



## 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 or 5 contacts.
- B type is available in 3 contact only.
- Compatible with all other XLR brands.
- Metal Mounting Flange (B type)

### Options

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

### Ordering Codes

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

### Simple steps to guide you in using this catalogue

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

## THERMOPLASTIC A - TYPE FLANGE 3 CONTACT



### Features:

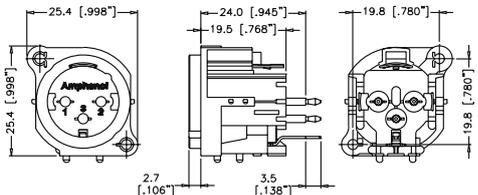
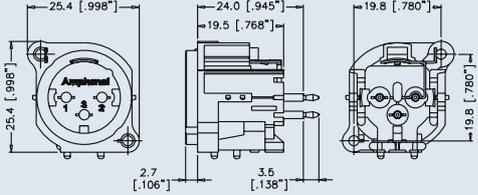
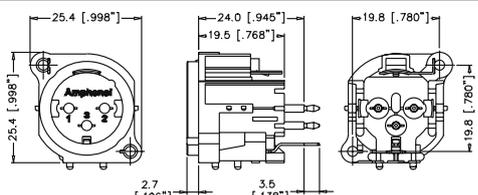
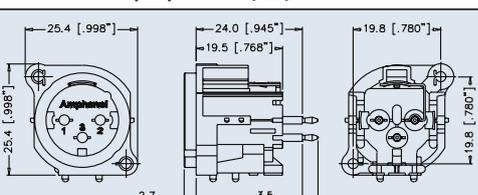
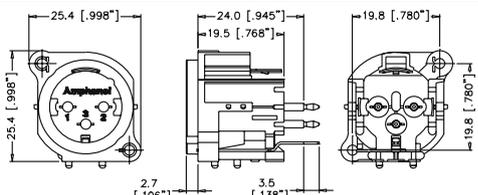
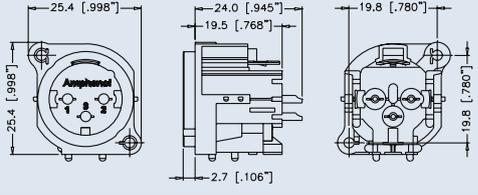
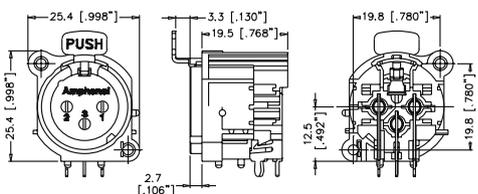
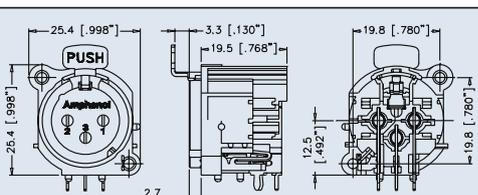
- Thermoplastic Shell
- Industry standard PCB footprints.
- Vertical or Horizontal PCB mounting.
- Precision machined pin contacts.
- Gold plated contacts.
- Leading first mate last break socket contact.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system.

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

**Part Number Breakdown:** [page 44](#) **Specifications:** [page 47](#)  
**PCB Footprints:** [page 48](#) **Panel Cutouts:** [page 49](#)  
**Recommended Fastener:** [page 137](#)

