

THERMOPLASTIC A - TYPE FLANGE 3 CONTACT



Features:


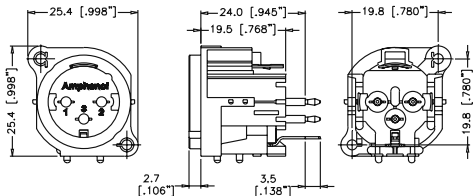

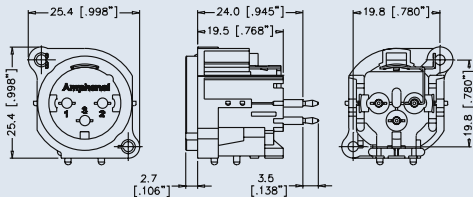

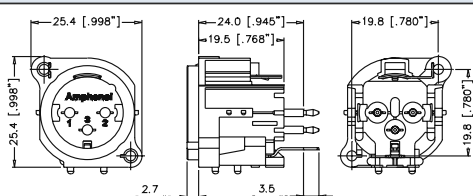

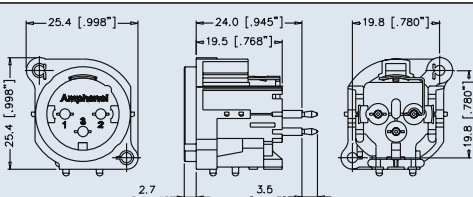

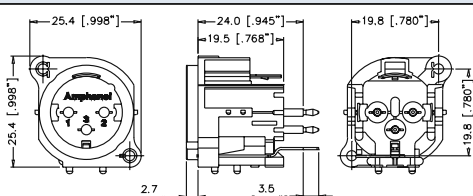

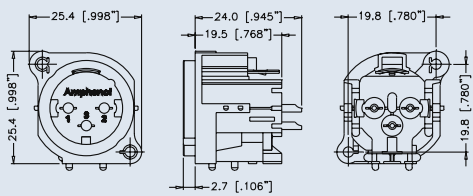

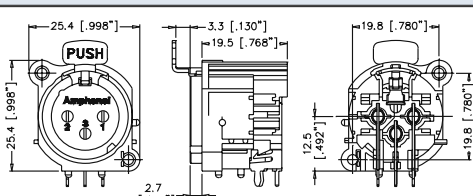

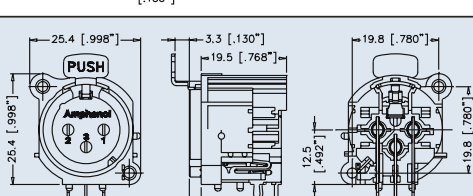
- Thermoplastic Shell
- Industry standard PCB footprints.
- Vertical or Horizontal PCB mounting.
- Precision machined pin contacts.
- Gold plated contacts.
- Leading first mate last break socket contact.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system.


