167°F)				
MECHANICAL	Insertion an	d Withdrawal Force	≥10N - ≤30N				
CHARACTERISTICS	I I I I I I I I I I I I I I I I I I I		28g (0.061lb)				
	Weight ¹	Metal Backshell	35g (0.077lb)				
	Typical Cab	le Retenton Force	22kg to 44kg (50lb to 100lb) - Dependent on cable material and diameter.				
		Standard Jaw (T-Series)	3mm to 6mm (0.118" to 0.236")	3mm to 5.5mm (0.118" to 0.216")	N/A		
	Cable O.D.	Large Jaw (T-Series)	6mm to 7mm (0.236" to 0.275")	5.5mm to 6.5mm (0.216" to 0.255")	N/A		
	Cable O.D.	Standard Clamp (Q-Series)	3.5mm to 7mm (0.137" to 0.275")	N/A	N/A		
		Jumbo	NA	NA	7.5mm to 10.5mm (0.295" to 0.413")		
	Mechanical	Operations		1000			
MATERIALS	Connector S	Shell Material		Diecast Zinc Alloy EZDA No.3			
	Shell Finish		Satin Nickel or Black Polyester				
	Insulators		UL94 V-0 PBT Resin or Modified PPE Resin - Black				
	Boot / Backs	shell	UL94 V-0 PBT Resin or Modified PPE Resin - Black or Metal CuZn ³⁹ Pb ³				
	Cable Clam	D	UL94	V-0 PBT Modified PPO Resin - B	lack		
	Cable Bushi	ng		Santoprene			
	Contacts / F	Plating		Brass/Ni or Au over 2 μ m Ni			

 $^{^{1} \} Approximate \ weight \ only, \ does \ not \ include \ packaging. \ Please \ contact \ us \ for \ exact \ weight \ for \ shipping \ purposes.$

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Musician Series II Plugs



Musician Series II

Features:

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



Clamp Info:

Cable 0.D 6.5mm to 8mm (0.256" to 0.315")

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

Specifications: Page 112

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
	79 [3.115"]———————————————————————————————————	1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-KN
5	Amphenoi		Gold Plated Contacts	ACPM-KN-AU
	79 [3.115"]———————————————————————————————————	1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-KB
	Amphenol		Gold Plated Contacts	ACPM-KB-AU
	79 [3.115"]———————————————————————————————————	1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-KN
	Amphenol		Gold Plated Contacts	ACPS-KN-AU
	79 [3.115"]———————————————————————————————————	1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-KB
	Amphenel		Gold Plated Contacts	ACPS-KB-AU

^{*}NOTE: Refer to page 103 for Jaws cable clamp specifications applicable to right angle connectors.

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Musician Series II Plugs

PRODUCT	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NO.
	61 [2.402"] Amphenol	1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-TN
	[1.205"] MAX. [.197"]-49.3 [1.941"]		Gold Contacts	ACPM-TN-AU
	30.6 [1.2 MAX 5.0 [.19		Bulk Pack	ACPM-TN BULK
	61 [2.402"] Amphenol	1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Black finish,	Standard	АСРМ-ТВ
	[1.205"] MAX. [.197"]— -49.3 [1.941"]	Flexible grommet.	Gold Contacts	ACPM-TB-AU
	30.6 [1.205"] MAX. 5.0 [.197"]		Bulk Pack	ACPM-TB BULK
	61 [2.402"] Amphenol	1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-TN
	[1.205"] MAX. [.197"]		Gold Contacts	ACPS-TN-AU
	30.6 [1.2 MAX. 5.0 [.193		Bulk Pack	ACPS-TN BULK
	61 [2.402"] Amphenol	1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-TB
	[1.205"] MAX. [.197"]————————————————————————————————————		Gold Contacts	ACPS-TB-AU
	30.6 [1.205"] MAX. 5.0 [.197"]		Bulk Pack	ACPS-TB BULK

Musician Series II Plugs



Features:

- Mono or Stereo (TRS).
- · Stylish shell design.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
 Flexible grommet cable protection.
 Improved solderability.

- Precision machined contacts.
 Standard or Bulk packaging.
 Cable OD Entry to 6.5mm (0.256")

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

Specifications: Page 115

Clamp Info:



Cable O.D 3mm to 6.5mm (0.118" to 0.256")

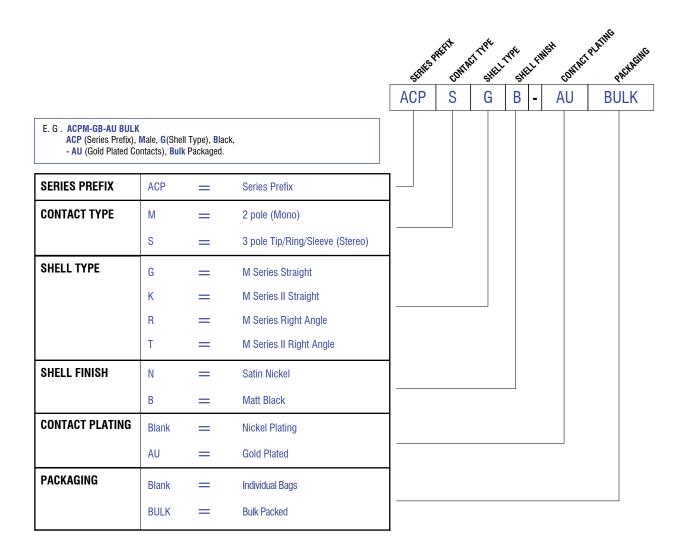
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	100	-79 [3.115"]	1/4" (6.35mmø) Mono Phone plug, Diecast Shell,	Standard	ACPM-GN
	Amphenol	Satin finish, Flexible grommet.	Gold Plated Contacts	ACPM-GN-AU	
			Bulk Pack	ACPM-GN BULK	
	1	-79 [3.115"]	1/4" (6.35mmø) Mono Phone plug, Diecast Shell,	Standard	ACPM-GB
	Amphenol	Black finish, Flexible grommet.	Gold Plated Contacts	ACPM-GB-AU	
			Bulk Pack	ACPM-GB BULK	
	-	-79 [3.115"]	1/4" (6.35mmø) Stereo Phone plug, Diecast Shell,	Standard	ACPS-GN
	Amphenol	Satin finish, Flexible grommet.	Gold Plated Contacts	ACPS-GN-AU	
			Bulk Pack	ACPS-GN BULK	
The state of the s	79 [3.115"]	1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish.	Standard	ACPS-GB	
		Amphenol	Flexible grommet.	Gold Plated Contacts	ACPS-GB-AU
	V U II			Bulk Pack	ACPS-GB BULK

Musician Series II Plugs

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
	61 [2.402"] Autophenol At 30 [1.306] At 30 [1.306] At 49.3 [1.341]	1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-RN	
			Gold contacts	ACPM-RN-AU	
			Bulk Pack	ACPM-RN BULK	
	90 6 [1.2002,] Autobased 90 6 [1.200,] 1.304 [1.304] 1.304 [1.304]	1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-RB	
			Gold contacts	ACPM-RB-AU	
			Bulk Pack	ACPM-RB BULK	
	61 [2.402"] Amphecol [1.50] (1.61] (1.61) (1.61) (1.61) (1.61) (1.61)	1/4" (6.35mmø) Ste- reo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-RN	
			Gold contacts	ACPS-RN-AU	
			Bulk Pack	ACPS-RN BULK	
	30.6 [1.206*] WAX. 5.0 [.197*] 5.0 [.197*]	1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-RB	
			Gold contacts	ACPS-RB-AU	
			Bulk Pack	ACPS-RB BULK	

PART NUMBER BREAKDOWN

M / M SERIES II (MUSICIAN RANGE)



106

Musician / OEM Range 1/4" Phone Jacks

1/4" PHONE JACK CONNECTORS

Amphenol phone connectors are available in 1/4" (6.35mm) and 3.5mm jack sockets or dual jack socket versions featuring combinations of both sizes. The standard heavy duty contacts provide excellent signal performance and the rugged designs excel in professional audio applications. Our wide range of options ensures we have the connector to suit your specific requirements. Custom jacks can also be developed to suit unique applications on request.



Applications

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

Features / Options — OEM RANGE Phone Jack

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

1/4" Phone Jack Grounding/ Shielding Options



1/4" Gripper - Grounding points



1/4" Shielding Plate

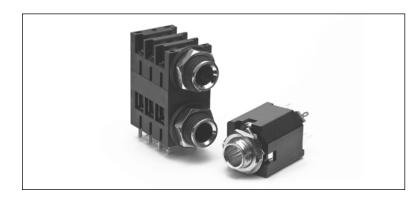
Ordering Codes

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

Simple steps to guide you in using this catalogue

- 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.

Musician / OEM Range 1/4" Phone Jacks



Features:

- 3.5mm and 6.35mm (1/4") options
 Mono or Stereo (TRS)
 Single or Dual mounting
 Vertical or Horizontal PCB mount

- · Mono and Stereo with switching contacts
- Solder or Combo contacts
- · Various mounting option

Schematic Chart: Page 113 Panel Cutouts: Page 112 **PCB Footprints: Page 114 Specifications: Page 116**

	PRODUCT - FIGURE	DRAWING		Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
3.51	MM PHONE JACKS	Ē		6.53 [.250°]	3.5mm Jack, Horizontal PCB, Plastic housing, Metal entry bore	Mono	ACJM-NH35
	Sil to		3 [.118"]	8 9 6.8 [.267*]	Metal entry bore	Stereo	ACJS-NH35
			3*]		3.5mm Jack, Vertical	Refer to Schematic	ACJM-NV35-2
	1	=24 [.943"] -= 23 [.896"]			PCB mount, Needle eye contacts, Plastic	Chart on page 113	ACJM-NV35-2S
				20 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	housing, Metal entry bore		ACJS-NV35-3
	100	27 [1.057	<u></u>	16	DOIC		ACJS-NV35-3S
		30.4 [1.195	"]⊷	-⊶ [.620"] ^{Is-}			ACJS-NV35-5
	300	→ 24 [.939"] ←	METAL WA	SHER 10	3.5mm Jack, Vertical	Refer to Schematic	ACJM-MV35-2
	-	4 [.159*]	16 [.620°]	PCB mount, Needle eye contacts, Plastic housing, Metal thread and entry bore	Chart on page 113	ACJM-MV35-2S	
					10 [0.39*] 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		ACJS-MV35-3
							ACJS-MV35-3S
				NUT 2.5mm THICK			ACJS-MV35-5
		8.8 101	33 [1.318"]————————————————————————————————————	1 (250)	3.5mm / 1/4" (6.35mmø) Dual Phone Jack, (Piggyback),	Mono	ACJM-MHD985
	0	u	5.5 mm. (.106°)	3.1 19 [7.22]	Horizontal PCB, Plastic housing, Metal nut and entry bore	Stereo	ACJS-MHD985
			35 [1.360"]—	7	3.5mm / 1/4"	Refer to Schematic	ACJM-MVD985-2
	1		-24 [.931*]- -24 [.931*]-		(6.35mmØ) Dual Phone Jack, Vertical	Chart on page 113	ACJM-MVD985-2S
	- 50			- 46 [.5]	PCB mount, Needle eye contacts, Plastic		ACJS-MVD985-3
	-	SIDE VIEW	24 [.947*]	- 16	housing, Metal nut and entry bore		ACJS-MVD985-3S
			→27 [1.061*]↔	[,620°]	, - -		ACJS-MVD985-5
1/4"	' PHONE JACKS HORIZONTA	9,1 - 33.5 [1.319*]-		1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Half thread,	Mono	ACJM-HHDR	
	55500	4.50 [1,177] [1,177] [1,177] [1,177]	[.256"]	(.000) (.001) (.001) (.001)	housing, Half thread, Metal entry bore. Supplied without mounting hardware.	Stereo	ACJS-HHDR