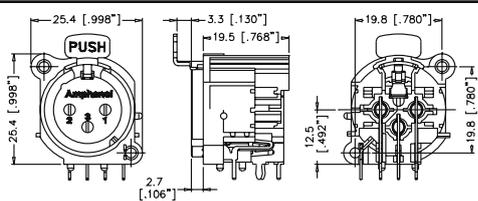
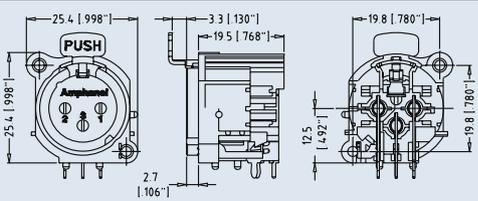
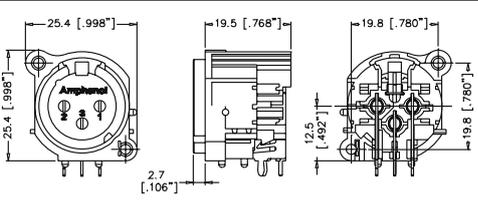
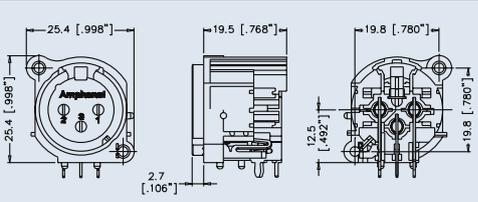
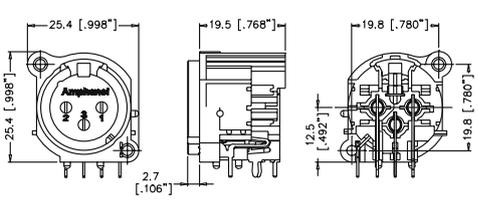
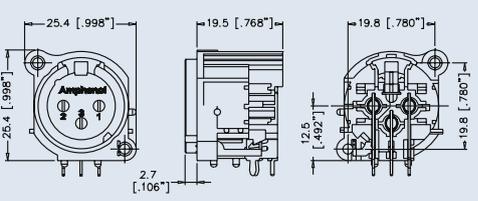
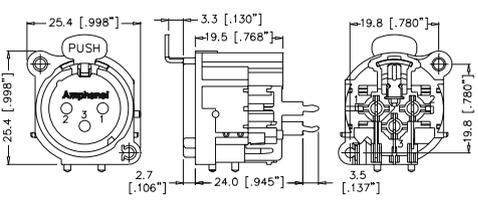
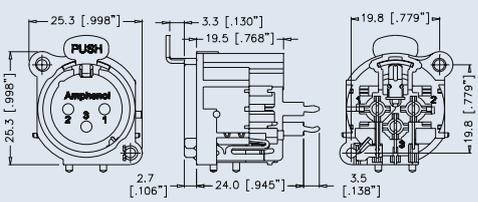


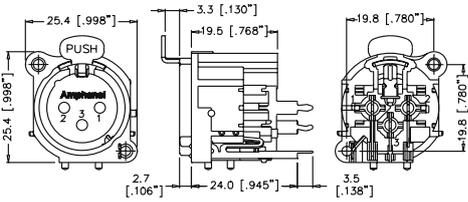
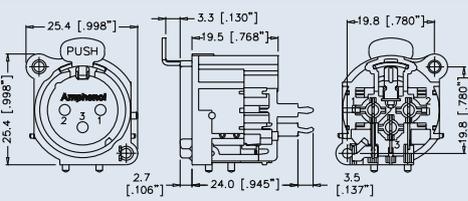
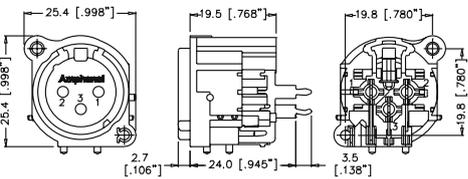
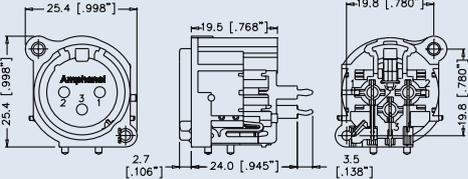
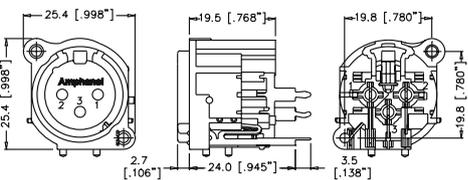
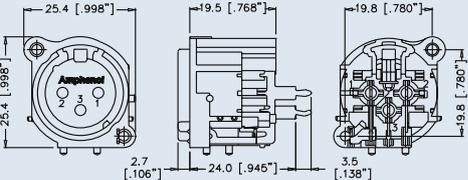
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAH1-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAH2-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Pin 1	AC3MAH3-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-AU-B
			XLR 3 pole male with integrated switch, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-SW-B

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAV-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAV1-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAV2-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Pin 1	AC3MAV3-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. ground	AC3MAV4-AU-B
			XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-B
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAH1-AU-B





PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
		25.4 [ .998" ] 25.4 [ .998" ] 3.3 [ .130" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-B
		25.4 [ .998" ] 25.4 [ .998" ] 3.3 [ .130" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAH3-AU-B
		25.4 [ .998" ] 25.4 [ .998" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-B
		25.4 [ .998" ] 25.4 [ .998" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAHL1-AU-B
		25.4 [ .998" ] 25.4 [ .998" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAHL2-AU-B
		25.4 [ .998" ] 25.4 [ .998" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAHL3-AU-B
		25.4 [ .998" ] 25.4 [ .998" ] 3.3 [ .130" ] 19.5 [ .768" ] 19.8 [ .780" ] 12.5 [ .492" ] 19.8 [ .780" ] 2.7 [ .106" ] 24.0 [ .945" ] 3.5 [ .137" ]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-B
		25.3 [ .998" ] 25.3 [ .998" ] 3.3 [ .130" ] 19.5 [ .768" ] 19.8 [ .779" ] 12.5 [ .492" ] 19.8 [ .779" ] 2.7 [ .106" ] 24.0 [ .945" ] 3.5 [ .138" ]	XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAV1-AU-B

PRODUCT - FIGURE	DRAWING	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
		XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAV2-AU-B
		XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAV3-AU-B
		XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-B
		XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAVL1-AU-B
		XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAVL2-AU-B
		XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAVL3-AU-B





**Features:**

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

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

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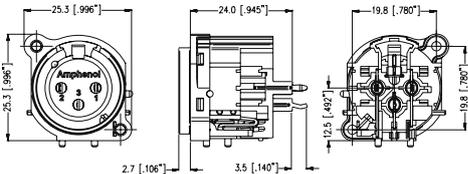
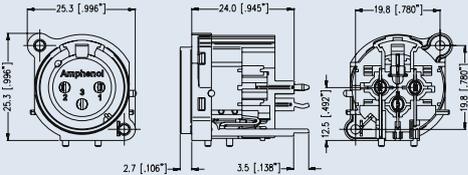
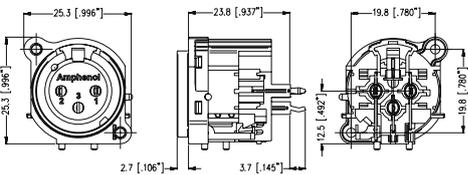


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack  No Ground Link	Nickel Finish	AC3MBH-AU-B
				Black Finish	AC3MBHB-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBH1-AU-B
				Black Finish	AC3MBHB1-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack  Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBH2-AU-B
				Black Finish	AC3MBHB2-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack  Mating connector shell to Pin 1	Nickel Finish	AC3MBH3-AU-B
				Black Finish	AC3MBHB3-AU-B
			XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack  No Ground Link	Nickel Finish	AC3MBHL-AU-B
				Black Finish	AC3MBHBL-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack  No Ground Link	Nickel Finish	AC3MBV-AU-B
				Black Finish	AC3MBVB-AU-B

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



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis to mat- ing connector shell	Nickel Finish	AC3FBHL1-AU-B
				Black Finish	AC3FBHL1-AU-B
			XLR 3 pole female, Horizontal PCB, Non- Latching Type, Gold Plated Contacts, Bulk Pack  Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBHL2-AU-B
				Black Finish	AC3FBHL2-AU-B
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis	Nickel Finish	AC3FBHL3-AU-B
				Black Finish	AC3FBHL3-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack  No Ground Link	Nickel Finish	AC3FBV-AU-B
				Black Finish	AC3FBVB-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBV1-AU-B
				Black Finish	AC3FBV1-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack  Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBV2-AU-B
				Black Finish	AC3FBV2-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis	Nickel Finish	AC3FBV3-AU-B
				Black Finish	AC3FBV3-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack  No Ground Link	Nickel Finish	AC3FBVL-AU-B
				Black Finish	AC3FBVL-AU-B

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis to Mat- ing connector shell	Nickel Finish	AC3FBVL1-AU-B
				Black Finish	AC3FBVL1-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack  Mating connector shell to Chassis-Pin 1 sep. Ground.	Nickel Finish	AC3FBVL2-AU-B
				Black Finish	AC3FBVL2-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack  Pin 1 to Chassis	Nickel Finish	AC3FBVL3-AU-B
				Black Finish	AC3FBVL3-AU-B



