

# Amphenol

AC SERIES CHASSIS CONNECTORS

## METAL P TYPE FLANGE - SOLDER AND PCB



**Features:**

- Zinc Diecast shell.
- The P size housing is the original wide flange front mounting XLR connector. PN is the original narrow, front mounting male connector.
- Solder Bucket connections.
- Vertical PCB mounting.
- Precision Machined or Stamped contacts (3 pin only).
- Leading first mate last break socket contact.
- Positive latch lock system.

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

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

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Narrow flange, Machined contacts, Nickel Finish	Standard	AC3MMPNZ
			Gold Plated Contacts	AC3MMPNZ-AU	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Narrow flange, Machined contacts, Black Finish	Vertical PCB	AC3MMPNZV
			Gold Plated Contacts	AC3MMPNZB-AU	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Narrow flange, Stamped contacts, Nickel Finish	Bulk Pack	AC3MMPNZ BULK
			Gold Plated Contacts	AC3MMPNZB	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Narrow flange, Stamped contacts, Black Finish	Vertical PCB	AC3MMPNZVB
			Gold Plated Contacts	AC3MMPNZB-AU	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Wide flange, Machined contacts, Nickel Finish	Bulk Pack	AC3MMPNZ BULK
			Gold Plated Contacts	AC3MMPNZB	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Wide flange, Stamped contacts, Black Finish	Vertical PCB	AC3MMPNZVB
			Gold Plated Contacts	AC3MMPNZB-AU	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Wide flange, Machined contacts, Nickel Finish	Bulk Pack	AC3MMPNZ BULK
			Gold Plated Contacts	AC3MMPNZB	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Wide flange, Stamped contacts, Black Finish	Vertical PCB	AC3MMPNZVB
			Gold Plated Contacts	AC3MMPNZB-AU	
		<p>2.4 [0.094\"/&gt; </p>	XLR 3 pole male, Wide flange, Stamped contacts, Black Finish	Bulk Pack	AC3MMPNZ BULK
			Gold Plated Contacts	AC3MMPNZB	

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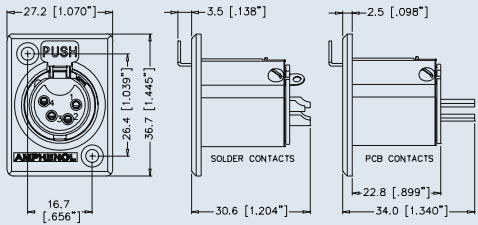

