Style

M12 Socket, shielded 8 pin A-coding

Ratings

Voltage: 30 V Current: 2 A

Operating Temperature Range

-40 ~ 105 °C

Materials

- 1 Insulator: Polyamide 66 (PA66), UL94 HB, black
 (2) Pin: C3604 brass, gold plated
 (3) Shell: C3604 brass, nickel plated
 (4) O-ring: Nitrile rubber, black & green

- (5) Pin alignment guide: Polyamide 66 (PA66), UL94 HB, black

Electrical Requirements

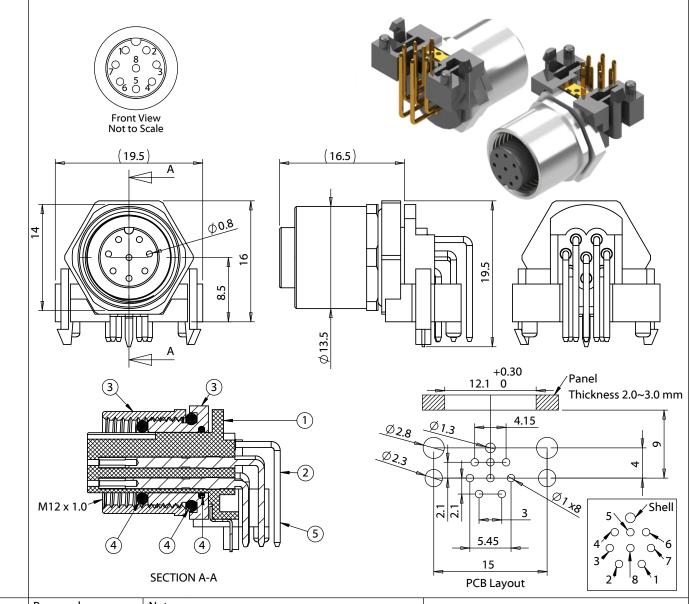
Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

Mechanical Requirements

Life cycle: 500 mating cycles minimum

Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap

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Date:	Description:	Prepared:	Notes:						
9/29/2020	Initial release		RoHS compliant		11	NSII.	ITY		
10/13/2021	Added pin alignment guide	Verified:	Function test: no open, no short circuit, no intermittent		tel 1.541.323.3228 800 877.670.7118				
		Dimensions are in				10x 1.541.525.4202 web terisinty.com			
		millimeters.Tolerances:X: ± 0.5 mm	Description:	Size:	Size: Part number:				
			Connector, 8 pin M12 A-code socket, 12xL23.4mm,	А 54-00248					
	X.X: ± 0.3 mm X.XX: ± 0.1 mm	gold plated, PCB mount, 90°, PCB, IP67	Scale	: 2:1		Sheet 1 of 1			
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