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Musician / OEM Range 1/4" Phone Jacks

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
Ma	9.1 (3.55°) (1.319°) (2.63°) (2		1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal nut and	Mono	ACJM-MHDR
1400	4.50 [.177] TYP TYP [6.50]	COHHH WALL	entry bore	Stereo	ACJS-MHDR
Pelan	8.6 [.339*]	-33.0 [1.299*] 	1/4" (6.35mmø) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal thread,	Mono	ACJM-MHDRM
1 8	4.50 (-1777) 1.777] 1.777] 1.777] 1.777]	₽₽¶₽₽₽₽₽ <u>₽</u> ₽₽	nut, washer and entry bore	Stereo	ACJS-MHDRM
de	2.7 500']	24.3 [.957]	1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with	Refer to Schematic Chart on page 113	ACJM-HHOP
	6.4 [.253] 15.8 [.620] 21.36 [.350] 21.36		Half thread. Supplied without mounting hardware.		ACJS-HHOP
Sec.	6.4 [.253"] 15.8 [.620"] 2.8 [.620] 47.1	24.3 [.957*]-*	1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with	Refer to Schematic Chart on page 113	ACJM-HHOP-1
		8.9 21.36 [.350"] [.841"]	Half thread. Supplied without mounting hardware.		ACJS-HHOP-1
	9977 15.8	24.3 ** [.957*]	1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, thread and	Mono - Plastic Nut	ACJM-PHOP
1				Mono - Metal Nut	ACJM-MHOP
-HE C		8.9 [.350"] 21.36 [.841"]	entry bore	Stereo - Plastic Nut	ACJS-PHOP
_		2.		Stereo - Metal Nut	ACJS-MHOP
A.	6.5	24.3 [.957"]	1/4" (6.35mmø) Offset Jack, Horizontal PCB	Refer to Schematic Chart on Page 110	ACJM-PHOP-1
	[.500*]		mount, Plastic housing, thread and entry bore.	PHOP - Denotes Plastic Nut	ACJM-MHOP-1
- HELLO	15.8 15.8 15.8 15.8 15.8 15.8 15.8 15.8	8.9 21.36 [.841"]	Non-switching sleeve contact with separate	MHOP - Denotes	ACJS-PHOP-1
	15.8 520"] 4- 82		grounding to panel.	Metal Nut	ACJS-MHOP-1
Elle.	12.7 500°.] 100°.] 100°.]	24.8	1/4" (6.35mmø) Offset Jack, Horizontal PCB mount, Plastic housing, Metal thread	Mono - Metal Nut	ACJM-MHOM
		[.325"] (.50") 21.85 [.860"]	and entry bore with Chassis ground con- nection	Stereo - Metal Nut	ACJS-MHOM
Sec.	8.0 [.315*] 8.0 [.315*] 1. [.209] 1. [.209] 1. [.209] 1. [.209]		1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing	Mono - Plastic Nut	ACJM - PH
C			with metal insert	Mono - Metal Nut	ACJM - MH

Musician / OEM Range 1/4" Phone Jacks

PRODUCT - FIGURE	DRAWING	Dimer	isions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
Sign.	8.0 [.315"]	24.8 [.976"]	200	1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing with metal insert	Stereo - Plastic Nut	ACJS - PH
	4.00 1.15.7]	┺┸ ╟┸┩┢┹ ╟┻┩╋┹╌╌╌╤		with model moore	Stereo - Metal Nut	ACJS - MH
	5			1/4" (6.35mmø)	Mono - Plastic Nut	ACJM-PHR
	8.0 [.315"]		20.0	Jack, Horizontal Snap-fit PCB mount, Plastic housing with	Mono - Metal Nut	ACJM-MHR
77.40				metal insert	Stereo - Plastic Nut	ACJS-PHR
	4.00 [.157* TYP				Stereo - Metal Nut	ACJS-MHR
6 200	o 8.0 [.315"]-	24.8 [.976"]		1/4" (6.35mmø)	Mono - Plastic Nut	ACJM-PC
Le	8.0 [.315*]-		% -	Jack, Combination Horizontal PCB and	Mono - Metal Nut	ACJM-MC
100				Solder lug, Plastic housing with	Stereo - Plastic Nut	ACJS-PC
- 10	8.50 [.335" TYP			metal insert	Stereo - Metal Nut	ACJS-MC
	_	-÷+24.8 [.976"]+⇒-		1/4" (6.35mmø) Jack,	Mono - Plastic Nut	ACJM-PHS
8800	8.0 [.315*]		787	Solder Lug, Plastic housing with metal	Mono - Metal Nut	ACJM-MHS
7560				insert	Stereo - Plastic Nut	ACJS-PHS
	7.50 [.295"] TYP				Stereo - Metal Nut	ACJS-MHS
99010	8.0 [.315.] [.315.] 4.00 [.57.]	[.433"]	2.10 [1.264*] - 8.5 [.335*] - 8.5 [.355*]	1/4" (6.35mmø) Jack, Solder Lug, Plastic housing and Bezel with threaded Metal nut.	Mono	ACJM-IHS
book C	20.00	် မ <u>ွိဳး မ</u> ျူ	4.0 [.157*] TYP	ulleaded Metal Hut.	Stereo	ACJS-IHS
and the same of th	8.0 [.315*]	33.5 [1.317"] 8.5 [.335"]		1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing and Bezel with threaded	Mono	ACJM-IH
	400 (1677)	₩ ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩		Metal nut.	Stereo	ACJS-IH
4" PHONE JACKS HORI		8"] 33.5 [1.319"]		1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal	Mono	ACJM-MHDC*
man in CO	(1771) (1777) (1777) (1777) (1856) (1650) (1650) (1650)		[.(2,5)]	Snap-fit PCB, Plastic housing, Metal nut and entry bore	Stereo	ACJS-MHDC*
Ma	9.3.[1.162]- 	3.6 - 33.0 [1.299*]	091	1/4"(6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Mono	ACJM-MHDCM
	4.60 1.1777				Stereo	ACJS-MHDCM

^{*} This product protected by U.S. patent No. 6,116,959

PRODUCT - FIGURE	DRAWING	Dim	ensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
Maria	18 [1.2507] - 19.00 [1.0007] - 19.00 [1.	1/4" (6.35mmø) Dual Phone Jack (Piggyback) Horizontal Snap-fit PCB, Plastic	Mono	ACJM-MHD*		
ELL TO	4.50 1.777]		- (1-1-1-	housing, Metal nut and entry bore	Stereo	ACJS-MHD*
Aller.	9.1 9.1 9.2 1.2 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3		053	1/4"(6.35mmø) Dual Phone Jack (Pig- gyback) Shielding plate,	Mono	ACJM-MHDE*
	4.50 1.77 1.77 1.77 1.77 1.77 1.77 1.77 1.7	6.50		Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Stereo	ACJS-MHDE*
Ma	318 [1.260*]	8"] -33.5 [1,319*] -		1/4" (6.35mmø) Dual Phone Jack (Pig- gyback), Horizontal	Mono	ACJM-MHDM*
Maria Con			□□ <u> = = = </u>	Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore	Stereo	ACJS-MHDM*
Me	1/4"(6.35mmø) Dual Phone Jack (Piggyback), Shielding plate Horizontal Snap-fit	Phone Jack (Piggy- back), Shielding plate	Mono	ACJM-MHDEM*		
				Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Stereo	ACJS-MHDEM*
" PHONE JACKS VER	ΓICAL			1/4" (6.35mmØ) Jack,	Refer to Schematic	ACJM-PVB-2
Alle S	14.5 1 -= [.571"]			Vertical PCB mount, Plastic housing,	Chart on page 113	ACJM-PVB-2S
	15.0 [.59f"]	,		nut and entry bore		ACJS-PVB-3
1000		1,20-1,50 [0,0 4 7"-0,05	50*1			ACJS-PVB-3S
260	12.8	[0.047 -0.0.	24.0 [.945"] 🛌			ACJS-PVB-5
		. 16		1/4" (6.35mmø) Jack, Vertical PCB mount,	Refer to Schematic Chart on page 113	ACJM-MIV-2
1	7 [.280*]	[.622	→ ! <u>-</u> + ¸	Needle eye contacts,		ACJM-MIV-2S
1.0		16 [.4657] 16 [.6227]	t 13 [.512*]	Plastic thread, Metal nut and insert		ACJS-MIV-3
	3.5 [.138*] -24 [.945*]=	1 1	2 [.087*]	Motal flat and most		ACJS-MIV-3S
	H=-24 [.945]H					ACJS-MIV-5
9	-24 [.945"] - q			1/4" (6.35mmø) Jack, Vertical PCB mount,	Refer to Schematic Chart on page 113	ACJM-MN-2
1 2		7 [.276"]		Needle eye contacts,	onari on paye 110	ACJS-MN-3
		1	16.0 [.630"]	Star washer, Metal nut and insert		ACJM-MN-2S
60						ACJS-MN-3S
			·			ACJS-MN-5
9	→ 24 [.945"] 	_		1/4" (6.35mmø)	Refer to Schematic Chart on page 113	ACJM-MV-2
	7 [.276"]		Jack, Vertical PCB mount, Metal nut	onan on paye 113	ACJM-MV-2S	
		h	16 16 16 17	and insert		ACJS-MV-3
da						ACJS-MV-3S
			·			ACJS-MV-5

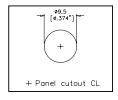
 $[\]mbox{\ensuremath{^{\star}}}$ This product protected by U.S. patent No. 6,116,959

Musician / OEM Range 1/4" Phone Jacks

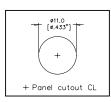
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		16	1/4" (6.35mmø)	Refer to Schematic	ACJM-MVS-2
, <u> </u>	35,5 [1,398"]	[.622*]	Jack, Solder Lug, Metal nut and insert	Chart on Page 110	ACJM-MVS-2S
Ma	28.5 [1.122*] - 28.5 [1.122*]				ACJS-MVS-3
3160		I			ACJS-MVS-3S
	_	_			ACJS-MVS-5