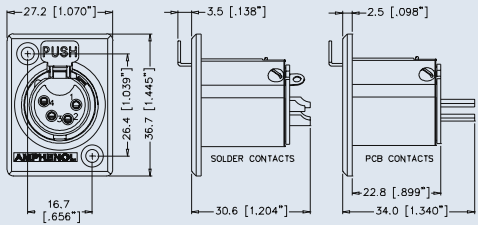

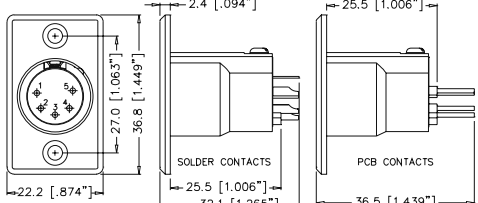

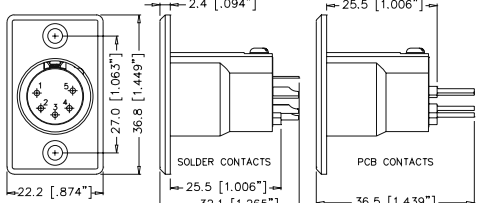

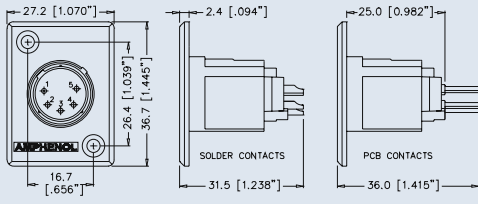

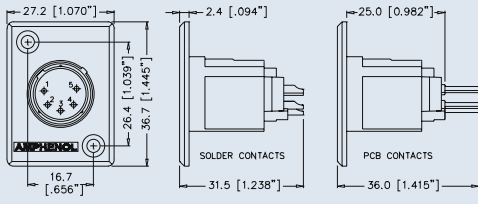

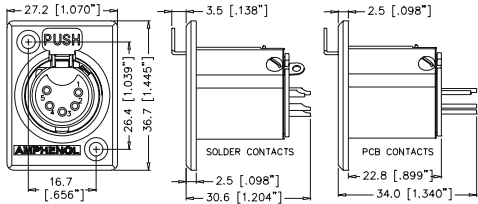

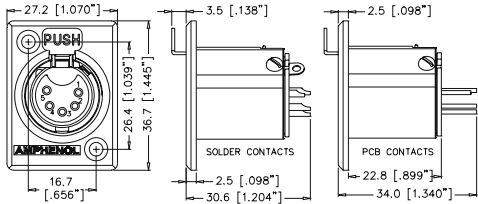
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, Wide flange, Stamped contacts, Nickel Finish	Standard	AC3MP
				Gold Plated Contacts	AC3MP-AU
				Vertical PCB	AC3MPV
				Bulk Pack	AC3MP BULK
			XLR 3 pole male, Wide flange, Stamped contacts, Black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



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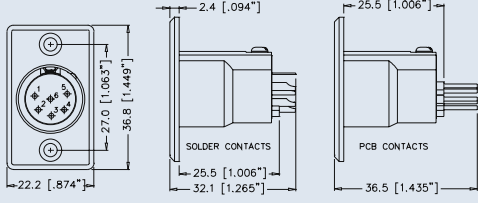