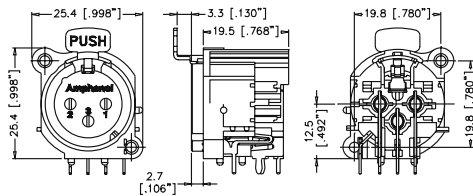

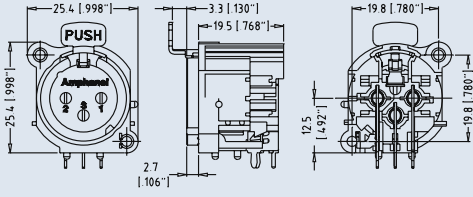

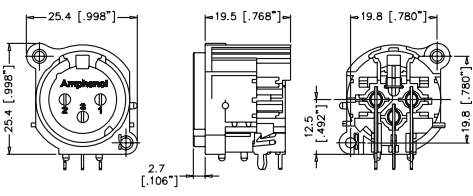

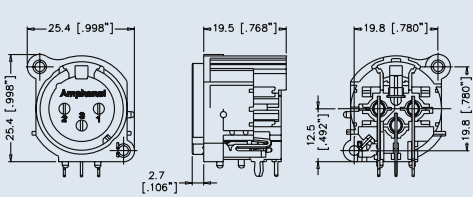

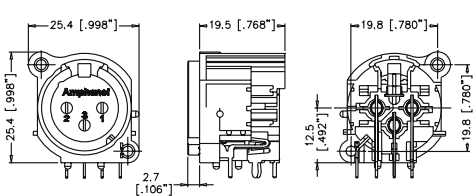

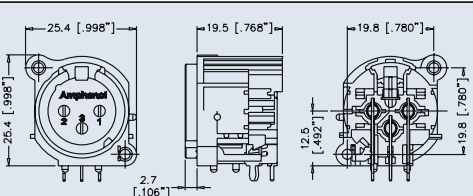

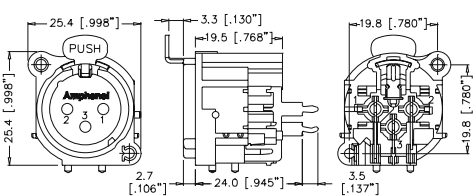

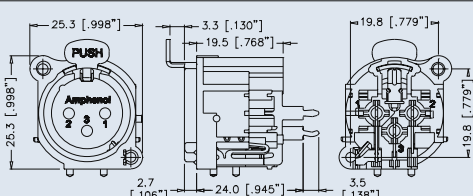
Options: Silver plated contacts, Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

Part Number Breakdown: Page 44-45 **Specifications:** Page 47
PCB Footprints: Page 48 **Panel Cutouts:** Page 49
Recommended Fastener: Page 132


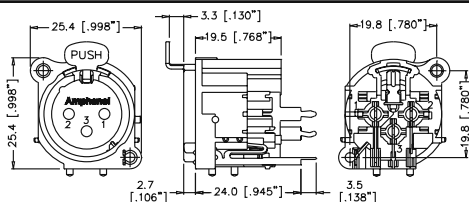

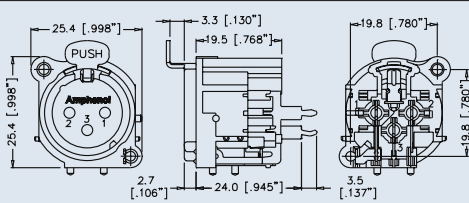

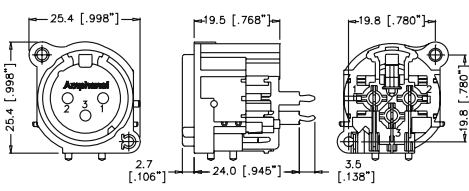

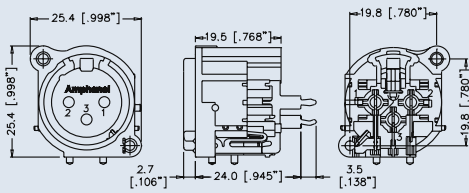

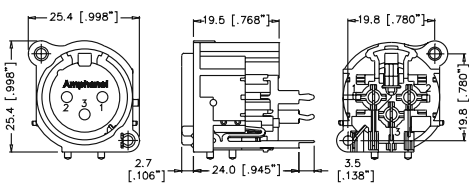

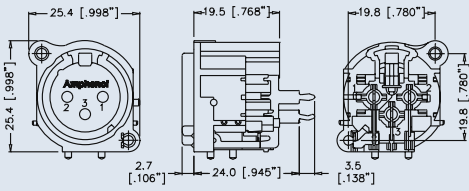


PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	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	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	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
		XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-B
		XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAH3-AU-B
		XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-B
		XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAHL1-AU-B
		XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAHL2-AU-B
		XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis	AC3FAHL3-AU-B
		XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-B
		XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAV1-AU-B



PRODUCT - FIGURE	DRAWING	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

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,

Part Number Breakdown: [Page 46](#)

Specifications: [Page 47](#)

PCB Footprints: [Page 48](#)

Panel Cutouts: [Page 49](#)

Recommended Fastener: [Page 132](#)



PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
		19.8 [.780"] 19.0 [.748"] 25 [.984"] 19.5 [.492"] 25 [.984"] 3.5 [.138"] 2.7 [.106"]	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
		19.8 [.780"] 24 [.945"] 25 [.984"] 12.5 [.492"] 25 [.984"] 27.5 [1.083"] 2.7 [.106"]	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
		19.8 [.780"] 19.5 [.768"] 25 [.984"] 12.5 [.492"] 25 [.984"] 3.2 [.125"] 19.5 [.768"] 2.7 [.106"]	XLR 5 pole female, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAH-AU-B
		19.8 [.780"] 19.5 [.768"] 25 [.984"] 12.5 [.492"] 25 [.984"] 3.2 [.125"] 24 [.945"] 27.5 [1.083"] 2.7 [.106"]	XLR 5 pole female, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAV-AU-B

PART NUMBER BREAKDOWN

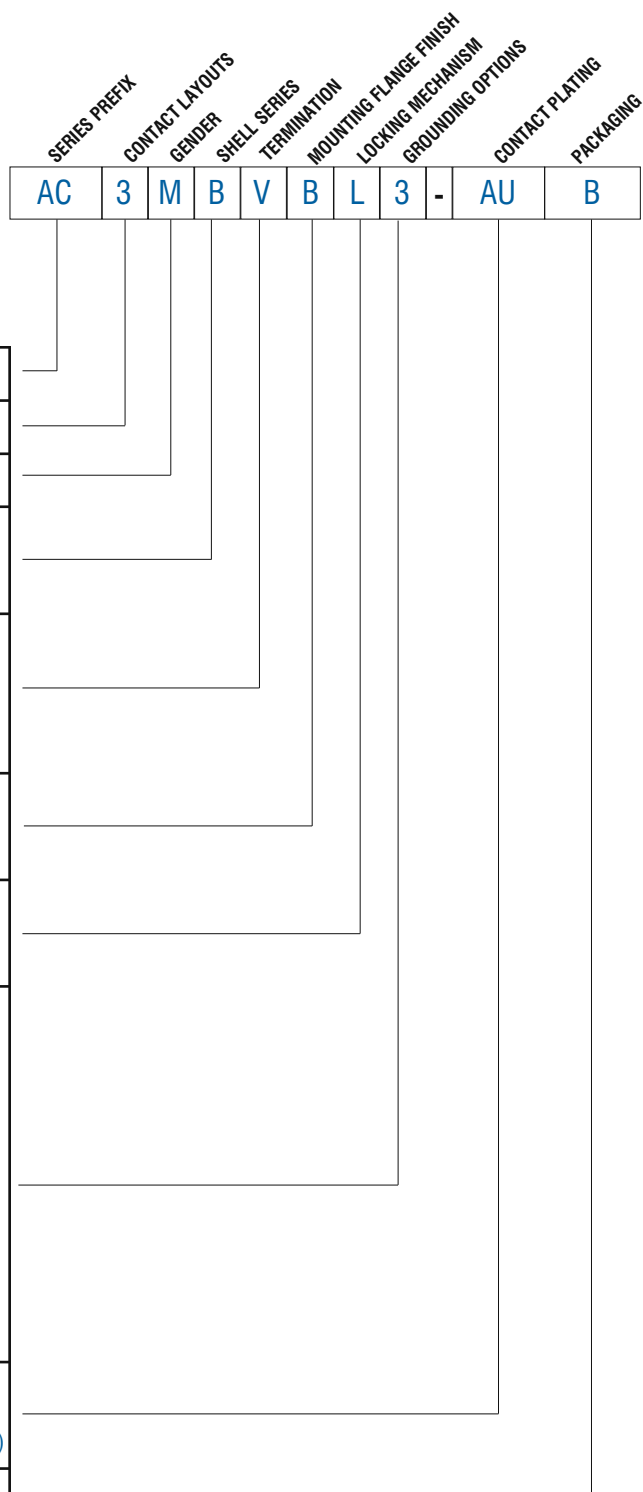
AC SERIES A AND B TYPE MALE - 3 CONTACT



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

AC (series prefix), **3** contacts, **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.

