

# Amphenol

G TYPE CONNECTORS

## G-TYPE MINIATURE XLR



**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 119 Specifications: Page 120**  
**PCB Footprints: Page 121 Panel Cutouts: Page 121**

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		Male cable connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3M AG4M AG5M AG6M
		Female cable connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3F AG4F AG5F AG6F
		Female cable connector with locking ring, Stamped contacts, Nickel Finish.	3 pole 4 pole 5 pole 6 pole	AG3FL AG4FL AG5FL AG6FL
		Male chassis connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCC AG4MCC AG5MCC AG6MCC
		Male chassis connector, Horizontal PCB, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCCH AG4MCCH AG5MCCH AG6MCCH
		Male chassis connector, Horizontal PCB, Machined contacts, Thermoplastic shell	4 pole	AG4MPCH
		Female chassis connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCRV AG4FCRV AG5FCRV AG6FCRV

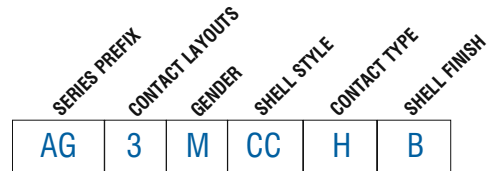


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## PART NUMBER BREAKDOWN

### G TYPE CONNECTORS

E. G. **AG3MCCHB**  
**AG** (Series Prefix), **3** contacts, **Male**, **Chassis Connector**, **Horizontal PCB Contacts**,  
**Black finish**.



<b>SERIES PREFIX</b>	AG	=	Series Prefix
<b>CONTACT LAYOUTS</b>	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6	=	6 Contacts
<b>GENDER</b>	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
<b>SHELL STYLE</b>	Blank	=	Cable Connector Standard (Male or Female)
	J	=	Cable Connector Large Cable clamp / boot O.D (Male or Female)
	L	=	Cable Connector with locking ring (Female)
	CC	=	Chassis Connector Circular Metal (Male)
	CR	=	Chassis Connector Rectangular Metal (Female)
	PC	=	Chassis Connector Plastic (Male)
<b>CONTACT TYPE</b>	Blank	=	Solder Buckets (All styles except PC, CR)
	H	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
<b>SHELL FINISH</b>	Blank	=	Nickel Plated Finish
	B	=	Black Finish



## STANDARD DATA G TYPE

		VALUE			
<b>GENERAL CHARACTERISTICS</b>	Number of contacts	3	4	5	6
	Termination	Printed Circuit Board (PCB) or Solder Bucket			
	Flammability	UL94V-0			
<b>ELECTRICAL CHARACTERISTICS</b>	Service Voltage RMS <sup>1)</sup>	1000V	1000V	1000V	250V
	Test Voltage AC RMS	125V AC			
	Current carrying capacity	5A	5A	4A	1.2A
	Typical Contact Resistance	≤10mΩ			
	Insulation Resistance (initial)	≥510MΩ			
	Insulation Resistance (After damp heat test)	≥10MΩ			
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class	IP00			
	Operating Temperature	-30 °C to +80 °C (-20F - +176F)			
<b>MECHANICAL CHARACTERISTICS</b>	Weight **	13.5g (0.029lb)			
	Insertion Spring Separating Force	≥20N			
	Mechanical Operations	5000 mating cycles	5000 mating cycles	5000 mating cycles	2000 mating cycles
	Cable O.D. range	2mm to 3.5mm (0.078" to 0.137")		3mm to 5mm (0.118" to 0.196")	
<b>MATERIALS</b>	Connector Shell	Bronze & Zinc			
	Shell Finish	Nickel Plated			
	Insulators	PPS - Black			
	Male Contact - Material	Brass C3604			
	- Plating	Gold over Silver plated			
	Female Contact - Material	Brass C5210P			
	- Plating	Gold over Silver plated			
	Latch Lock and Spring	SUS (AISI - 301) - Nickel Plated			
	Adaptor	PPS - Black			
	Cable Clamp	Bronze - Nickel Plated			
	Boot/Backshell	ABS - Black			
Grommet	PU - Black				

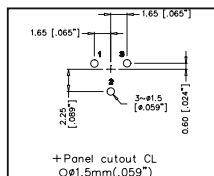
\*\*Approximate weight in grams not include packaging. Please contact us for exact weight for shipping purposes.

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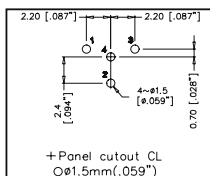
PLUGS AND SOCKETS

G TYPE CONNECTORS

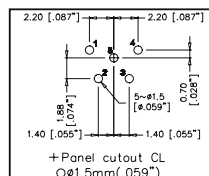
## PANEL CUTOUTS - CONNECTOR SIDE OF PCB



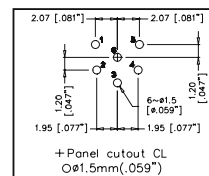
AG3MCC



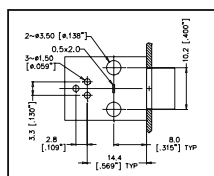
AG4MCC



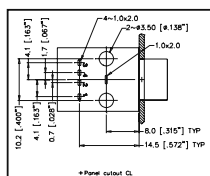
AG5MCC



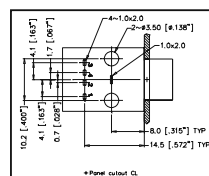
AG6MCC



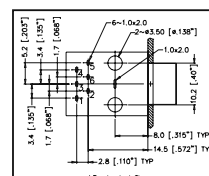
AG3MCCH



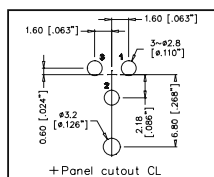
AG4MCCH



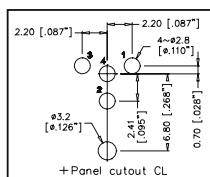
AG5MCCH



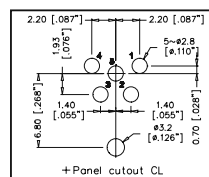
AG6MCCH



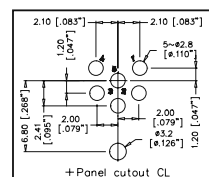
AG3FCRV



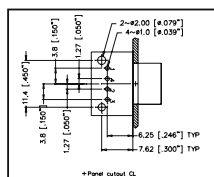
AG4FCRV



AG5FCRV

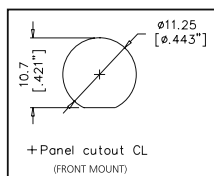


AG6FCRV

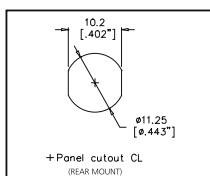


AG4MPCH

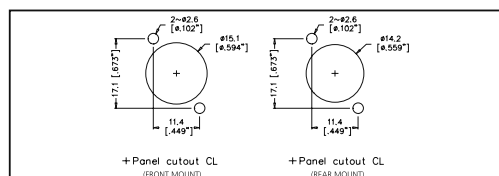
## PANEL CUTOUTS - FRONT VIEW



AG3MCC  
AG4MCC  
AG5MCC  
AG6MCC



AG3MCCH  
AG4MCCH  
AG5MCCH  
AG6MCCH  
AG4MPCH



AG3FCRV  
AG4FCRV  
AG5FCRV  
AG6FCRV