## THERMOPLASTIC A - TYPE FLANGE 5 CONTACT



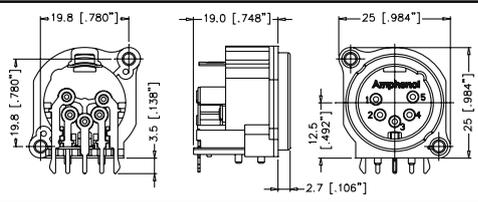
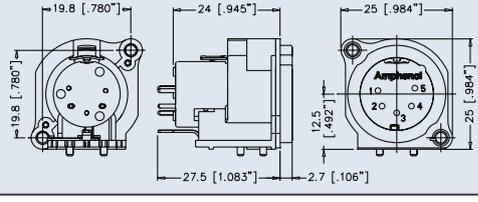
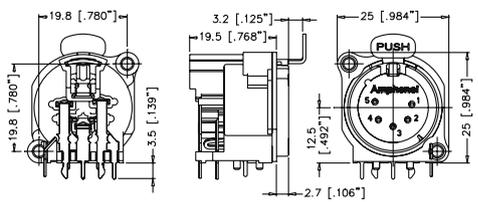
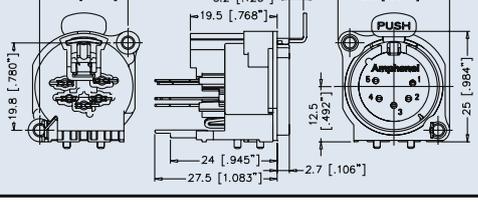
### Features:

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

**Options:** Vertical or Horizontal PCB,

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PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
			XLR 5 pole male, Verti- cal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAV-AU-B
			XLR 5 pole female, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAH-AU-B
			XLR 5 pole female, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAV-AU-B