PANEL CUTOUTS

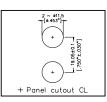
-FRONT VIEW



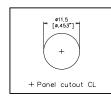
ACJM-MV ACJS-MV ACJM-MN-2 ACJS-MN-3 ACJS-MN-3S ACJS-MN-5 ACJM-MIV ACJM-MIV ACJM-MVS ACJS-MVS



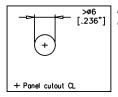
ACJM/S-PH ACJM/S-MH ACJM/S-PC ACJM/S-MC ACJM/S-PHR ACJM/S-PHS ACJM/S-MHS



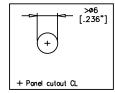
ACJM-MHD ACJS-MHD ACJM-MHDE ACJS-MHDE



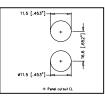
ACJM-MHDR ACJS-MHDR ACJS-HHDR



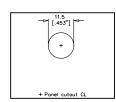
ACJM-NH35 ACJS-NH35



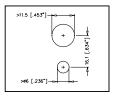
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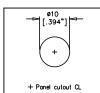
ACJS-MHDC ACJM-MHDC



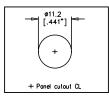
ACJS-IH ACJM-IH ACJS-IHS ACJM-IHS



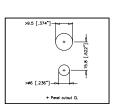
ACJS-MHD985 ACJM-MHD985



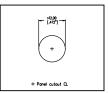
ACJS-MHOM ACJM-MHOM



ACJS-MHOP ACJS-PHOP ACJM-PHOP ACJM-PHOP-1 ACJS-HHOP-1 ACJM-PHOP-1 ACJM-HOP-1 ACJM-HOP-1 ACJM-HOP-1 ACJM-HOP-0 ACJM-HOP-0 ACJM-HOP-0



ACJS-MVD985 ACJM-MVD985



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

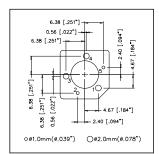
SCHEMATIC CHART

PART NO.	ACJM-MV35-2 ACJM-MN-2 ACJM-NV35-2 ACJM-PVB-2 ACJM-MV-2 ACJM-MVS-2 ACJM-MIV-2	ACJM-MV35-28 ACJM-MV-28 ACJM-NV35-28 ACJM-PVB-28 ACJM-MV-28 ACJM-MVS-28 ACJM-MIV-28	ACJS-MV35-3 ACJS-MN-3 ACJS-NV35-3 ACJS-PVB-3 ACJS-MV-3 ACJS-MVS-3 ACJS-MIV-3	ACJS-MV35-3S ACJS-MN-3S ACJS-NV35-3S ACJS-PVB-3S ACJS-MV-3S ACJS-MVS-3S ACJS-MIV-3S	ACJS-MV35-5 ACJS-MN-5 ACJS-NV35-5 ACJS-PVB-5 ACJS-MV-5 ACJS-MVS-5 ACJS-MIV-5
GENERAL SCHEMATIC	3 1	2 3 3 1	3 1	2 \3 1	5 5 2 2 3 1
PART NO.	ACJM-MVD985-2	ACJM-MVD985-2S	ACJS-MVD985-3	ACJS-MVD985-3S	ACJS-MVD985-5
SCHEMATIC	\ \\0 8 \ \\0 6 \ \ \ \\0 1	07 08 06 06	0 9 0 6 0 6 0 6 1 0 1 0 1 0 1 0 1 0 1 0 1 0	9 1 0 0 0 0 0 0 0 0 0 0 0 0 0	9 9 9 0 10 7 7 8 8 6 6 6 5 2 2 3 3 1
PART NO.	ACJM-HHOP-1 ACJM-PHOP-1 ACJM-MHOP-1	ACJS-HHOP-1 ACJS-PHOP-1 ACJS-MHOP-1	ACJM-HHOP ACJM-PHOP ACJM-MHOP	ACJS-HHOP ACJS-PHOP ACJS-MHOP	
GENERAL SCHEMATIC	TX T S G	R RN TN T S G	TN T S S SN	R RN T S SN	

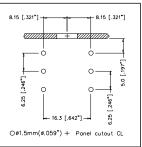
Musician / OEM Range 1/4" Phone Jacks

PCB FOOTPRINT

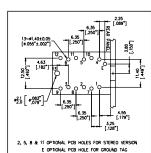
- CONNECTOR SIDE OF PCB



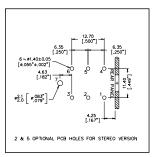
ACJM-MV ACJS-MV ACJM-MN-2 ACJS-MN-3 ACJM-MN-2S ACJS-MN-3S ACJS-MN-5 ACJM-NV35-XX ACJM-MV35-XX ACJS-NV35-XX ACJS-MV35-XX ACJM-MIV-2 ACJM-MIV-2S ACJS-MIV-3 ACJS-MIV-3S ACJS-MIV-5



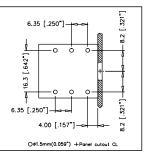
ACJM-PH ACJM-MH ACJS-PH ACJS-MH ACJM-PC ACJM-MC ACJS-PC ACJS-MC



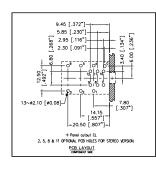
ACJM-MHD
ACJS-MHDE
ACJS-MHDE
ACJM-MHDEM
ACJS-MHDEM
ACJS-MHDC
ACJM-MHDC
ACJS-MHDCM
ACJS-MHDCM
ACJS-MHDCM
ACJS-MHDCM
ACJS-MHDCM



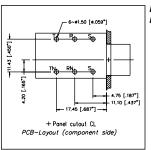
ACJM-MHDR ACJS-MHDR ACJM-PHR ACJM-MHR ACJS-PHR ACJS-MHR ACJM-HHDR ACJS-HHDR ACJM-MHDRM ACJS-MHDRM



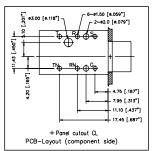
ACJS-IH ACJM-IH



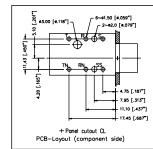
ACJS-MHD985 ACJM-MHD985



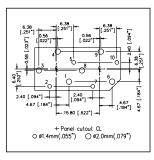
ACJS-MHOM ACJM-MHOM



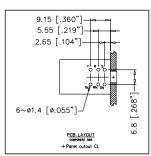
ACJS-MHOP-1 ACJS-PHOP-1 ACJS-HHOP-1 ACJM-MHOP-1 ACJM-PHOP-1 ACJM-HHOP-1



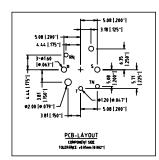
ACJS-MHOP ACJS-PHOP ACJM-PHOP ACJM-HHOP ACJS-HHOP



ACJS-MVD985 ACJM-MVD985



ACJS-NH35 ACJM-NH35



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

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1/4" PLUGS TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16 ⁻ 1.5mm ² 3 Pole (Stereo): AWG 18 ⁻ 1mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)
CHARACTERISTICS	Typical Contact Resistance	Depends on Mating Connector
	Insulation resistance (initial) After Damp Heat Test	>2GΩ ≥1GΩ
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV dc
CLIMATIC	Protection Class	IP40
CHARACTERISTICS	Operating Temperature	-25°C to +70°C (-13°F to 158°F)
MECHANICAL	Insertion and Withdrawal Force	≥10N - ≤30N
CHARACTERISTICS	Mating Cycles	Min. of 1000 cycles without any physical damage
	Cable O.D M Series - M Series II	3mm to 6.5mm (0.118" to 0.256") 6.5mm to 8mm (0.256" to 0.315")
MATERIALS	Connector Shell Material	Diecast Zinc Alloy EZDA No.3
	Connector Shell Finish	Satin Nickel or Black Polyester
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin and fibreglass laminate
	Cable Bushing	Santoprene
	Contact Plating	Brass / Ni over Cu (Copper)

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

1/4" JACKS TECHNICAL DATA

		VALUE		
GENERAL Characteristics	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)		
	Termination	Solder, PCB or Combo		
	Flammability rating of insulating plastics	UL94V-0		
	Solderability, complies with	IEC 68-2-20		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
ELECTRICAL	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)		
CHARACTERISTICS	Typical Contact Resistance	≤10mΩ		
	Insulation resistance (initial) After Damp Heat Test	>2GΩ ≥10³ Meg Ω		
	Rated Voltage Test Voltage AC RMS: Dielectric Strength	34V 500V		
CLIMATIC	Protection Class	IP40		
CHARACTERISTICS	Operating Temperature	-25°C to +70°C (-13°F to 158°F)		
MECHANICAL	Insertion and Withdrawal Force	≥10N - ≤30N		
CHARACTERISTICS	Mating Cycles	Min. of 1000 cycles without any physical damage		
	Weight - Straight - Right Angle	18g (0.039lb) 25g (0.055lb)		
MATERIALS	Connector Housing	Nylon PA66 30% Glass Filled		
	Metal Nut	Brass		
	Plastic Nut	Nylon PA66 30% Glass Filled		
	Washer	Fiber / Brass / Nylon PA66 30% Glass Filled		
	Contact Plating	Tin - 4µm Min. over 2µm Min.Cu (Copper) Silver - 0.3µm Min. over 2µm Min.Cu (Copper) Nickel - 2µm Min. over 2µm Min.Cu (Copper) Gold Flash - 0.05µm Min. over 2µm Min.Cu (Copper)		
	Contacts	Brass / Sn (Tin) over Cu (Copper)		

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



PLUGS AND SOCKETS

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

Applications

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

Features / Options – RCA Plugs and Jacks

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

Features / Options - Miniature XLR

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

Features / Options – 3.5mm Plugs Phone Jack

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

Cable Clamp Options



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



K-Series, Cable 0.D 3mm to 5mm (0.118" to 0.196")

Ordering Codes

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

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 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.

K-Series Plugs (3.5mm) Plugs



K-Series (3.5mm)

Features:

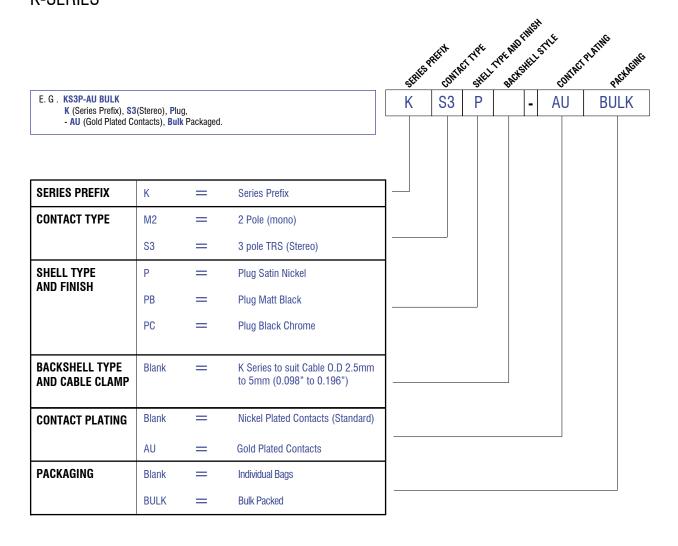
- Mono or TRS (Stereo).AX Series inspired shell design.
- Suits Cable 0.D from 2.5mm to 5mm (0.098" to 0.196")
 Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
 Improved solderability.
- · Precision machined contacts.
- Standard or Bulk packaging.

