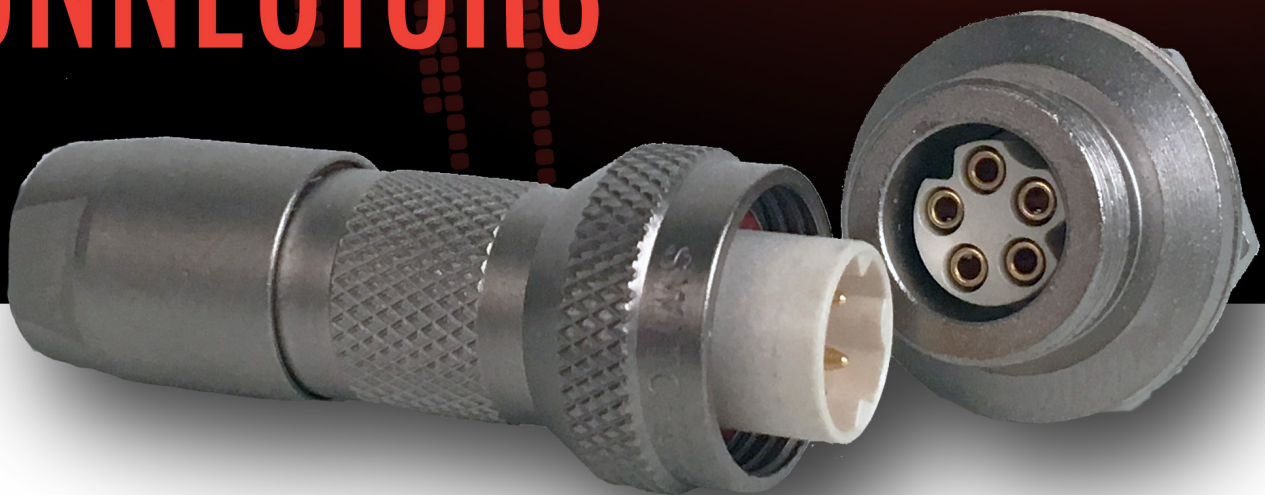


TS SERIES
DURA-TWIST®
THREADED LOCKING
CONNECTORS



Switchcraft®
CONXALL®

HARSH ENVIRONMENT CONNECTIVITY SOLUTIONS

Durable nickel plated brass housing is sealed to IP68 and IP69K



Threaded locking mechanism for a secure and easy connection

Available with up to 9 contacts



Rear or front mounting options available on panel mounts



Cable to cable in-line connector also available

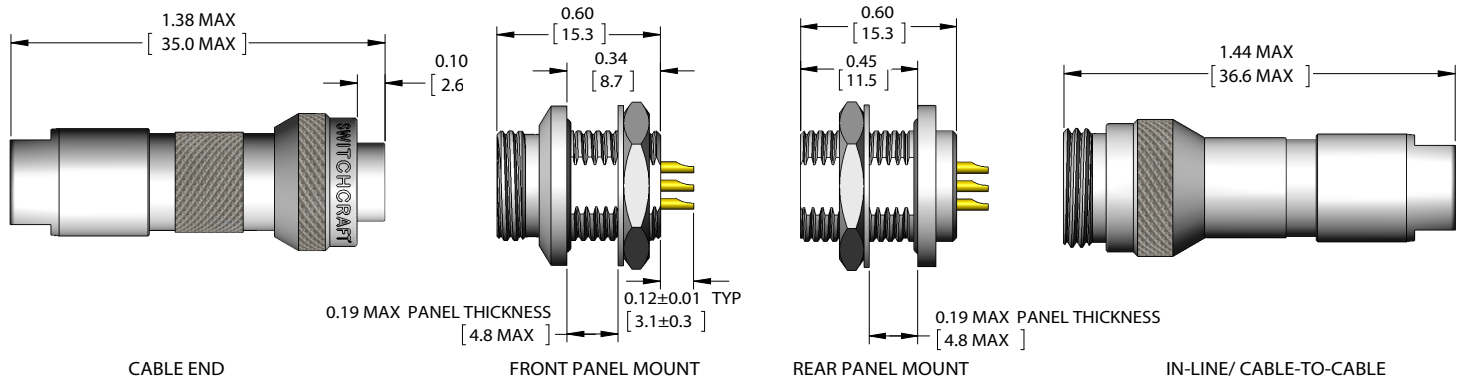
FEATURES

- Easy, blind mating
- Compact, 1/2" connector size
- Waterproof to IP68 and IP69K
- Can withstand the temperature and pressure of autoclave sterilization
- 360° EMI Shielding
- Available with #20 contacts or #26 contacts
- Rear mount or front mount panels available
- Contacts can be soldered or crimped (shipped unassembled, assembly tools available)
- Factory molded cables available with straight or right angle cable end options