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



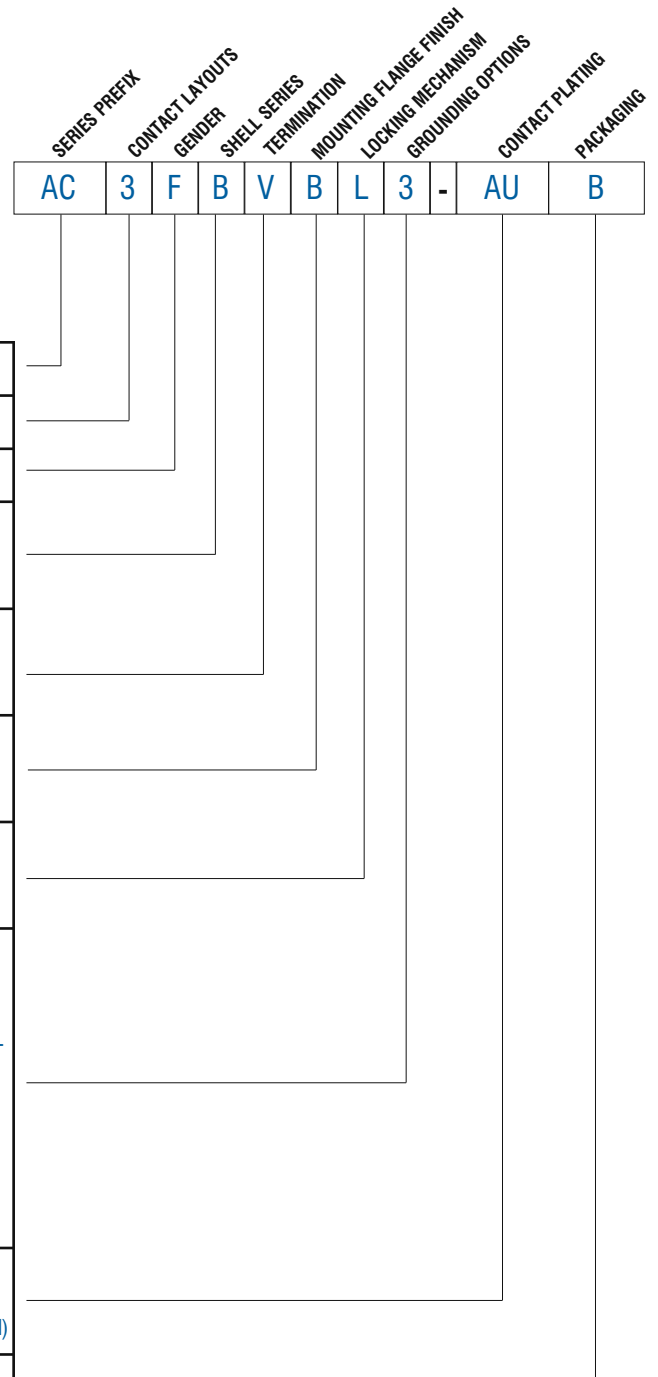
PART NUMBER BREAKDOWN

AC SERIES A 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.

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



PART NUMBER BREAKDOWN

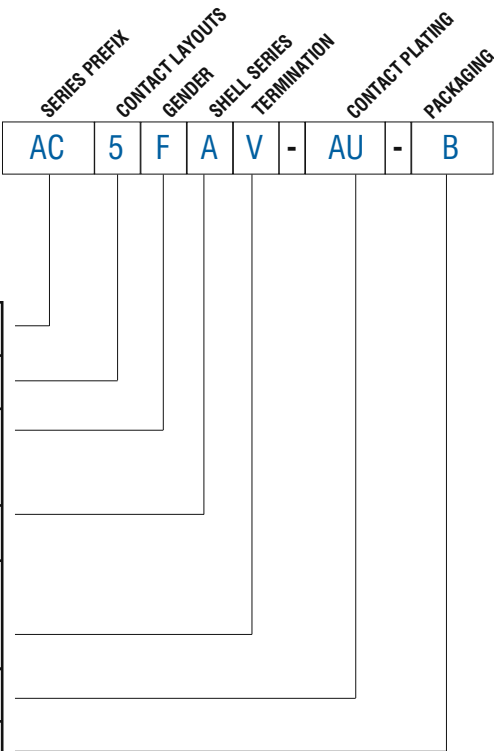
AC SERIES A TYPE MALE AND FEMALE - 5 CONTACT