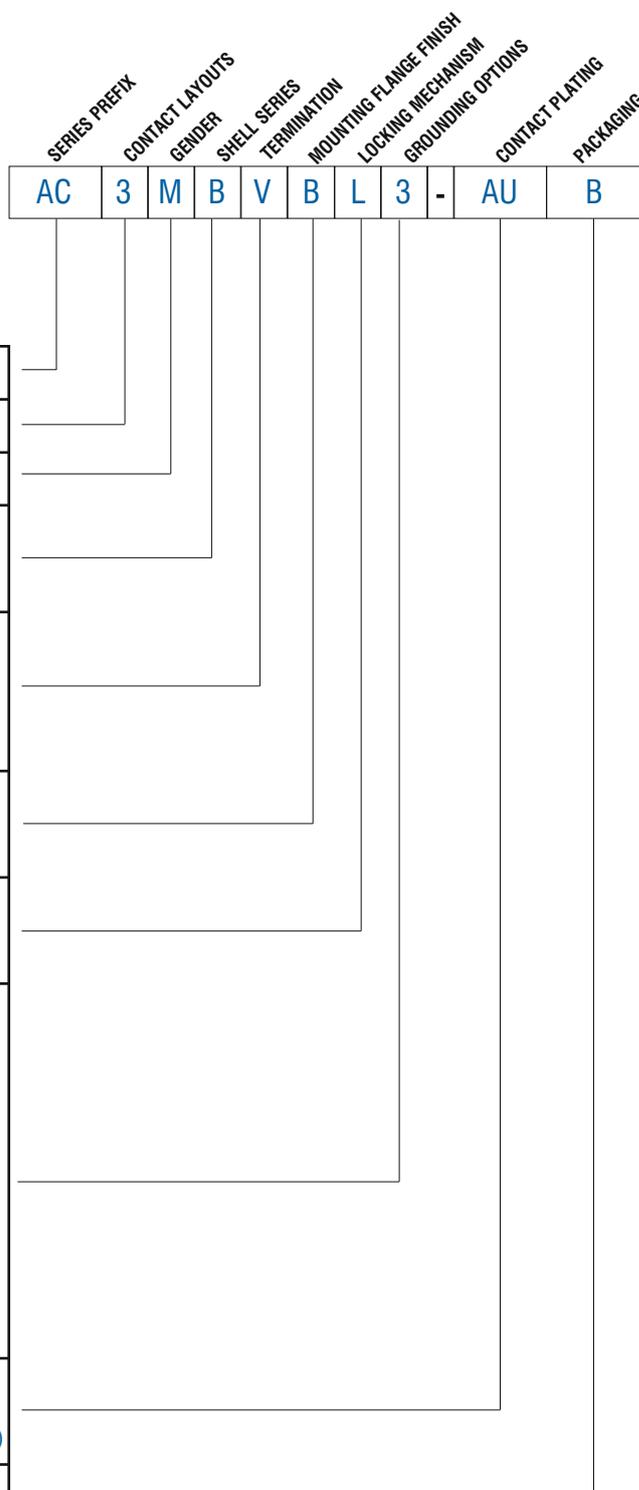
## PART NUMBER BREAKDOWN

### AC SERIES A AND B TYPE MALE - 3 CONTACT



E. G . **AC3MAVL3-AU B**

**AC** (series prefix), **3** contacts, **M**ale, **A** Type, **V**ertical Printed Circuit Board, **L**atchless, **3** (Mating Shell to Pin 1 Grounding), - **AU** (Gold Plated Contacts), **B**ulk Packaged.



<b>SERIES PREFIX</b>	AC	=	Series Prefix
<b>CONTACT LAYOUT</b>	3	=	3 Contacts only
<b>GENDER</b>	M	=	Male Pin Contacts
<b>SHELL SERIES</b>	A	=	A Type
	B	=	B Type
<b>TERMINATION</b>	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
	Blank	=	Solder Bucket Contacts
<b>MOUNTING FLANGE FINISH (B TYPE ONLY)</b>	Blank	=	Nickel
	B	=	Black
<b>LOCKING MECHANISM</b>	Blank	=	Latching
	L	=	Latchless
<b>GROUNDING LINK OPTIONS</b>	Blank	=	No Ground Link
	1	=	Pin 1 to Chassis to mating connector shell
	2	=	Mating connector shell to Chassis, Pin 1 separate ground.
	3	=	Mating connector to Pin 1
<b>CONTACT PLATING</b>	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
<b>PACKAGING</b>	B	=	Bulk Packed