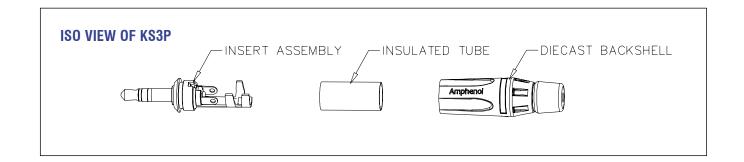
Options: Black Shell, Gold contacts.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	-	49 [1.911"]——☐ № 19 (1.911"]——	3.5mm, Mono Phone plug,	Standard	KM2P
		—35 [1.370"]—→ \$\vec{\vec{\vec{v}}} \vec{\vec{v}}	Diecast Shell, Satin finish,	Gold Plated Contacts	KM2P-AU
1		Anghenol	Flexible grommet.	Bulk Pack	KM2P BULK
		49 [1.911"]——→	3.5mm, Mono Phone plug,	Standard	KM2PB
The same	-	—35 [1.370"]—— 5 5 5	Diecast Shell, Black finish,	Gold Plated Contacts	KM2PB-AU
The state of the s		Amphenol	Flexible grommet.	Bulk Pack	KM2PB BULK
	49 [1.911"] 19 19 19 19 19 19 19 19 19 19 19 19 19	49 [1.911"]——	3.5mm, Stereo Phone plug,	Standard	KS3P
		—35 [1.370"]—— 5 4 <u>6 6</u>	Diecast Shell, Satin finish, Flexible grommet.	Gold Plated Contacts	KS3P-AU
ARD.		Arrephanol		Bulk Pack	KS3P BULK
	49 [1.911"] — 5 6 6 6	49 [1.911"]——— ກູ້ຄ	3.5mm, Stereo Phone plug, Diecast Shell, Black finish,	Standard	KS3PB
Tour.		35 [1.370"] 6 6		Gold Plated Contacts	KS3PB-AU
The		Amphenol	Flexible grommet.	Bulk Pack	KS3PB BULK
	51 [2.008"] m 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	51 [2.008"]———————————————————————————————————	3.5mm, Stereo Phone plug with extended shaft for	Standard	KS3PC
The state of the s		mobile phones fitted with covers. Diecast Shell, Black Chrome finish, Flexible grommet	Gold Plated Contacts	KS3PC-AU	

PART NUMBER BREAKDOWN

K-SERIES





3.5mm PLUG TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder
	Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16 - 1.5mm ² 3 Pole (Stereo): AWG 18 - 1mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL	Current Carrying Capacity	>0.5mA (Depends on Mating Connector and Cable)
CHARACTERISTICS	Typical Contact Resistance	≤20mΩ (Depends on Mating Connector and Cable)
	Insulation resistance (initial) After Damp Heat Test	$> 200M \Omega$ $> 100M \Omega$
	Test Voltage AC RMS: Dielectric Strength	250VAC
CLIMATIC	Protection Class	IP40
CHARACTERISTICS	Operating Temperature	-20°C to +65°C (-4°F to +149°F)
MECHANICAL	Insertion and Withdrawal Force	<20N / >3N (depends on mating connector)
CHARACTERISTICS	Cable O.D.	3mm to 5mm (0.118" to 0.196")
	Mechanical Operations	1000 mating cycles
	Weight	8g (0.017lb)
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3
	Connector Shell Finish	Satin Nickel or Black Polyester
	Insulators	PA66
	Cable Bushing	Santoprene
	Contacts	Brass
	Plating	Nickel or Gold Flash

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



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

Part Number Breakdown: Page 122

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		3"]	RCA Plug, Diecast	Red	ACPR-RED
	 − 62 [2.445"	ø13.8 [.543"	Shell, Gold plated contacts, Coloured	Black	ACPR-BLK
	02 [2.443]	3.8	finish, Flexible coloured arommet	Yellow	ACPR-YEL
		6	grommet	White	ACPR-WHT
	Amphenol			Blue	ACPR-BLU
-0				Green	ACPR-GRN
		3"]	RCA Plug, Diecast	Satin / Red	ACPR-SRD
	62 [2.445"	ø13.8 [.543"]	Shell, Gold plated contacts, Satin finish,	Satin / Black	ACPR-SBK
The state of the s		8.5.	Flexible coloured grommet	Satin / Yellow	ACPR-SYL
		8	grommer	Satin / White	ACPR-SWH
	Amphenol			Satin / Blue	ACPR-SBL
		<u> </u>		Satin / Green	ACPR-SGR
	54 [2.130"] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	["2	RCA Jack, Diecast Shell, Gold plated contacts, Coloured finish, Flexible coloured grommet	Red	ACJR-RED
				Black	ACJR-BLK
		- m		Yellow	ACJR-YEL
		è		White	ACJR-WHT
				Blue	ACJR-BLU
				Green	ACJR-GRN
	54 [2.130"] ————————————————————————————————————		RCA Jack, Diecast Shell, Gold plated contacts, Satin finish,	Satin / Red	ACJR-SRD
		.543		Satin / Black	ACJR-SBK
W. The	54 [2.130"]	3.8	Flexible coloured grommet	Satin / Yellow	ACJR-SYL
		16	grommer	Satin / White	ACJR-SWH
100	Amphenol			Satin / Blue	ACJR-SBL
				Satin / Green	ACJR-SGR
	50.5 [1.988"]		RCA Plug, Shortened	Red	ACPL-CRD
1	30.3 [1.800]	ø13.8 [ø.543"]	Diecast Shell, Gold plated contacts, Black	Black	ACPL-CBK
		[8]	Chrome finish, Flexible coloured	Yellow	ACPL-CYL
			grommet	White	ACPL-CWH
100	Amphenol			Blue	ACPL-CBL
				Green	ACPL-CGR

NOTE: RCA Series comply with EU RoHS 2 Directive 2011/65/EU

RCA Series

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	19 [.748*]	3 [.118*]		Red	ACJD-RED
0	26 [1054,] — 59 [1054,] — 59 [1054,] — 59 [1054,] — 59 [1054,] — 59 [1054,] — 50 [1	24 [945]	RCA Jack, Diecast	Black	ACJD-BLK
			Shell, Gold plated contacts, Nickel finish shell, coloured insulator.	Yellow	ACJD-YEL
				White	ACJD-WHT
				Blue	ACJD-BLU
				Green	ACJD-GRN

NOTE: RCA Series comply with EU RoHS 2 Directive 2011/65/EU

PART NUMBER BREAKDOWN

M SERIES RCA

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

SERIES PREFIX	AC	=	Series Prefix	1_	
CONTACT TYPE	J	=	RCA Female Jack	1	
	Р	=	RCA Male Plug		
SHELL TYPE	R	=	Regular Shell Length	1	
	L	=	Short Shell Length	l	
	D	=	Chassis Jack 'D' Shell		
SHELL AND	RED	=	Red, Red Grommet		
GROMMET COLOUR	BLK	=	Black, Black Grommet		
	YEL	=	Yellow, Yellow Grommet		
	WHT	=	White, White Grommet		
	BLU	=	Blue, Blue Grommet		
	GRN	=	Green, Green Grommet		
	SRD	=	Satin Nickel, Red Grommet		
	CRD	=	Black Chrome, Red Grommet		
	SBK	=	Satin Nickel, Black Grommet		
	СВК	=	Black Chrome, Black Crommet		
	SYL	=	Satin Nickel, Yellow Grommet		
	CYL	=	Black Chrome, Yellow Grommet		
	SWH	=	Satin Nickel, White Grommet		
	CWH	=	Black Chrome, White Grommet		
	SBL	=	Satin Nickel, Blue Grommet		
	CBL	=	Black Chrome, Blue Grommet		
	SGR	=	Satin Nickel, Green Grommet		
	CGR	=	Black Chrome, Green Grommet		
			our of insulator only on shell type D, nell. Shell finish is Nickel.		
PACKAGING	Blank	=	Individual Bags		
	BULK	=	Bulk Packed		

SERIESP	AEFIX CONTR	SHELL SHELL	THE	SHLLFM	PREMEME
AC	Р	R	-	RED	BULK
					1

RCA TECHNICAL DATA

		VALUE
GENERAL	Number of Contacts	2
CHARACTERISTICS	Termination	Solder
	Max. Wire Gauge - Stranded Wire	AWG 14 - 2.5mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL	Current Carrying Capacity	10A (Depends on Mating Connector)
CHARACTERISTICS	Typical Contact Resistance	\leq 10m Ω (Depends on Mating Connector)
	Insulation resistance (initial) After Damp Heat Test	>2G Ω ≥ 10 ³ Meg Ω
	Dielectric Strength	1500 V dc
CLIMATIC	Protection Class	IP40
CHARACTERISTICS	Operating Temperature	-25°C to +75°C (-13°F to +167°F)
MECHANICAL	Insertion and Withdrawal Force	≥10N - ≤30N (depends on mating connector)
CHARACTERISTICS	Cable O.D.	3mm to 7mm (0.118" to 0.275")
	Mechanical Operations	500 mating cycles
	Weight - Cable Mount - Panel Mount	18g (0.039lb) 30g (0.066lb)
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3
	Connector Shell Finish	Satin Nickel or Coloured Polyester
Insulators		PA66
	Cable Bushing	Thermoplastic Polyurethane
	Contacts	Brass Alloy
	Plating	Gold Flash

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



MULTIPIN CONNECTORS

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

Applications

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

Features / Options - MP-41 Series

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

Features / Options - MP-62 Series

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

Ordering Codes

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

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use pins column to determine number of contacts.
- 6) Identify part number.
- 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.



