

XLR Connectors

G-Type Miniature XLR Connectors



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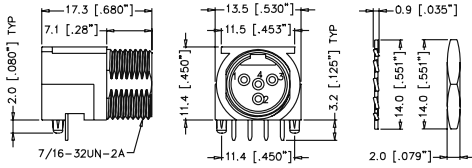
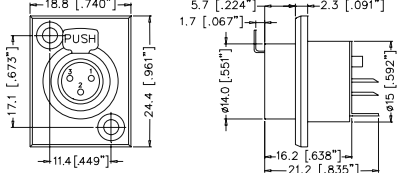
Features:

- 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

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PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		$\phi 10.5$ [.413"] 52 [2.055"]	Male cable connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3M AG4M AG5M AG6M
		$\phi 10.5$ [.413"] 40.5 [1.596"] 49 [1.910"]	Female cable connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3F AG4F AG5F AG6F
		36 [1.398"] 9 [.339"] $\phi 12.9$ [.508"] 16 [.634"] 49 [1.929"]	Female cable connector with locking ring, Stamped contacts, Nickel Finish.	3 pole 4 pole 5 pole 6 pole	AG3FL AG4FL AG5FL AG6FL
		1.0 [.039"] 2.0 [.079"] $7/16"$ [.32"] 8 [.32"] 13.8 [.543"] 1.4 [.055"] 17.8 [.701"] $\phi 12$ [.472"]	Male chassis connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCC AG4MCC AG5MCC AG6MCC
		22.1 [.870"] 2.5 [.098"] 16.5 [.650"] 8.6 [.337"] 14.4 [.567"] 18.5 [.726"] 8.4 [.333"] 1.0 [.039"] 2.0 [.079"] 17.5 [.688"] 19.5 [.768"] 2.0	Female chassis connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCE AG4FCE AG5FCE AG6FCE
		26.8 [1.056"] 2.5 [.098"] 19.9 [.785"] 15.5 [.610"] 15.2 [.597"] 18.0 [.707"] 3.9 [.154"] TYP 2.0 [.079"] 1.0 [.039"] 14.0 [.551"]	Male chassis connector, Horizontal PCB, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCCH AG4MCCH AG5MCCH AG6MCCH
		28.3 [1.114"] 2.5 [.098"] 8.4 [.333"] 14.6 [.575"] 2.8 [.110"] 18.1 [.713"] 18.0 [.707"] 4.0 [.157"] 1.0 [.039"] 2.0 [.079"] 17.5 [.688"] 19.5 [.768"] 2.0	Female chassis connector, Horizontal PCB, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCCH AG4FCCH AG5FCCH AG6FCCH

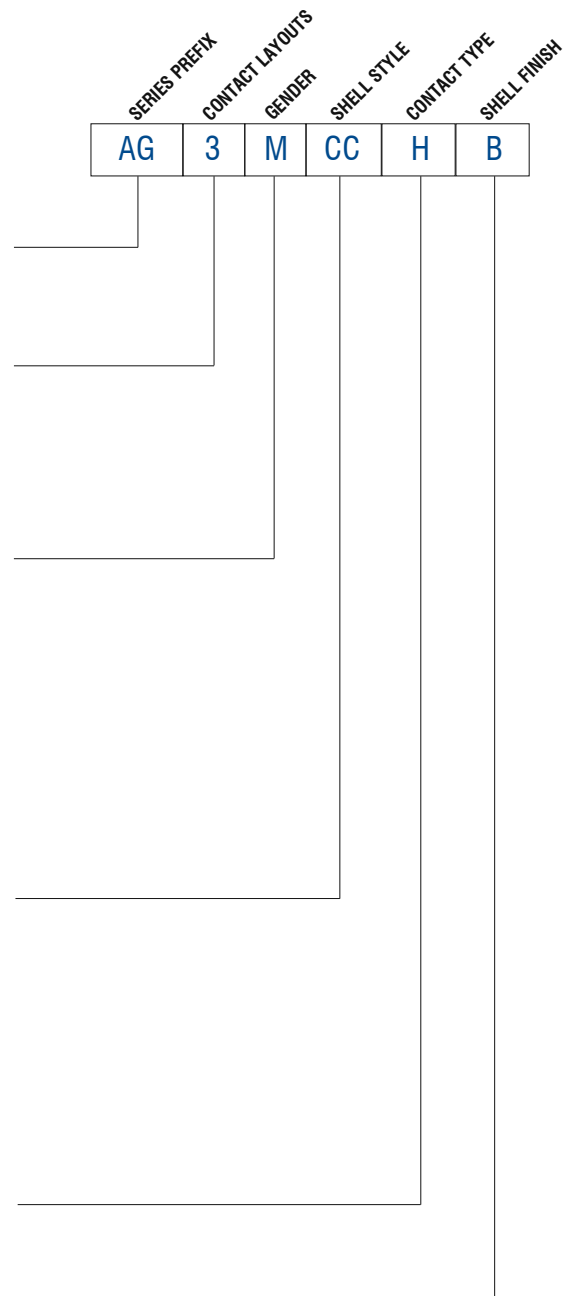
		Male chassis connector, Horizontal PCB, Machined contacts, Thermoplastic shell	4 pole	AG4MPCH
		Female chassis connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCRV AG4FCRV AG5FCRV AG6FCRV

PART NUMBER BREAKDOWN

G TYPE CONNECTORS

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

SERIES PREFIX	AG	=	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	H	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
	Blank	=	Nickel Plated Finish
SHELL FINISH	B	=	Black Finish



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STANDARD DATA G TYPE

		VALUE			
GENERAL CHARACTERISTICS	Number of Contacts	3	4	5	6
	Termination	Printed Circuit Board (PCB) or Solder Bucket			
	Max. Wire Gauge - Stranded Wire	AWG 24 - 0.2mm ²			AWG 28 - 0.08mm ²
	Flammability	UL94V-HB			
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU			
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	5A	5A	4A	1.2A
	Typical Contact Resistance	≤10mΩ			
	Insulation resistance (initial) After Damp Heat Test	≥510MΩ ≥10MΩ			
	Dielectric Strength	1000 V dc			250 V dc
CLIMATIC CHARACTERISTICS	Protection Class	IP00			
	Operating Temperature	-30 °C to +80 °C (-20F - +176F)			
MECHANICAL CHARACTERISTICS	Insertion Spring 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	5000 mating cycles			2000 mating cycles
	Weight	13.5g (0.029lb)			
MATERIALS	Connector Shell	Bronze & Zinc			
	Connector 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			

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