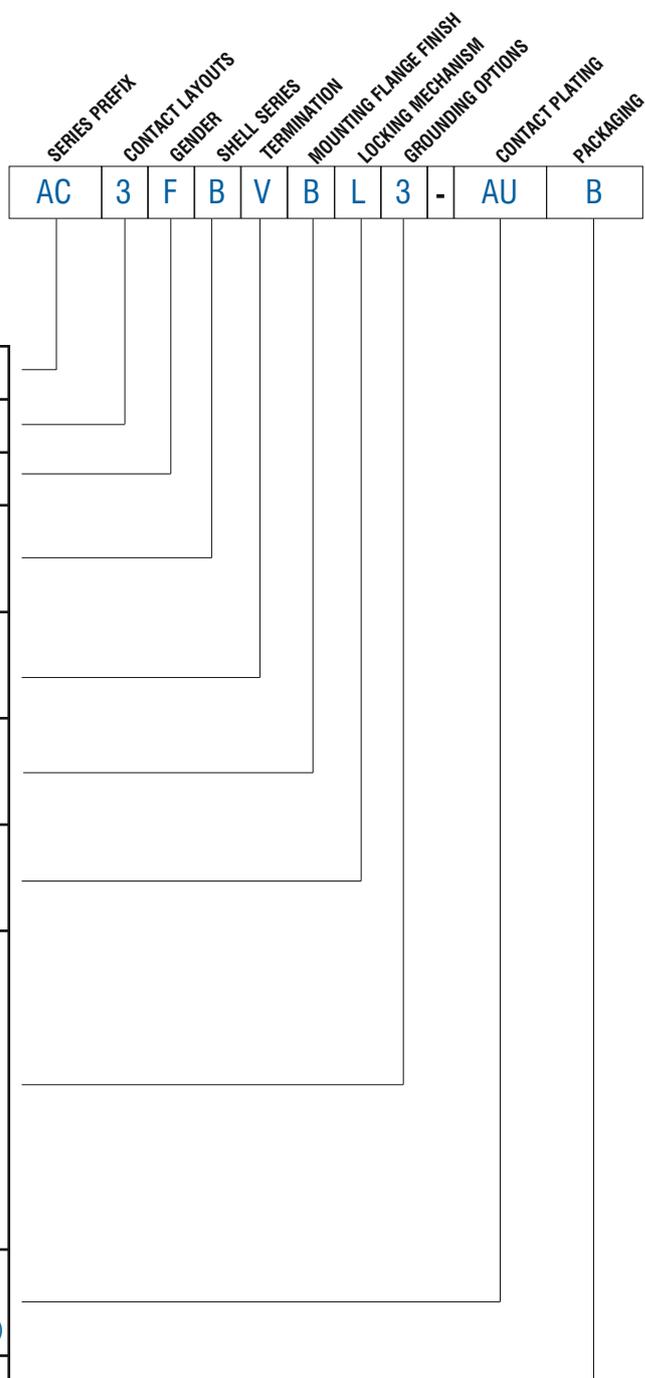
## PART NUMBER BREAKDOWN

### AC SERIES A AND B TYPE FEMALE - 3 CONTACT

E. G. **AC3FAVL3-AU B**

**AC** (series prefix), **3** contacts, **F**emale, **A** Type, Vertical Printed Circuit Board, Latchless, **3** (Pin 1 to Chassis Grounding), - **AU** (Gold Plated Contacts), **B**ulk Packaged.

<b>SERIES PREFIX</b>	AC	=	Series Prefix
<b>CONTACT LAYOUT</b>	3	=	3 Contacts only
<b>GENDER</b>	F	=	Female Socket Contacts
<b>SHELL SERIES</b>	A	=	A Type
	B	=	B Type
<b>TERMINATION</b>	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
<b>MOUNTING FLANGE FINISH (B TYPE ONLY)</b>	Blank	=	Nickel
	B	=	Black
<b>LOCKING MECHANISM</b>	Blank	=	Latching
	L	=	Latchless
<b>GROUNDING LINK OPTIONS</b>	Blank	=	No Ground Link
	1	=	Pin 1 to Chassis to mating connector shell
	2	=	Mating connector shell to Chassis, Pin 1 separate ground.
	3	=	Pin 1 to Chassis
<b>CONTACT PLATING</b>	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
<b>PACKAGING</b>	B	=	Bulk Packed