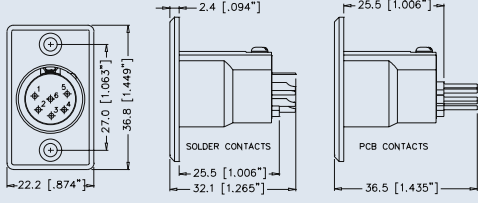

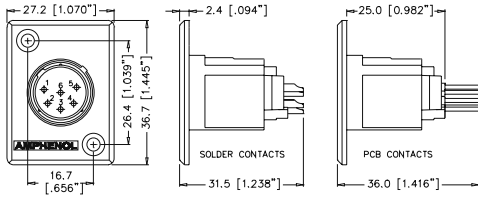

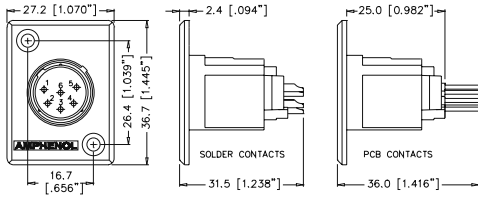

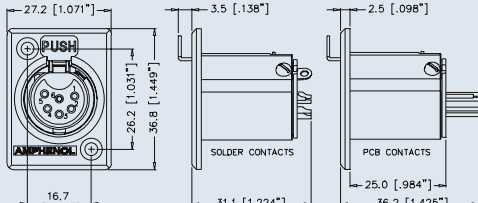

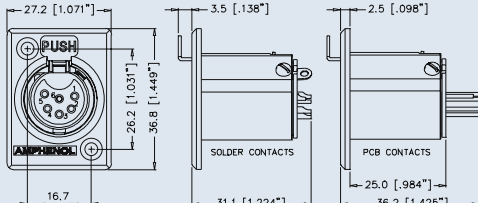

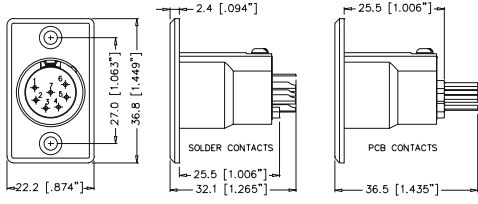

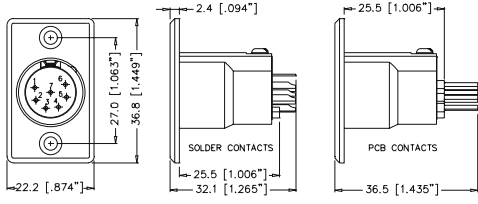
**METAL P TYPE FLANGE**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 4 pole female, Wide flange, Machined contacts, Nickel Finish	Standard	AC4FPZ
				Gold Plated Contacts	AC4FPZ-AU
				Vertical PCB	AC4FPZV
				Bulk Pack	AC4FPZ BULK
			XLR 4 pole female, Wide flange, Machined contacts, Black Finish	Standard	AC4FPZB
				Gold Plated Contacts	AC4FPZB-AU
				Vertical PCB	AC4FPZVB
				Bulk Pack	AC4FPZB BULK
			XLR 5 pole male, Narrow flange, Machined contacts, Nickel Finish	Standard	AC5MPNZ
				Gold Plated Contacts	AC5MPNZ-AU
				Vertical PCB	AC5MPNZV
				Bulk Pack	AC5MPNZ BULK
			XLR 5 pole male, Narrow flange, Machined contacts, Black Finish	Standard	AC5MPNZB
				Gold Plated Contacts	AC5MPNZB-AU
				Vertical PCB	AC5MPNZVB
				Bulk Pack	AC5MPNZB BULK
			XLR 5 pole male, Wide flange, Machined contacts, Nickel Finish	Standard	AC5MP
				Gold Plated Contacts	AC5MP-AU
				Vertical PCB	AC5MPV
				Bulk Pack	AC5MP BULK
			XLR 5 pole male, Wide flange, Machined contacts, Black Finish	Standard	AC5MPB
				Gold Plated Contacts	AC5MPB-AU
				Vertical PCB	AC5MPVB
				Bulk Pack	AC5MPB BULK
			XLR 5 pole female, Wide flange, Machined contacts, Nickel Finish	Standard	AC5FPZ
				Gold Plated Contacts	AC5FPZ-AU
				Vertical PCB	AC5FPZV
				Bulk Pack	AC5FPZ BULK
			XLR 5 pole female, Wide flange, Machined contacts, Black Finish	Standard	AC5FPZB
				Gold Plated Contacts	AC5FPZB-AU
				Vertical PCB	AC5FPZVB
				Bulk Pack	AC5FPZB BULK