E. G . **AC5FAV-AU-B**

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

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



STANDARD DATA AC SERIES A AND B TYPE CHASSIS

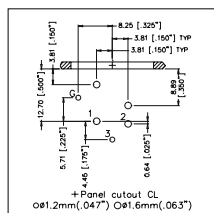
		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	3	5
	Contact Arrangements (Front view of pin insert)		
	Termination	Printed Circuit Board (PCB)	
	Flammability rating of plastics	UL94V-0	UL94HB
	Environmental	Complies with RoHS Directive 2002/95/EC	
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾	
	Test Voltage AC RMS	1500V	
	Current carrying capacity	6A	3A
	Typical Contact Resistance	≤5mΩ	
	Insulation Resistance (initial)	≥2GΩ	
	Insulation Resistance (after damp heat test)	≥1GΩ	
CLIMATIC CHARACTERISTICS	Protection Class	IP40	
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)	
MECHANICAL CHARACTERISTICS	Weight ²⁾	14g (0.030lb)	
	Retention Spring separating force	≥20N	
	Mounting Hole torque max.	1.5Nm	
	Mechanical Operations	1500 mating cycles	
	Fastening A Type Connectors ³⁾ Fastening B Type Connectors ³⁾	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration Self-Tapping screw M2.5	
MATERIALS	Connector Flange - B-Type Flange Finish - B-Type	Diecast Zinc Alloy Nickel or Black	
	Insulators	PA6.6+25% glass fibre reinforced, UL94V-0	UL94HB
	Male Contact Material	Brass	
	Male Contact Plating	0.0762μm (3μ") gold over 0.762μm (30μ") nickel	
	Female Contact Material	Bronze	
	Female Contact Plating	0.0762μm (3μ") gold over 0.762μm (30μ") nickel	
	Latch lock and Spring	Spring Steel	
	Ground element	Spring Steel	

¹⁾ Not suitable for domestic applications above 50V

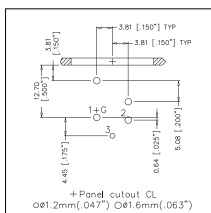
²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