MP-41 Series

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

Features

- 13 to 85 pins with Crimp/Solder bucket contacts
- 150 pins with Crimp contacts only
- 4 to 48 channels
- · Gold plated contacts
- · Synthetic insert
- · Protective dust caps

- Industry standard compatible
- 2000 mating cycles
- Black finish
- · Positive bayonet locking
- PG cable glands
- IP67 rated
- Metal housings

Options: NPT threaded backshells. Crimp Tooling: Page 128 Specifications: Page 129 Part Number Breakdown: Page 128 Wiring Information: Page 141

PRODUCT - FIGURE	Dimensions in mm (inches)	Dimensio	ns in mm (iı	nches)	PINS	PART NUMBER	PART NUMBER
Phoboci - Fluone	DRAWING	A	В	PG	FINO	PANI NUMBEN	With Dustcap
	Straight cable plug with socket	40.5	160				
<u></u>	contacts, Black finish, supplied	(1.60)	(6.30)	11	13	MP-4106-13S	MP-4106-13S-C
	complete with contacts.		171				
WHO THE PARTY OF T		(1.73)	(6.73)	13.5	19	MP-4106-19S	MP-4106-19S-C
V		46.6	193				
		(1.83)	(7.60)	16	25	MP-4106-25S	MP-4106-25S-C
		54.3	210				
3111	PG-/	(2.14)	(8.26)	21	37	MP-4106-37S	MP-4106-37S-C
	13, 13, 23, 37 and 34 contact Type	60.1	210				
		(2.36)	(8.26)	21	54	MP-4106-54S	MP-4106-54S-C
	A A B A B A B A B A B A B A B A B A B A	73.3	137				
			(5.40)	29	85	MP-4106-85S	MP-4106-85S-C
	85 and 150 contact type	73.3	145				
	os and isv confident type	(2.88)	(5.70)	36	150	MP-4106-150S	MP-4106-150S-0
	Cable connecting receptacle with	37.8	160				
	pin contacts, black finish, supplied	(1.49)	(6.30)	11	13	MP-4101-13P	MP-4101-13P-C
	complete with contacts.	41.1	171				
		(1.62)	(6.73)	13.5	19	MP-4101-19P	MP-4101-19P-C
	В	41.5	193				
		(1.63)	(7.60)	16	25	MP-4101-25P	MP-4101-25P-C
144		51	210				
1111/	PG	(2.00)	(8.26)	21	37	MP-4101-37P	MP-4101-37P-C
	13, 19, 25, 37 and 54 contact type	57.1	210				
	B	(2.25)	(8.26)	21	54	MP-4101-54P	MP-4101-54P-C
		70	137				
		(2.75)	(5.40)	29	85	MP-4101-85P	MP-4101-85P-C
	85 and 150 contact type	70	145				
	os and iso comaci type	(2.75)	(5.70)	36	150	MP-4101-150P	MP-4101-150P-0

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

MP-41 Series

	Dimensions in mm (inches)	Dimensions in mm (inches)					DINIO	DADT MUMBER	PART NUMBER	
PRODUCT - FIGURE	DRAWING	A	В	С	D	E	F	PINS	PART NUMBER	With Dustcap
	Panel plug with socket contacts,	38	29.4	3.2	40.5	38.8				
	black finish, supplied complete	(1.49)	(1.15)	(0.13)	(1.60)	(1.53)	N/A	13	MP-4164-13S	MP-4164-13S-C
	with contacts.	41	31.8	3.2	44	38.8				
1 10000		(1.61)	(1.25)	(0.13)	(1.73)	(1.53)	N/A	19	MP-4164-19S	MP-4164-19S-C
200000		44.5 (1.75)	34.9	3.73	48.51	40.6				MD 4104 050 0
\$ 29920	- - - o - - o - - o - -		(1.37)	(0.14)	(1.91)	(1.60)	N/A	25	MP-4164-25S	MP-4164-25S-C
		50.8 (1.99)	39.7 (1.56)	3.73 (0.14)	54.3 (2.14)	42 (1.65)	N/A	37	MP-4164-37S	MP-4164-37S-C
111		57	44.5	4.39	60.8	45	IN/A	31	WF-4104-373	WII 4104 070 0
711.	4 m (000000)	(2.24)	(1.75)	(0.17)	(2.40)	(1.77)	N/A	54	MP-4164-54S	MP-4164-54S-C
		69.8	55.5	4.39	73.3	45	14//			
	E	(2.74)	(2.18)	(0.17)	(2.88)	(1.77)	N/A	85	MP-4164-85S	MP-4164-85S-C
		69.8	55.5	4.39	73.3	45				
		(2.74)	(2.18)	(0.17)	(2.88)	(1.77)	N/A	150	MP-4164-150S	MP-4164-150S-C
		38	29.4	3.23	34.2	34.5	29			
	Panel receptacle with pin contacts, black finish, supplied complete with	(1.49)	(1.15)	(0.13)	(1.34)	(1.35)	(1.14)	13	MP-4102-13P	MP-4102-13P-C
	contacts.	41	31.8	3.23	37.4	34.5	32.2			
		(1.61)	(1.25)	(0.13)	(1.47)	(1.35)	(1.26)	19	MP-4102-19P	MP-4102-19P-C
1 1 13		44.5	34.9	3.73	40.9	35.7	35.3			MD 4400 05D 0
		(1.75)	(1.37)	(0.14)	(1.61)	(1.40)	(1.38)	25	MP-4102-25P	MP-4102-25P-C
	P——A——91 40	50.8	39.7	3.73	46.7	36.5	41.4	0.7	14D 4400 07D	MP-4102-37P-C
111.	B	(1.99)	(1.56)	(0.14) 4.30	(1.83)	(1.44)	(1.62) 47.8	37	MP-4102-37P	WIF-4102-37F-0
1111		(2.24)	(1.75)	(0.17)	(2.10)	(1.52)	(1.88)	54	MP-4102-54P	MP-4102-54P-C
		69.8	55.5	4.30	65.5	38.5	59	34	WIF-4102-34F	WII 4102 041 0
		(2.74)	(2.18)	(0.17)	(2.57)	(1.52)	(2.32)	85	MP-4102-85P	MP-4102-85P-C
		69.8	55.5	4.30	65.5	38.5	59		1132 301	
		(2.74)	(2.18)	(0.17)	(2.57)	(1.52)	(2.32)	150	MP-4102-150P	MP-4102-150P-C
		34.16	31.5	110	4.7					
	Plug protective dustcap to suit MP-	(1.35)	(1.24)	(4.33)	(0.18)	-	-	13	MP-25042-13S	-
	4164 type.	37.36	31.5	110	4.7					
		(1.47)	(1.24)	(4.33)	(0.18)	-	-	19	MP-25042-19S	-
		40.87	31.5	110	4.7					
		(1.61)	(1.24)	(4.33)	(0.18)	-	-	25	MP-25042-25S	-
		46.68	31.5	110	4.7			0.7	MD 05040 070	
		(1.84)	(1.24)	(4.33)	(0.18)	-	-	37	MP-25042-37S	-
B		(2.10)	(1.24)	(4.33)	(0.22)	_	_	54	MP-25042-54S	_
		65.48	31.5	110	5.5	_		34	WII -20042-040	
		(2.58)	(1.24)	(4.33)	(0.22)	_	_	85	MP-25042-85S	-
		65.48	31.5	110	5.5				2.2.23	
		(2.58)	(1.24)	(4.33)	(0.22)	-	-	150	MP-25042-150S	-
		38.8	20.7	255						
	Receptacle protective dustcap to	(1.53)	(0.81)	(8.07)	-	-	-	13	MP-25042-13L	-
	suit MP-4106 types.	41.6	20.7	255						
		(1.64)	(0.81)	(8.07)	-	-	-	19	MP-25042-19L	-
		45.3	20.7	255						
	r	(1.78)	(0.81)	(8.07)	-	-	-	25	MP-25042-25L	-
		52.15	20.7	255				27	MD 05040 071	_
		(2.05)	(0.81)	(8.07)	-	-	-	37	MP-25042-37L	-
		(2.30)	(0.81)	(8.07)	_	_	_	54	MP-25042-54L	_
		70.7	20.7	255				31	1111 20072 07E	
		(2.78)	(0.81)	(8.07)	_	_	_	85	MP-25042-85L	-
		70.7	20.7	255						
		(2.78)	(0.81)	(8.07)	1		1	150	MP-25042-150L	

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MP-41 Series

PRODUCT - FIGURE	Dimensions in mm (inches)		Dir	mensions	in mm (inc	hes)		DIME	PART NUMBER
PRODUCI - FIGURE	DRAWING	A	В	C	D	E	F	PINO	PARI NUMBER
		34.16	31.5	110	4.7				
	Plug protective dustcap to suit MP-	(1.35)	(1.24)	(4.33)	(0.18)	-	-	13	MP-25043-13S
	4102 types.	37.36	31.5	110	4.7				
		(1.47)	(1.24)	(4.33)	(0.18)	-	-	19	MP-25043-19S
		40.87	31.5	110	4.7				
		(1.61)	(1.24)	(4.33)	(0.18)	-	-	25	MP-25043-25S
1 9		46.68	31.5	110	4.7				
		(1.84)	(1.24)	(4.33)	(0.18)	-	-	37	MP-25043-37S
*	•	53.36	31.5	110	5.5				
40		(2.10)	(1.24)	(4.33)	(0.22)	-	-	54	MP-25043-54S
	<u> </u>	65.48	31.5	110	5.5				
		(2.58)	(1.24)	(4.33)	(0.22)	-	-	85	MP-25043-85S
		65.48	31.5	110	5.5				
		(2.58)	(1.24)	(4.33)	(0.22)	-	-	150	MP-25043-150S
		38.8	20.7	255					
	Receptacle protective dustcap to	(1.53)	(0.81)	(8.07)	-	-	-	13	MP-25043-13L
	suit MP-4101 types.	41.6	20.7	255					
		(1.64)	(0.81)	(8.07)	-	-	-	19	MP-25043-19L
		45.3	20.7	255					
	[(1.78)	(0.81)	(8.07)	-	-	-	25	MP-25043-25L
4		52.15	20.7	255					
		(2.05)	(0.81)	(8.07)	-	-	-	37	MP-25043-37L
0		58.6	20.7	255					
	<u> </u>	(2.30)	(0.81)	(8.07)	-	-	-	54	MP-25043-54L
		70.7	20.7	255					
		(2.78)	(0.81)	(8.07)	-	-	-	85	MP-25043-85L
		70.7	20.7	255					
ı		(2.78)	(0.81)	(8.07)		-	-	150	MP-25043-150L

MP-41 Series

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

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

PART NUMBER BREAKDOWN MP-41 SERIES WHERE OF CONTROLS HOISING THE MULTIPIN CIRCULAR CONNECTORS E. G. MP-4106-858 Multipin, 4106 Cable Plug, 85 Contacts, S Female Socket Contacts, MP 4106 85 C **SERIES PREFIX** MP Series Prefix **HOUSING TYPE** Inline cable connecting receptacle 4101 4102 = Panel receptacle 4106 Cable plug 4164 Panel plug 25042S Dustcap for panel plug 25042L = Dustcap for cable plug 25043S Dustcap for panel receptacle 25043L Dustcap for cable receptacle NO. OF CONTACTS 13, 19, 25, 37, 54, 85, 150 Р Male pin contacts **GENDER** *Not required for dustcap S Female socket contacts part numbers С **OPTIONS** Supplied with Dustcap