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PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 6A pole male, Narrow flange, Machined contacts, Nickel Finish	Standard	AC6AMPNZ
			Gold Plated Contacts	AC6AMPNZ-AU	
			Vertical PCB	AC6AMPNZV	
			Bulk Pack	AC6AMPNZ BULK	
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 6A pole male, Narrow flange, Machined contacts, Black Finish	Standard	AC6AMPNZB
			Gold Plated Contacts	AC6AMPNZB-AU	
			Vertical PCB	AC6AMPNZVB	
			Bulk Pack	AC6AMPNZB BULK	
		<p>2.4 [.094"]</p> <p>25.0 [0.982"]</p> <p>27.2 [1.070"]</p> <p>36.7 [1.445"]</p> <p>26.4 [1.039"]</p> <p>16.7 [.656"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 6A pole male, Wide flange, Machined contacts, Nickel Finish	Standard	AC6AMP
			Gold Plated Contacts	AC6AMP-AU	
			Vertical PCB	AC6AMPV	
			Bulk Pack	AC6AMP BULK	
		<p>2.4 [.094"]</p> <p>25.0 [0.982"]</p> <p>27.2 [1.070"]</p> <p>36.7 [1.445"]</p> <p>26.4 [1.039"]</p> <p>16.7 [.656"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 6A pole male, Wide flange, Machined contacts, Black Finish	Standard	AC6AMPB
			Gold Plated Contacts	AC6AMPB-AU	
			Vertical PCB	AC6AMPVB	
			Bulk Pack	AC6AMPB BULK	
		<p>3.5 [.136"]</p> <p>2.5 [.098"]</p> <p>27.2 [1.071"]</p> <p>36.8 [1.449"]</p> <p>26.2 [1.031"]</p> <p>16.7 [.656"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 6A pole female, Wide flange, Machined contacts, Nickel Finish	Standard	AC6AFPZ
			Gold Plated Contacts	AC6AFPZ-AU	
			Vertical PCB	AC6AFPZV	
			Bulk Pack	AC6AFPZ BULK	
		<p>3.5 [.136"]</p> <p>2.5 [.098"]</p> <p>27.2 [1.071"]</p> <p>36.8 [1.449"]</p> <p>26.2 [1.031"]</p> <p>16.7 [.656"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 6A pole female, Wide flange, Machined contacts, Black Finish,	Standard	AC6AFPZB
			Gold Plated Contacts	AC6AFPZB-AU	
			Vertical PCB	AC6AFPZVB	
			Bulk Pack	AC6AFPZB BULK	
		<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 7 pole male, Narrow flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7MPNZ
			Vertical PCB	AC7MPNZV	
			Bulk Pack	AC7MPNZ BULK	
				<p>2.4 [.094"]</p> <p>25.5 [1.006"]</p> <p>27.0 [1.063"]</p> <p>36.8 [1.449"]</p> <p>22.2 [.874"]</p> <p>SOLDER CONTACTS</p> <p>PCB CONTACTS</p>	XLR 7 pole male, Narrow flange, Gold Plated Machined contacts, Black Finish
	Vertical PCB	AC7MPNZVB			
	Bulk Pack	AC7MPNZB BULK			



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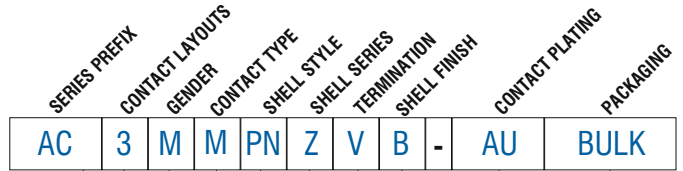
## METAL P TYPE FLANGE

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

## PART NUMBER BREAKDOWN

### METAL TYPE FLANGE

E. G. **AC3MMPNZVB-AU BULK**  
**AC** (Series Prefix), **3** contacts, **M**ale, **M**achined Contacts, **PN** (Narrow Flange),  
**Z** (Metal Chassis Series), **V**ertical Printed Circuit Board, **B**lack Polyester Finish,  
**- AU** (Gold Plated Contacts), **BULK** Packaged.



<b>SERIES PREFIX</b>	AC	=	Series Prefix
<b>CONTACT LAYOUTS</b>	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
	7	=	7 Contacts
<b>GENDER</b>	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
<b>MACHINED CONTACTS</b>	Blank	=	Stamped Contacts
	M	=	Machined Contacts (Applicable 3 male pin contacts only)
NOTE: 4 - 7 contact connectors have machined contacts as standard. They are not available in stamped contacts.			
<b>SHELL STYLE</b>	D	=	Small Flange (front or rear mounting)
	P	=	Large Shell with wide flange
	PN	=	Large Shell with Narrow Flange (male only)
<b>SHELL SERIES</b>	Blank	=	Male P Shell Style only
	Z	=	Metal Chassis Series
<b>TERMINATION</b>	Blank	=	Solder Buckets
	V	=	Vertical Printed Circuit Board
<b>SHELL FINISH</b>	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
<b>CONTACT PLATING</b>	Blank	=	Standard Plating ( Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
NOTE: 7 Contact is gold plated as standard.			
<b>PACKAGING</b>	Blank	=	Individual Bags
	BULK	=	Bulk Packed

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