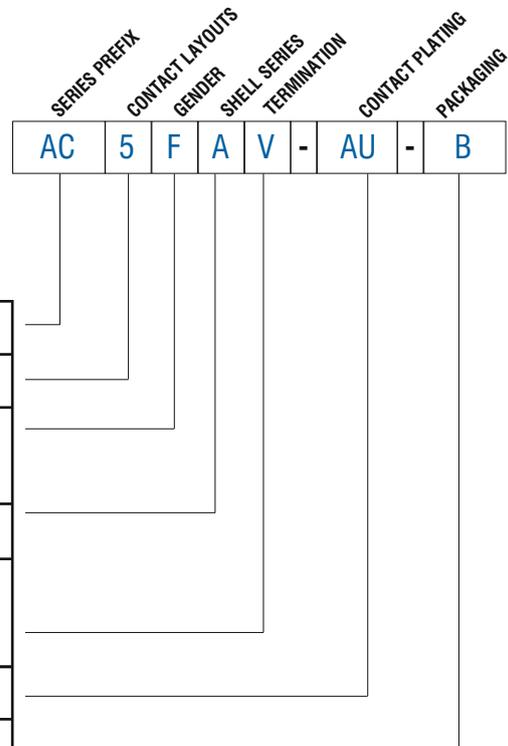
## PART NUMBER BREAKDOWN

AC SERIES A TYPE MALE AND FEMALE - 5 CONTACT



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

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



## STANDARD DATA AC SERIES A AND B TYPE CHASSIS

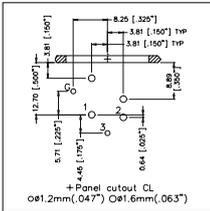
		VALUE	
<b>GENERAL CHARACTERISTICS</b>	Number of contacts	3	5
	Contact Arrangements (Front view of pin insert)		
	Termination	Printed Circuit Board (PCB)	
	Flammability rating of plastics	UL94V-0	UL94HB
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
<b>ELECTRICAL CHARACTERISTICS</b>	Service Voltage RMS	133V <sup>1)</sup>	
	Test Voltage AC RMS	1500V	
	Current carrying capacity	6A	3A
	Typical Contact Resistance	≤5mΩ	
	Insulation Resistance (initial)	≥2GΩ	
	Insulation Resistance (after damp heat test)	≥1GΩ	
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class	IP40	
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)	
<b>MECHANICAL CHARACTERISTICS</b>	Weight <sup>2)</sup>	14g (0.030lb)	
	Retention Spring separating force	≥20N	
	Mounting Screw torque max.	1.5Nm	
	Mechanical Operations	1500 mating cycles	
	Fastening A Type Connectors <sup>3)</sup> Fastening B Type Connectors <sup>3)</sup>	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration Self-Tapping screw M2.5	
<b>MATERIALS</b>	Connector Flange - B-Type Flange Finish - B-Type	Diecast Zinc Alloy Nickel or Black	
	Insulators	PA6.6+25% glass fibre reinforced, UL94V-0	UL94HB
	Male Contact Material	Brass	
	Male Contact Plating	0.0762μm (3μ") gold over 0.762μm (30μ") nickel	
	Female Contact Material	Bronze	
	Female Contact Plating	0.0762μm (3μ") gold over 0.762μm (30μ") nickel	
	Latch lock and Spring	Spring Steel	
	Ground element	Spring Steel	

<sup>1)</sup> Not suitable for domestic applications above 50V

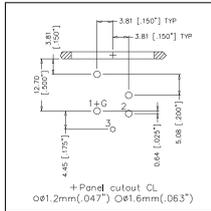
<sup>2)</sup> Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

<sup>3)</sup> Refer to page 132

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

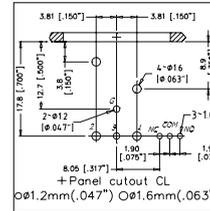


**AC3FAH2  
AC3FBH2  
AC3FBHB2**

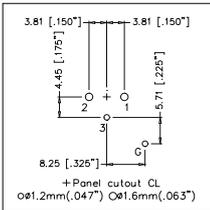


**AC3FAH1  
AC3FAH3  
AC3FBH1  
AC3FBHB1  
AC3FBH3**

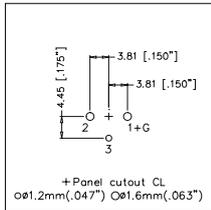
**AC3FBHB3  
AC3FAH  
AC3FBH  
AC3FBHB**



**AC3MAH4SWB**

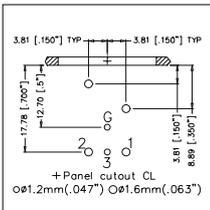


**AC3FAV2  
AC3FBV2  
AC3FBVB2**

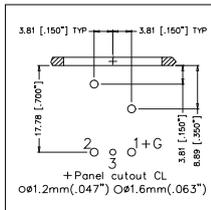


**AC3FAV1  
AC3FAV3  
AC3FBV1  
AC3FBVB1  
AC3FBV3**

**AC3FBVB3  
AC3FAV  
AC3FBV  
AC3FBVB**

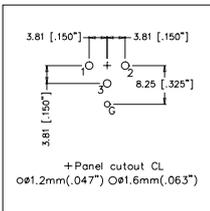


**AC3MAH2  
AC3MAH4  
AC3MBH2  
AC3MBHB2**

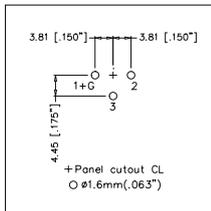


**AC3MAH1  
AC3MAH3  
AC3MBH1  
AC3MBHB1  
AC3MBH3  
AC3MBHB3**

**AC3MAH  
AC3MBH  
AC3MBHB  
AC3MBHL  
AC3MBHBL**



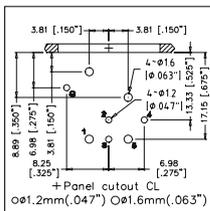
**AC3MAV2  
AC3MAV4  
AC3MBV2  
AC3MBVB2**



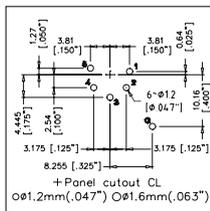
**AC3MAV1  
AC3MAV3  
AC3MBV1  
AC3MBVB1  
AC3MBV3  
AC3MBVB3**

