



## Harsh Environment Connectivity Solutions

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### TA Series Male

TA Series Tini Q-GÂ® (Mini XLR) male cable mount connectors.

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SPECIFICATIONS: (3 â€ 5 CORD MOUNT ONLY)

### ELECTRICAL

- Contact Resistance: .010 ohms maximum after life (and after salt spray).
- Current Rating (Carry Only): 5 A, 125 V AC (4 A, 125 V AC on 5 circuit) based on 30Â°C maximum.
- Insulation Resistance: 510,000 megohms minimum @ 500 VDC (initial); 10,000 megohms minimum (after humidity test).
- Dielectric Strength: 1,000 V (rms).

### MECHANICAL

- Life: 5,000 operations minimum
- Insertion/Withdrawal Forces (after life): 6.1 lb./2.77 kg after life, insertion; 5.6 lb/2.54 kg, withdrawal.
- Solderability Standard: Meets EIA RS-186-9E.
- Mechanical Shock: Meets MIL-STD-202, method 213B.
- Vibration: Meets MIL-STD-202, method 201A.
- Wire Size: #22 wire gauge solid; #24 wire gauge stranded.

### ENVIRONMENTAL

- Thermal Range: -55Â°C to + 85Â°C.
- Humidity: Meets MIL-STD-202, method 106D.
- Thermal Shock: Meets MIL-STD-202, method 107D.
- Salt Spray: Meets MIL-STD-202, method 101.

### MATERIAL

- Housing, Plugs and Male Receptacles: Copper alloy, nickel-plated.  
Female Receptacleâ€Die-cast zinc, nickel-plated.
- Black Tini Q-GÂ® Housing: Copper alloy, black chrome-plated.

- Pin and Socket Contacts: Copper alloy, silver-plated.
- Flex Relief: Molded black thermoplastic elastomer.
- Latch Button: Molded black thermoplastic.
- Release Lever and Mounting Washer: Steel, nickel-plated.
- Standoff/Ground Terminal and Cable Clamp: Steel, electrotinned.
- Inserts and Insulating Spacer: Molded, high strength thermoplastic
- Latch (Female): Copper alloy, nickel-plated.
- Mounting Nut: Copper alloy, nickel-plated.

SPECIFICATIONS (6 1/8 Cord Mount and all Receptacles and Adapters):

## ELECTRICAL

- Contact Resistance: .010 ohm maximum after life.
- Current Rating (Carry only): 1.5A, 125 VAC, based on 30Â° maximum
- Insulation Resistance: 510,000 MO minimum @ 500 VDC (initial).
- Dielectric Strength: 250 V rms.

## MECHANICAL

- Life: 2,000 operations
- Insertion/Withdrawal Forces (after life): 13 pound insertion; 13 pound maximum withdrawal
- Solderability Standard: Meets EIA RS-186-9E.
- Wire Size: 28 wire gauge stranded.

## MATERIAL

- Housings, Plugs and Male Receptacles: Copper alloy, nickel-plated.
- Socket Contacts: Copper alloy, silver-plated.
- Pin Contacts:<