STANDARD DATA MP-41 SERIES

						VALUE			
GENERAL	Number of contacts		13	19	25	37	54	85	150
CHARACTERISTICS	Number of channels		4	6	8	12	16	28	48
	Termination		Solder / Crimp "Combo"						Crimp
	Wire Gauge - Stranded Wire				16AWG - 2	20AWG			18AWG
	Environmental			Complies	with EU RoHS	2 Directive 2	011/65/EU		
ELECTRICAL	Operating Voltage at Sea level -	DC			250	V*			250V*
CHARACTERISTICS	Operating Voltage at Sea level -	AC			200	V*			200V*
	Test Voltage AC RMS				100	0V			1000V
	Current Carrying Capacity				13	A			7.5A
	Typical Contact Resistance		3.46mΩ 11						11.25mΩ
	Insulation Resistance				5000	ΙΜΩ			
CLIMATIC	Protection Class				IP67 (wh	nen mated)			
CHARACTERISTICS	Operating Temperature			-55°	°C to +125°C	(-67°F to +2	57°F)		
MECHANICAL	Cable Retention				PG (Gland			
CHARACTERISTICS	Mechanical Operations				2000 ma	ting cycles			
MATERIALS	Connector / Shell Finish				Aluminium	Alloy / Black			
	Insert			S	ynthetic Inser	to MIL-R-30	65		
	Male pin contact / Plating				Brass / G	old plated			
	Female socket contact / Plating		Brass / Gold plated						
CLAMPING	PG Gland		11	13.5	16	2	21	29	36
CHARACTERISTICS	Cable Clamping range	mm	4-10	5-12	9-14	13	-18	14-25	19-32
		(inches)	(0.15"- 0.39")	(0.19"- 0.47")	(0.35"- 0.55")	(0.51"	- 0.70")	(0.55"- 0.98")	(0.74"- 1.25")

*Not suitable for domestic applications above 50V

MP-62 / MP-65 Series



MP-62 / MP-65 Series

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

Features:

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

Specifications: Page 132 Wiring Info: Page 141

DDODUGT FIGURE	Dimensions in mm (inches)	Dimensio	ns in mm (ir	ches)	DINO	DADT WINADED	PART NUMBER
PRODUCT - FIGURE	DRAWING	A	В	PG	PINS	PART NUMBER	With Dustcap
	Straight cable plug with pin contacts, Black finish, Gold plated solder contacts.	38.9	181.5	16	39		
	B	(1.53)	(7.15)			MP-6216-39P	MP-6216-39P-C
	4 de la companya de l	45.5	193	21	61		
	PG	(1.80)	(7.60)			MP-6216-61P	MP-6216-61P-C
	Cable connecting receptacle with socket contacts, Black finish, Gold plated solder contacts.	36.7	181.5	16	39		
Control of the Contro	B	(1.45)	(7.15)			MP-6211-39S	MP-6211-39S-C
		43.0	193	21	61		
	CPG	(1.70)	(7.60)			MP-6211-61S	MP-6211-61S-C
	Straight cable plug with pin contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts.	38.9	90	NPT	39		
	Solider Contacts.	(1.53)	(3.54)	3/4"		MP-6516-39P	MP-6516-39P-C
	Paper Trees.40	45.5	100	NPT	61		
		(1.80)	(3.94)	3/4"		MP-6516-61P	MP-6516-61P-C
	Cable connecting receptacle with socket contacts, NPT 3/4" threaded backshell, Black finish,	36.7	90	NPT	39		
	Gold plated solder contacts.		(3.54)	3/4"		MP-6511-39S	MP-6511-39S-C
			100	NPT	61		
		(1.70)	(3.94)	3/4"		MP-6511-61S	MP-6511-61S-C

MP-62 / MP-65 Series

PRODUCT - FIGURE	Dimensions in mm (inches)		Dime	nsions i	n mm (ir	nches)		PINS	PART	PART NUMBER
THOUGHT THOME	DRAWING	Α	В	С	D	E	F	I IIVO	NUMBER	With Dustcap
	Panel plug with pin contacts, Black finish, Gold plated solder contacts.	38.86	29.36	6-32	39.0	32	-			
	A B OC	(1.53)	(1.16)	UNC	(1.54)	(1.26)	-	39	MP-6256-39P	MP-6256-39P-C
		43.94	34.93	6-32	45.5	35	-			
			(1.38)	UNC	(1.80)	(1.38)	-	61	MP-6256-61P	MP-6256-61P-C
	Panel receptacle plug with socket contacts, Black finish, Gold plated solder contacts.	36.7	29.36	3.05	31.8	22.3	30.1			
	A — oc	(1.44)	(1.15)	(0.12)	(1.25)	(0.87)	(1.18)	39	MP-6212-39S	MP-6212-39S-C
	4 B G G G G G G G G G G G G G G G G G G	43.0	34.93	3.74	38.1	22.3	36.4			
1000		(1.69)	(1.38)	(0.15)	(1.50)	(0.87)	(1.43)	61	MP-6212-61S	MP-6212-61S-C

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	0	imensions	in mm (inc	:hes)	PINS	PART NUMBER
Phoboti - Fidune	DNAWING Dimensions in mm (inches)	DESCRIPTION	A D	В	C		FINS	PANI NUMBEN
	£	Plug protective dustcap to suit MP-6256	31.7 (1.25)	15.9 (0.62)	127 (4.99)	4.40 (0.17)	39	MP-742-39S
		6 A	38.05 (1.50)	16.70 (0.66)	127 (4.99)	4.40 (0.17)	61	MP-742-61S
6		Receptacle protective dustcap to suit MP-6216	36.9 (1.45)	13.13 (0.52)	127 (4.99)	-	39	MP-742-39L
			43.14 (1.70)	14.15 (0.56)	127 (4.99)	1	61	MP-742-61L
Carl	c	Plug protective dustcap to suit MP-6212	31.7 (1.25)	15.9 (0.62)	127 (4.99)	4.40 (0.17)	39	MP-738-39S
		0	38.05 (1.50)	16.70 (0.66)	127 (4.99)	4.40 (0.17)	61	MP-738-61S
		Receptacle protective dustcap to suit MP-6211	36.9 (1.45)	13.13 (0.52)	127 (4.99)	1	39	MP-738-39L
8		©	43.14 (1.70)	14.15 (0.56)	127 (4.99)	-	61	MP-738-61L

STANDARD DATA MP-62 SERIES / MP - 65 SERIES

		VAL	UE				
GENERAL	Number of contacts	39	61				
CHARACTERISTICS	Number of channels	12	20				
	Termination	Solo	der				
	Wire Gauge - Stranded Wire	37 x 24AWG-20AWG	24AWG-20AWG				
		2 x 20AWG-16AWG					
	Environmental	Complies with EU RoHS	2 Directive 2011/65/EU				
ELECTRICAL	Operating Voltage at Sea level - DC	600	V*				
CHARACTERISTICS	Operating Voltage at Sea level - AC	600	V*				
	Test Voltage AC RMS	150	0V				
	Current Carrying Capacity	37 x 7.5A	7.5A				
		2 x 13A					
	Insulation Resistance	5000	θΜΩ				
CLIMATIC	Protection Class	IP67 (who	en mated)				
CHARACTERISTICS	Operating Temperature	-55°C to +125°C (-	-67°F to +257°F)				
MECHANICAL	Cable Retention	PG Glan	d / NPT Thread				
CHARACTERISTICS	Mechanical Operations	500 mating cyc	cles (minimum)				
MATERIALS	Connector / Shell Finish	Aluminium A	ılloy / Black				
	Insert	Neop	rene				
	Male pin contact machined - Plating	Brass / Gold plated					
	Female socket contact machined - Plating	- Plating Brass / Gold plated					
CLAMPING	PG Gland	16 21					
CHARACTERISTICS	Cable Clamping range mm (inches)	s) 9-14 (0.35"-0.55") 13-18 (0.51"-0.70")					

^{*}Not suitable for domestic applications above 50V



AMPHENOL-TUCHEL C146 HEAVY | MATE CONNECTORS

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



FIBRE OPTIC

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



Accessories

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

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	60.4 [2.37		XLR 3 pole male to 3 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC3M3MW
	AMPHENOL	ø19.0 [ø.748"]	rie wileu, ivietai olieli	Black Finish	AC3M3MBW
	AMPHENOL	ø19.0 [ø.748"]	XLR 3 pole female to 3 pole female adapter, Pre wired, Metal Shell	Nickel Finish	AC3F3FW
		78"]	rie wileu, ivietai Sileii	Black Finish	AC3F3FBW
	AMPHENOL	ø19.0 [ø.748"]	XLR 3 pole female to 3 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC3F3MW
		[2.378"]	Pre Wiled, Metal Sileli	Black Finish	AC3F3MBW
	CD DMX SFSM SFSM	Ø18.9 [0.744"]	XLR 3 pole female to 5 pole male adapter,	Nickel Finish	AC3F5MW
	62.5 [2.461"] — 75.7 [2.980		Pre wired, Metal Shell		
	C) DMX SMSF	Ø18.9 [0.744"]	XLR 3 pole male to 5 pole female adapter, Pre wired, Metal Shell	Nickel Finish	AC3M5FW
	62.5 [2.461"]— 75.7 [2.980		rie wileu, ivietai Sileii		
	C) DIMIX SWIEW	Ø19 [0.748"]	XLR 5 pole male to 5 pole male adapter,	Nickel Finish	AC5M5MW
	76 [2.991"		Pre wired, Metal Shell		
	29		XLR D shell adapter, 3 pole male to 3 pole male, Pre-wired	Not Applicable	AC3M3MDW
(8)			maio, i io wilou		
	29		XLR D shell adapter, 3 pole female to 3 pole	Not Applicable	AC3F3FDW
6			female, Pre-wired		

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	29 FUSH	75	XLR D shell adapter, 5 pole male to 5 pole male, Pre-wired	Not Applicable	AC5M5MDW
	29	75-	XLR D shell adapter, 5 pole female to 5 pole female, Pre-wired	Not Applicable	AC5F5FDW
10	29	75.	SP D shell adapter, SP-2 to SP-2, Pre- wired	Not Applicable	SP2F2FDW
	29	75	SP D shell adapter, SP-4 to SP-4, Pre- wired	Not Applicable	SP4F4FDW
7		75-19-19-19-19-19-19-19-19-19-19-19-19-19-	D shell adapter without connectors	Not Applicable	AC-D-ADAPTER
	Ess 1	712.2 (7.569) 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Termination Tool	For AC Series Cable Connectors	T2860
	2 - 450 TRNU 22 - 450 TRNU 22 - 450 TRNU 24 - 450 TRNU 24 - 450 TRNU 25 - 450 TRNU 26 - 450 TRNU 27 - 450 TRNU 27 - 450 TRNU 28	153 100 100 100 100 100 100 100 100 100 10	Termination Tool	For AX Series cable connectors	T2890
•	ø5.6 [.220]	2.0 [.077]	A Type / C Type Connector Mounting, Self-Tapping Screw	2.9 x 1.06 Tri-rondular	52500014-734
•	ø4.50	M2 5 x 0.45	B Type / XLRnet Connector Mounting, Self-Tapping Screw	M2.5	52500005-732

