Style

M12 Socket, shielded 8 pin X-coding

Ratings

Voltage: 50 Vac / 60 Vdc Current: 0.5 A (all contacts) 1 A (single contact)

Operating Temperature Range

-40~105°C

Materials

- (1) Insulator: Polyamide 66 (PA66), UL94 HB, black
- (2) Pin: phosphor copper, gold plated
 (3) Inner shielding: Zinc aluminum alloy, nickel plated
 (4) Shell: C3604 brass, nickel plated
 (5) O-ring: Silicone rubber
 (6) Shield contact: C3604 brass, nickel plated

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 10 mΩ or less

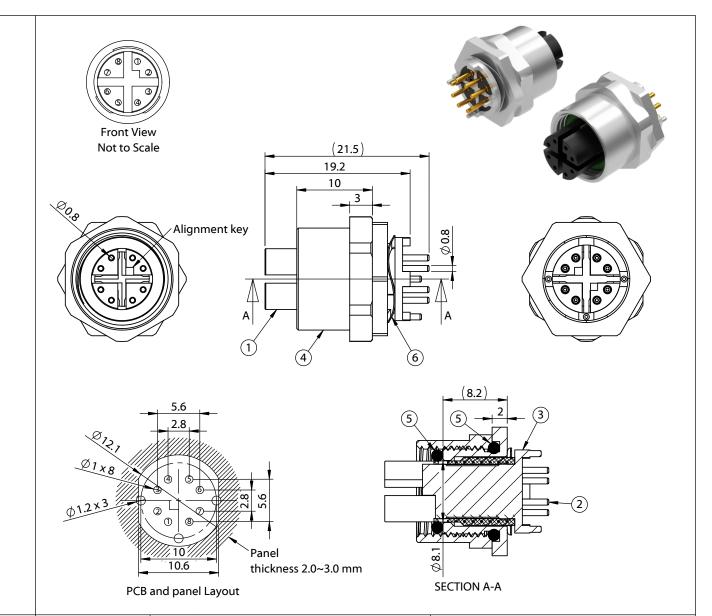
Mechanical Requirements

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.

Transmission Characteristics:

CAT6a



Revision:	Date:	Description:	Prepared:	Notes:		
A	5/9/2023	Initial release		RoHS compliant		ENSILITY
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
				Description: Connector, M12 X-code socket, 8 pin, 8xL21.5 mm, panel mount, thru hole, gold plated, IP67	Size: Part number: A 54-00390	
					Scale:	e: 2:1 Sheet 1 of 1

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