³⁾ Refer to page 132

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

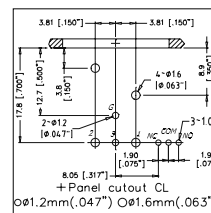


**AC3FAH2
AC3FBH2
AC3FBHB2**

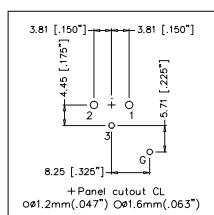


**AC3FAH1
AC3FAH3
AC3FBH1
AC3FBHB1
AC3FBH3**

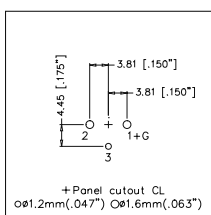
**AC3FBHB3
AC3FAH
AC3FBH
AC3FBHB**



AC3MAH4SWB

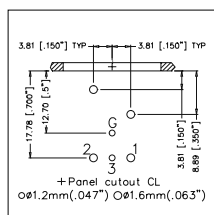


**AC3FAV2
AC3FBV2
AC3FBVB2**

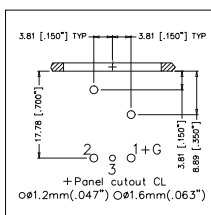


**AC3FAV1
AC3FAV3
AC3FBV1
AC3FBVB1
AC3FBV3**

**AC3FBVB3
AC3FAV
AC3FBV
AC3FBVB**

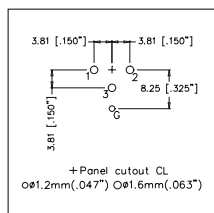


**AC3MAH2
AC3MAH4
AC3MBH2
AC3MBHB2**

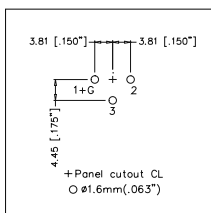


**AC3MAH1
AC3MAH3
AC3MBH1
AC3MBHB1
AC3MBH3
AC3MBHB3**

**AC3MAH
AC3MBH
AC3MBHB
AC3MBHL
AC3MBHBL**



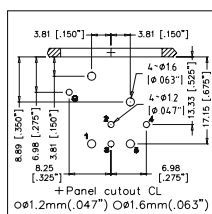
**AC3MAV2
AC3MAV4
AC3MBV2
AC3MBVB2**



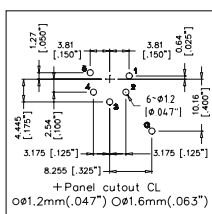
**AC3MAV1
AC3MAV3
AC3MBV1
AC3MBVB1
AC3MBV3
AC3MBVB3**

**AC3MBVB3
AC3MAV
AC3MBV
AC3MBVB**

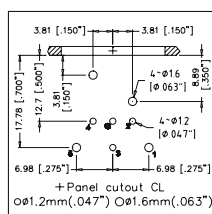
AC SERIES 5 PIN PCB FOOTPRINTS STRAIGHT (V) - CONNECTOR SIDE OF PCB



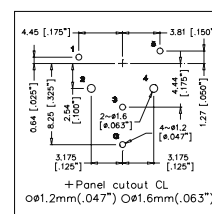
AC5FAH



AC5FAV



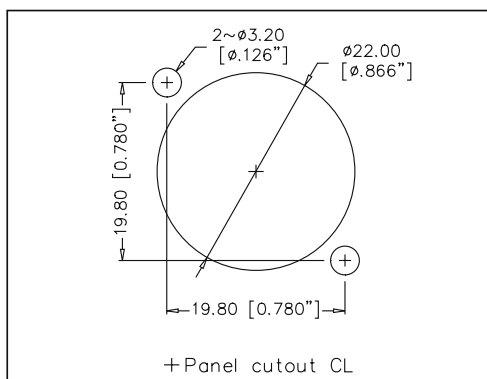
AC5MAH



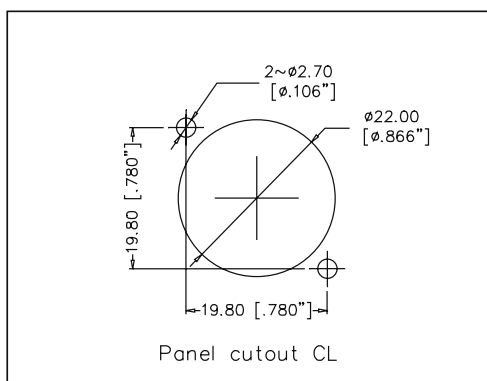
AC5MAV

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

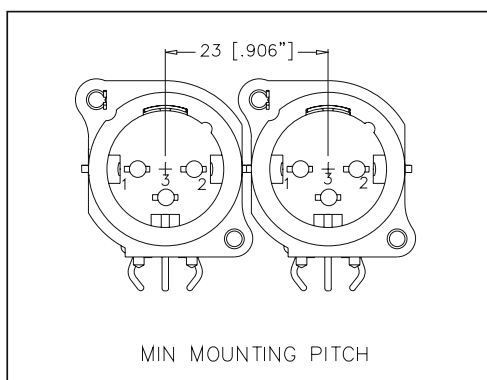
A TYPE



B TYPE



A AND B TYPE MALE
MOUNTING PITCH



A AND B TYPE FEMALE
MOUNTING PITCH

