

Switchcraft®

Shielded Mini XLR Tini-QG® Series



Shielded Tini-QG®

Features & Benefits:

- Protects circuits from EMI & RF interference
- Sturdy construction with rugged precision machined metal parts and high dimensional stability thermoplastic molded parts
- Latchlock – positive latching systems assures high integrity vibration resistant mating
- Strain relief available for all versions

Tini-QG® Cap

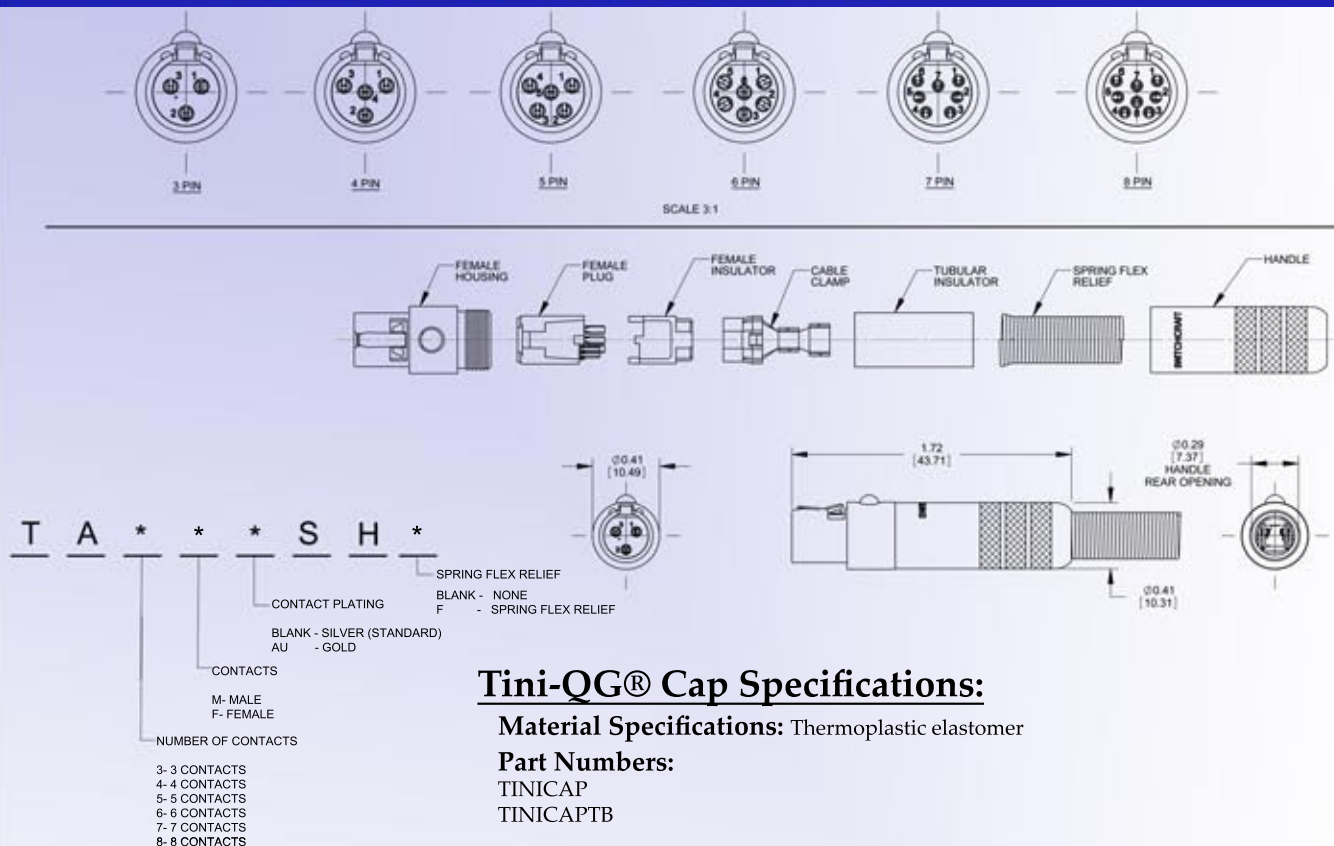
Features & Benefits:

- Provides dust protection for the panel when not connected to cable end
- IP rating of IP50
- Flexible thermoplastic elastomer construction



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Shielded Tini-QG® Specifications:

Electrical Specifications (3-5 Cord Mount Only)

Contact Resistance: .010 ohms maximum after life (and after salt spray)

Current Rating (Carry Only): 5 A, 125 VAC (4 A, 125 VAC on 5 circuit) based on 30°C Maximum

Insulation Resistance: 510,000 MΩ minimum @ 500 VDC (initial); 10,000 MΩ minimum (after humidity test)

Dielectric Strength: 1,000 V (rms)

Electrical Specifications (6-8 Cord Mount and all receptacles & adapters)

Contact Resistance: 0.010 ohms maximum after life

Current Rating (Carry Only): 1.5 A, 125 VAC based on 30°C Maximum

Insulation Resistance: 510,000 MΩ minimum @ 500 VDC (initial)

Dielectric Strength: 250 V (rms)

Material Specifications

Housing: Copper alloy, nickel plated

Contacts: Copper alloy, silver or gold plated

Cable Clamp/Ground Terminal: Steel, electro-tin plated

Inserts and Insulating Spacer: Thermoplastic (UL-94V-0)

Handle: Copper alloy, nickel plated

Latch (female only): Copper alloy, nickel plated

Latch Button (female only): Thermoplastic

Tubular Insulator: Fish paper

Spring Flex Relief (optional): Stainless steel

Mechanical Specifications (3-5 Cord Mount Only)

Life: 5,000 operations minimum

Insertion/Withdrawal Forces (after life): 6.1 lb/2.77 kg 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

Mechanical Specifications (6-8 Cord Mount and all receptacles & adapters)

Life: 2,000 operations minimum

Insertion/Withdrawal Forces (after life): 13 lb/5.9 kg insertion; 13 lb/5.9 kg Maximum 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: #28 wire gauge stranded

Environmental Specifications

Thermal Range: -55°C to + 85°C

Humidity: Meets MIL-STD-202, method 106D

Thermal Shock: Meets MIL-STD-202, method 107D

Salt Spray: Meets MIL-STD-202, method 101