**AC3MBVB3  
AC3MAV  
AC3MBV  
AC3MBVB**

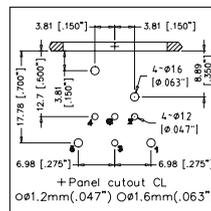
## AC SERIES 5 PIN PCB FOOTPRINTS STRAIGHT (V) - CONNECTOR SIDE OF PCB



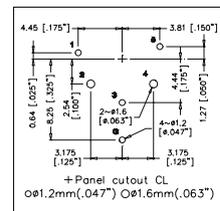
**AC5FAH**



**AC5FAV**



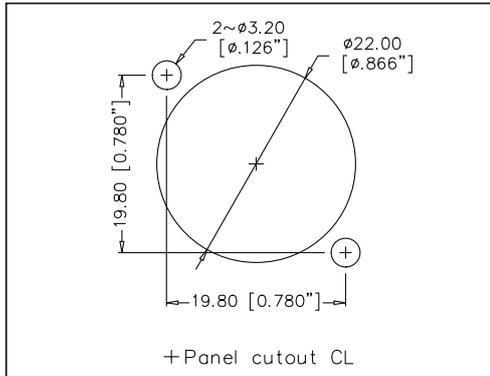
**AC5MAH**



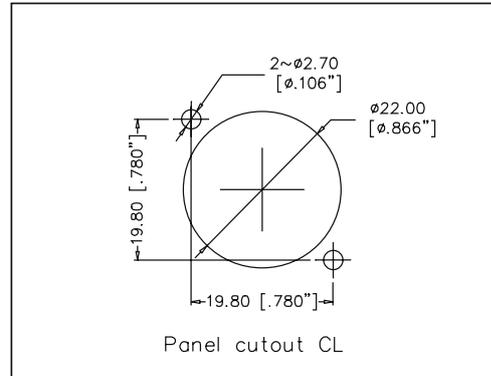
**AC5MAV**

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

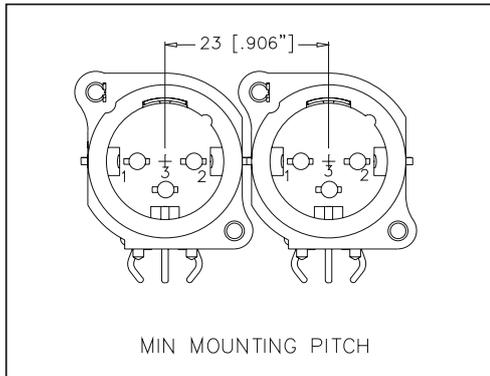
A TYPE



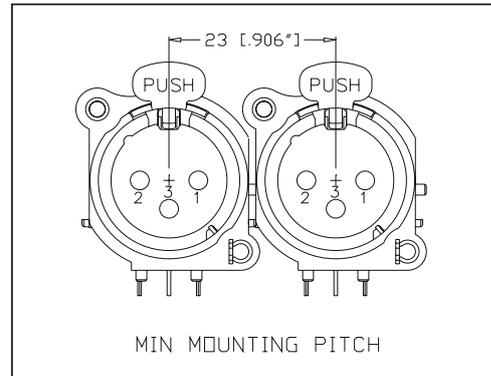
B TYPE



A AND B  
TYPE MALE  
MOUNTING  
PITCH



A AND  
B TYPE  
FEMALE  
MOUNTING  
PITCH



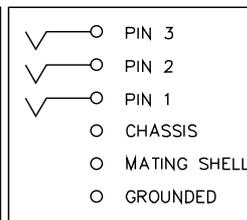
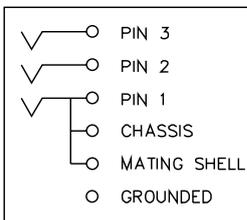
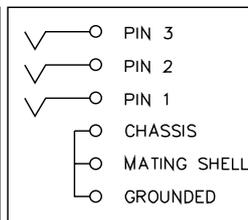
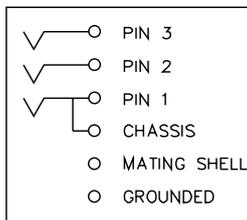
## AC3FA/BH/V SCHEMATIC CHART

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

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

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

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



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

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

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

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