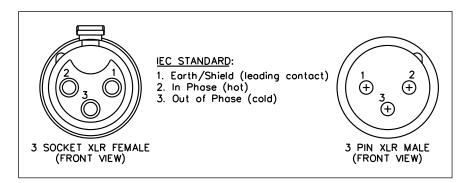
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			AX Series	Brown	AX-B00T-1
			Coloured Boot	Red	AX-B00T-2
	•			Orange	AX-B00T-3
	150			Yellow	AX-B00T-4
	27.6	77.7		Green	AX-B00T-5
	Ø21.2 [.83]			Blue	AX-B00T-6
				Violet	AX-B00T-7
		—39.0 [1.54] 		Grey	AX-B00T-8
				White	AX-B00T-9
				Black	AX-B00T
			AX Series Sleeve for	Black	AX-MARK0
	A N		Custom Print	Brown	AX-MARK1
	T		Note: Custom printed numbers available	Red	AX-MARK2
AM			(Please contact us)	Orange	AX-MARK3
ec.	-28.8-		,	Yellow	AX-MARK4
-00				Green	AX-MARK5
				Blue	AX-MARK6
		0 -		Violet	AX-MARK7
	1 − 20.	9 		Grey	AX-MARK8
				White	AX-MARK9
			AC Coloured	Brown	AC-NUT-BRN
		40.5.[4.0.40"]	Boot / Backshell	Red	AC-NUT-RED
		-49.5 [1.949"]—— —	Note: Number Identification optional.	Orange	AC-NUT-ORG
			(Please contact us.)	Yellow	AC-NUT-YEL
	\$20.2 [\$.795"]			Green	AC-NUT-GRN
	[8 2			Blue	AC-NUT-BLU
	ļ			Violet	AC-NUT-VIO
	,			Grey	AC-NUT-GRY
				White	AC-NUT-WHT
		45.0	Coloured Grommets to	Brown	AC-GROMMET-BRN
	30	15.0 [.591"]	suit AC Series, T Series and Musician range	Red	AC-GROMMET-RED
	ø10.30 [ø.406"]	[.581]		Orange	AC-GROMMET-ORG
) o o			Yellow	AC-GROMMET-YEL
	<u> </u>			Green	AC-GROMMET-GRN
	†			Blue	AC-GROMMET-GRN
AN	<u> </u>			Violet	AC-GROMMET-VIO
				Grey	AC-GROMMET-GRY
				White	AC-GROMMET-WHT

NOTE: All accessories comply with EU RoHS 2 Directive 2011/65/EU NOTE: Please do not refer to this printed catalogue as a colour reference. For exact colours contact your sales representative.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
	49.5	5 [1.949"]	AC Metal Boot / Backshell, Black Finish	Not Applicable	AC-NUT-METAL
	49.5	5 [1.949"]	AC Thermoplastic Boot / Backshell. Suitable for use with 8.5mm (0.33") O.D. cable.	Not Applicable	AC-NUT-J-BLK
and the second	M3	0 [.748]	M3 threaded metal plate to suit D-type chassis connectors	Nickel Finish	52590060-300
			M3 x 0.5mm thread Dual rear panel clip	Nickel Finish	52590074-300
*	5.3% 3 - 2.2-	1.83 <u>°.</u> ,	M3 Screw to suit 52590060-300 M3 x 0.5	Nickel Finish Matt Black	52500016-300 52500016-400

Connector Wiring Information

XLR (Microphone / Patch Cables)

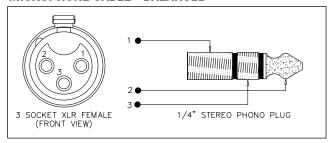


The standard XLR 3 contact pin outs are as shown above for a balanced lead. In such a configuration audio "Hot" (pin 2) is the in-phase connection whilst audio "Cold" (pin 3) is the out-of-phase connection. For an unbalanced lead however, you may connect pin 1 to either pin 2 or pin 3, but not both.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

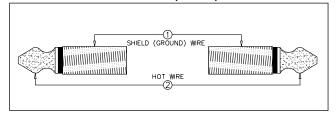
When terminating the cable shielding to pin 1 it is suggested that the shield be only grounded at one end of the cable to avoid inducing "hum". Pin 1 is a leading contact that engages at interconnection, before pin 2 or pin 3.

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

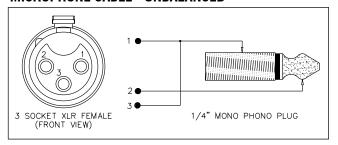
MICROPHONE CABLE - BALANCED



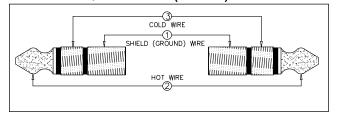
INSTRUMENT / LINE CABLE (MONO)



MICROPHONE CABLE - UNBALANCED



INSTRUMENT / LINE CABLE (STEREO)



Connector Wiring Information

MP Series

MP-41 Series

4 Cn –13 pin						
Ch	+	-	G			
1	В	С	Е			
2	F	K	Н			
3	J	D	Α			
4	N	М	G			
General						
Ground		L				



MP-62 Series

12 Ch-39 pin

+ - G

Χ

e M

G C H

E b

D a Ζ

U i

12

C B Y

R g S

K

p n q

N f Р

MP-41 Series

6 Ch -		19	pir
Ch	+	-	G
1	L	M	C
2	Α	N	В
3	K	J	Т
4	٧	Р	O
5	Н	S	G
6	R	D	Е
General			
Ground		F	



MP-62 Series

20 Ch-61 pin

+ - G

JJ HH NN

ммкк рр

вв АА СС

s FF W

r EE V

f E y

D x

MP-41 Series MP-41 Series

8 Ch	-2	5	pin
Ch	+	-	G
1	Α	Ε	F
2	G	С	В
3	D	Н	J
4	M	L	K
5	Q	Р	N
6	W	S	R
7	Т	χ	Υ
8	Z	٧	U
General			
Ground		a	



5	pin	1
-	G	Ch
Е	F	1
С	В	2
Н	J	3
L	K	4
Р	N	5
S	R	6
Χ	Υ	7
٧	U	8
		9
a		10



12 Ct	 -3	37	pin	1	16
Ch	+	-	G		Ch
1	Е	F	Α		1
2	В	С	G		2
3	Н	J	D		3
4	S	Т	K		4
5	L	M	U		5
6	٧	W	N		6
7	Р	R	Χ		7
8	a	b	g		8
9	С	d	j		9
10	е	f	m		10
11	n	р	h		11
12	r	S	k		12
General					13



Ground

MP-41 Series MP-41 Series

16 Ch–54 pin 28 Ch–85 pin								
Ch	+	-	G		Ch	+	-	G
1	W	f	r		1	Α	В	O
2	J	R	a		2	Е	F	Н
3	k	٧	AC		3	J	K	L
4	Е	М	٧		4	N	Р	R
5	е	q	у		5	S	Т	C
6	В	Н	Р		6	Х	Υ	Z
7	Z	j	u		7	a	b	O
8	D	L	U		8	d	f	g
9	d	р	Х		9	h	i	j
10	Α	G	0		10	k	m	n
11	Υ	h	t		11	р	q	r
12	С	K	Т		12	t	u	٧
13	С	n	W		13	w	Х	у
14	F	N	Χ		14	z	AA	AB
15	g	s	AB		15	AC	AD	AE
16	S	b	m		16	AF	АН	AJ
General					17	AK	AL	AM
Ground		AG			18	AP	AR	AS
				J	19	АТ	AU	AV
					20	ΔW	ΔХ	ΔΥ



MP-41 Series

48 Ch - 150 pin

2 3

24 25 26

27 28 29

20 30 31

32 | 33 | 34

35 | 36 | 37

38 | 39 | 40

41 42 43

44 45 46

47 | 48 | 49

50 51 52

53 54 55

57 58 59

60 61 62

63 | 64 | 65

66 67 68

69 70 71

78 | 79 | 80

82 | 83 | 84

85 | 86 | 87

88 89 90

91 92 93

94 95 96

97 98 99

100 101 102

103 104 105

56 81 106

107 108 109 110 111 112

113 114 115

116 117 118

119 120 121

122 123 124

125 126 127

139 128 129 130 131 132

133 134 135

136 137 138

140 141 142

143 144 145

150

72 73 74

75 76 77

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35 36

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39 40

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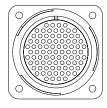
47

48

General Ground

6 7 5 9 10

28 U	1—	35	pir	
Ch	+	-	G	
1	Α	В	С	
2	Е	F	Н	
3	J	K	L	
4	N	Р	R	
5	S	Т	U	
6	Х	Υ	Z	
7	a	b	С	
8	d	f	g	
9	h	i	j	
10	k	m	n	
11	р	q	r	
12	t	u	٧	
13	w	Х	у	
14	Z	AA	AB	
15	AC	AD	AE	
16	AF	АН	AJ	
17	AK	AL	AM	
18	ΑP	AR	AS	
19	АТ	AU	AV	
20	AW	AX	AY	
21	ΑZ	ВА	ВВ	
22	ВС	BD	BE	
23	BJ	BK	BL	
24	ВМ	BN	BP	
25	BS	ВТ	BU	
26	BV	BR	BF	
27	ВН	AN	S	
28	W	M	D	
General				
Ground		٧		





8	q	DD	U		
9	S	р	Т		
10	Р	N	R		
11	m	k	n		
12	L	K	M		
13	J	i	j		
14	Н	G	h		
15	g	F	Z		
16	d	С	W		
17	В	Α	С		
18	b	a	Z		
19	٧	u	Υ		
20	t	GG	Χ		
General					
Ground	N/A				



138

Symbols		AC3MBV2-AU-PRE	33	AC5MDZB-AU	22	ACJC6SL BULK	46	ACJR-SBL	121
-,		AC3MBV3-AU-PRE	33	AC5MDZ BULK	22	ACJC6V BULK	46	ACJR-SGR	121
52500005-732	134	AC3MBV-AU-PRE	32	AC5MJ	11	ACJC6VL BULK	46	ACJR-SRD	121
52500014-734	134	AC3MCP	14	AC5MP	24	ACJC9AH BULK	43	ACJR-SWH	121
52500016-300	136	AC3MCP BULK	14	AC5MPNZ	24	ACJC9AHL BULK	43	ACJR-SYL ACJR-WHT	121 121
52500016-400	136	AC3MDZ AC3MDZB	21	AC6AFR	12	ACJC9AV2 BULK ACJC9AV2L BULK	44 44	ACJR-VHT ACJR-YEL	121
52590060-300	136	AC3MDZB-AU	21 21	AC6AFB AC6AFB-AU	12 12	ACJC9AVL BULK	44	ACJS-HHDR	108
52590074-300	136	AC3MDZ BULK	21	AC6AFB BULK	12	ACJC9H BULK	46	ACJS-HHOP	100
Α		AC3MJ	10	AC6AFBJ	12	ACJC9HL BULK	46	ACJS-HHOP-1	109
Λ		AC3MM	10	AC6AF BULK	12	ACJC9S BULK	47	ACJS-IH	110
AC3F	10	AC3MMB	10	AC6AFDZ	23	ACJC9SL BULK	47	ACJS-IHS	110
AC3F3FBW	133	AC3MMB-AU	10	AC6AFDZB	23	ACJC9V BULK	47	ACJS-MC	110
AC3F3FDW	133	AC3MMB BULK	10	AC6AFDZB-AU	23	ACJC9VL BULK	47	ACJS - MH	110
AC3F3FW	133	AC3MM BULK	10	AC6AFDZ BULK	23	ACJC10AH BULK	44	ACJS-MHD	111
AC3F3MBW	133	AC3MMCP	14	AC6AFJ	12	ACJC10AHL BULK	44	ACJS-MHD985	108
AC3F5MW	133	AC3MMCP BULK	14	AC6AFPZ	24	ACJC10AV2 BULK	44	ACJS-MHDC*	110
AC3FAH1-AU-PRE	30	AC3MMDZ	21	AC6AM	12	ACJC10AV2L BULK	44	ACJS-MHDCM	110
AC3FAH2-AU-PRE	30	AC3MMDZB	21	AC6AMB	12	ACJC10AV BULK	44	ACJS-MHDE	111
AC3FAH-AU-PRE	30	AC3MMDZB-AU	21	AC6AMB-AU	12	ACJC10AVL BULK	44	ACJS-MHDEM	111
AC3FAHL1-AU-PRE AC3FAHL2-AU-PRE	30 30	AC3MMDZ BULK	21	ACGAMB BULK	12	ACJC10H BULK	47	ACJS-MHDM	111 109
AC3FAHL-AU-PRE	30	AC3MMP	24	ACGAMBJ	12	ACJC10HL BULK ACJC10S BULK	47 48	ACJS-MHDR	109
AC3FAV1-AU-PRE	30	AC3MMPNZ AC3MP	24 24	ACGAMBULK	12 23	ACJC10S BULK	48 48	ACJS-MHDRM ACJS-MHOM	109
AC3FAV2-AU-PRE	31	AC3MPNZ	24	AC6AMDZ AC6AMDZB	23 23	ACJC103L BULK	47	ACJS-MHOP	109
AC3FAV-AU-PRE	30	AC4F	11	AC6AMDZB-AU	23	ACJC10VL BULK	47	ACJS-MHOP-1	109
AC3FAVL1-AU-PRE	31	AC4FB	11	AC6AMDZ BULK	23	ACJD-BLK	122	ACJS-MHR	110
AC3FAVL2-AU-PRE	31	AC4FB-AU	11	AC6AMJ	12	ACJD-BLU	122	ACJS-MHS	110
AC3FAVL-AU-PRE	31	AC4FB BULK	11	AC6AMP	24	ACJD-GRN	122	ACJS-MIV-3	111
AC3FB	10	AC4FBJ	11	AC6AMPNZ	24	ACJD-RED	122	ACJS-MIV-3S	111
AC3FB-AU	10	AC4F BULK	11	AC7F	12	ACJD-WHT	122	ACJS-MIV-5	111
AC3FB BULK	10	AC4FDZ	22	AC7FB	12	ACJD-YEL	122	ACJS-MN-3	111
AC3FBH1-AU-PRE	33	AC4FDZB	22	AC7FB BULK	12	ACJM-HHDR	108	ACJS-MN-3S	111
AC3FBH2-AU-PRE	33	AC4FDZB-AU	22	AC7FBJ	12	ACJM-HHOP	109	ACJS-MN-5	111
AC3FBH3-AU-PRE	33	AC4FDZ BULK	22	AC7F BULK	12	ACJM-HHOP-1	109	ACJS-MV-3	111
AC3FBH-AU-PRE	33	AC4FJ	11	AC7FDZ	23	ACJM-IH	110	ACJS-MV-3S	111
AC3FBHL1-AU-PRE	34	AC4FPZ	24	AC7FDZB	23	ACJM-IHS	110	ACJS-MV-5	111
AC3FBHL2-AU-PRE	34	AC4M	11	AC7FDZ BULK	23	ACJM-MC	110	ACJS-MV35-3	108
AC3FBHL3-AU-PRE	34	AC4MAH-AU-B	31	AC7FDZV	23	ACJM - MH	109	ACJS-MV35-3S	108
AC3FBHL-AU-PRE	33	AC4MB	11	AC7FDZVB	23	ACJM-MHD	111	ACJS-MV35-5	108
AC3FBJ AC3F BULK	10 10	AC4MB-AU	11	AC7FJ	12	ACJM-MHD985	108	ACJS-MVD985-3	108 108
AC3FBV1-AU-PRE	34	AC4MB BULK	11	AC7FPZ AC7M	24 12	ACJM-MHDC* ACJM-MHDCM	110 110	ACJS-MVD985-3S ACJS-MVD985-5	108
AC3FBV2-AU-PRE	34	AC4MBJ AC4M BULK	11 11	AC7MB	12	ACJM-MHDE	111	ACJS-MVS-3	112
AC3FBV3-AU-PRE	34	AC4MDZ	22	AC7MB BULK	12	ACJM-MHDEM	111	ACJS-MVS-3S	112
AC3FBV-AU-PRE	34	AC4MDZB	22	AC7MBJ	12	ACJM-MHDM	111	ACJS-MVS-5	112
AC3FBVL1-AU-PRE	35	AC4MDZB-AU	22	AC7M BULK	12	ACJM-MHDR	109	ACJS-NH35	108
AC3FBVL2-AU-PRE	35	AC4MJ	11	AC7MDZ	23	ACJM-MHDRM	109	ACJS-NV35-3	108
AC3FBVL3-AU-PRE	35	AC4MP	24	AC7MDZB	23	ACJM-MHOM	109	ACJS-NV35-3S	108
AC3FBVL-AU-PRE	34	AC4MPNZ	24	AC7MDZ BULK	23	ACJM-MHOP	109	ACJS-NV35-5	108
AC3FCP	14	AC5F	11	AC7MDZV	23	ACJM-MHOP-1	109	ACJS-PC	110
AC3FCP BULK	14	AC5F5FDW	134	AC7MDZVB	23	ACJM-MHR	110	ACJS - PH	110
AC3FDZ	21	AC5FAH-AU-B	31	AC7MJ	12	ACJM-MHS	110	ACJS-PHOP	109
AC3FDZB	21	AC5FAV-AU-B	31	AC7MP	24	ACJM-MIV-2	111	ACJS-PHOP-1	109
AC3FDZB-AU	21	AC5FB	11	AC7MPNZ	24	ACJM-MIV-2S	111	ACJS-PHR	110
AC3FDZ BULK	21	AC5FB-AU	11	AC-D-ADAPTER	134	ACJM-MN-2	111	ACJS-PHS	110
AC3FJ	10	AC5FB BULK	11	AC-GROMMET-BRN	135	ACJM-MN-2S	111	ACJS-PVB-3	111
AC3FPZ	24	AC5FBH-AU-PRE	35	AC-GROMMET-GRN	135	ACJM-MV-2	111	ACJS-PVB-3S	111
AC3M AC3M3MBW	10	AC5FBJ	11	AC-GROMMET-GRY	135	ACJM-MV-2S	111	ACJS-PVB-5	111
AC3M3MDW	133 133	ACSF BULK	11	AC-GROMMET-ORG	135	ACJM-MV35-2	108	AC-NUT-BLU AC-NUT-BRN	135 135
AC3M3MW	133	AC5FBV-AU-PRE AC5FDZ	35	AC-GROMMET-RED AC-GROMMET-VIO	135 135	ACJM-MV35-2S ACJM-MVD985-2	108 108	AC-NUT-GRN	135
AC3M5FW	133	AC5FDZB	22 22	AC-GROMMET-WHT	135	ACJM-MVD985-2S	108	AC-NUT-GRY	135
AC3MA-AU-PRE	30	AC5FDZB-AU	22	AC-GROMMET-YEL	135	ACJM-MVS-2	112	AC-NUT-J-BLK	136
AC3MAH1-AU-PRE	29	AC5FDZ BULK	22	AC-HDMI-RR	90	ACJM-MVS-2S	112	AC-NUT-METAL	136
AC3MAH2-AU-PRE	29	AC5FJ	11	AC-HDMI-RRB	90	ACJM-NH35	108	AC-NUT-ORG	135
AC3MAH4-SW-B	29	AC5FPZ	24	ACJC5H BULK	45	ACJM-NV35-2	108	AC-NUT-RED	135
AC3MAH-AU-PRE	29	AC5M	11	ACJC5HL BULK	45	ACJM-NV35-2S	108	AC-NUT-VIO	135
AC3MAV2-AU-PRE	30	AC5M5MDW	134	ACJC5S BULK	45	ACJM-PC	110	AC-NUT-WHT	135
AC3MAV-AU-PRE	29	AC5M5MW	133	ACJC5SL BULK	45	ACJM - PH	109	AC-NUT-YEL	135
AC3MB	10	AC5MAH-AU-B	31	ACJC5V BULK	45	ACJM-PHOP	109	ACPL-CBK	121
AC3MB-AU	10	AC5MAV-AU-B	31	ACJC5VL BULK	45	ACJM-PHOP-1	109	ACPL-CBL	121
AC3MB BULK	10	AC5MB	11	ACJC6AH BULK	43	ACJM-PHR	110	ACPL-CGR	121
AC3MBH1-AU-PRE	32	AC5MB-AU	11	ACJC6AHL BULK	43	ACJM-PHS	110	ACPL-CRD	121
AC3MBH2-AU-PRE	32	AC5MB BULK	11	ACJC6AV2 BULK	43	ACJM-PVB-2	111	ACPL-CWH	121
AC3MBH3-AU-PRE	32	AC5MBH-AU-PRE	35	ACJC6AV2L BULK	43	ACJM-PVB-2S	111	ACPL-CYL	121
AC3MBH-AU-PRE	32 32	AC5MBJ	11	ACJC6AV BULK	43	ACJR-BLK	121	ACPM-GB	104
AC3MBHL-AU-PRE AC3MBJ	32 10	AC5M BULK	11 25	ACJC6AVL BULK	43 46	ACJR-BLU	121 121	ACPM-GB-AU ACPM-GB BULK	104 104
AC3M BULK	10	AC5MBV-AU-PRE AC5MDZ	35 22	ACJC6H BULK	46 46	ACJR-GRN ACJR-RED	121 121		
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Product Safety Information

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.

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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