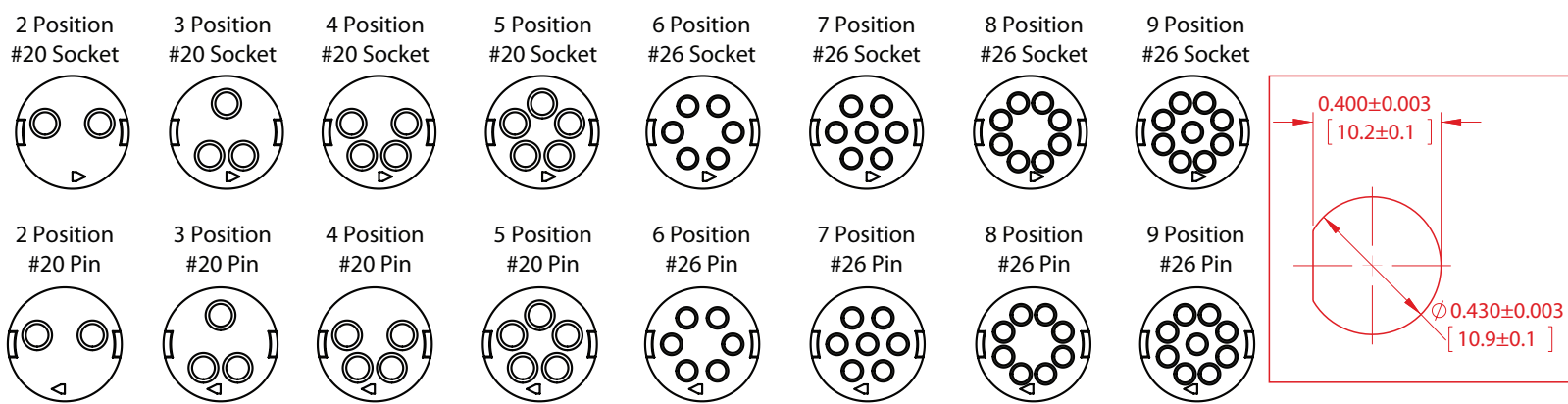
APPLICATIONS

- Medical devices
- Audio connections
- Outdoor data acquisition devices
- Test and Measurement
- Agriculture electronics
- Safety and Security
- Harsh environments
- General electronic applications

OVERALL DIMENSIONS

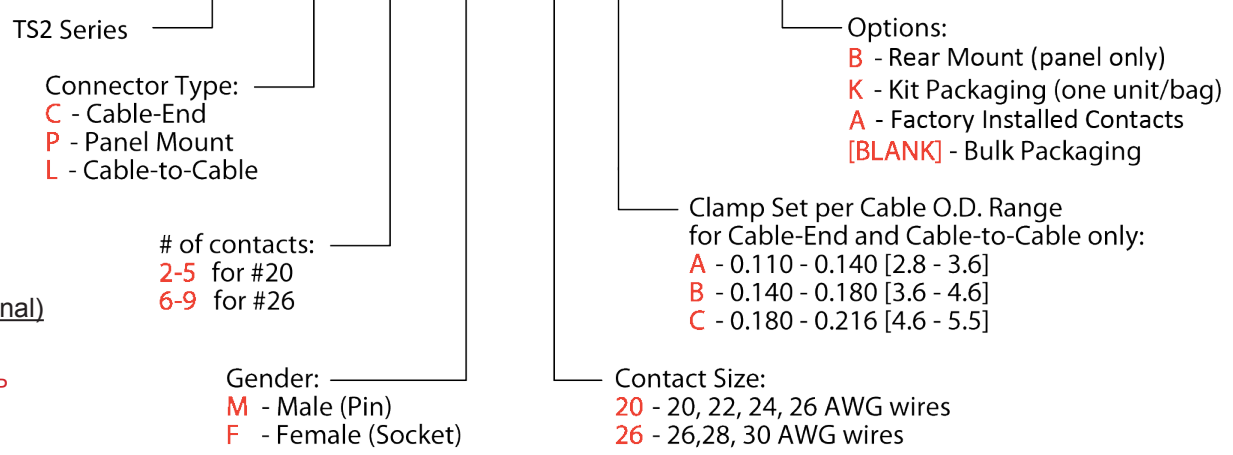


CONTACT LAYOUTS (REAR/WIRING SIDE) / RECOMMENDED PANEL CUTOUT



ORDERING CODE

TS2 X X X XX X - X



Sealing Caps (Optional)
 Cable End: TS2CCAP
 Panel: TS2PCAP
 Cable to Cable: TS2LCAP

SPECIFICATIONS

MECHANICAL:

Mating / Locking Type:	Threaded Coupling
Life:	5,000 cycles minimum
Operating Forces:	10 lb. [44.5 N] max. insertion/withdrawal
Vibration:	Mil-Std 202G Method 201A
Panel Hex Nut Torque:	40 in-lb [4.5 Nm] maximum
Cable Securing System:	Threaded on metal clamp

ELECTRICAL:

Voltage Rating:	125 V AC/DC for 2-5 contacts 30 V AC/DC for 6-9 contacts
Current Rating:	10A max for 2 position 2A max for 9 position Refer to website for detailed information
Insulation Resistance:	1000 MΩ minimum
Contact Resistance:	10 mΩ typical

ENVIRONMENTAL:

Temperature Limits:	-40°C to +135°C (-40°F to +275°F)
Operating Temperature:	Refer to website for detailed information
Moisture Resistance:	Mil-Std 202G Method 106G
Insulation Resistance:	Mil-Std 202G Method 302
Thermal Shock:	Mil-Std 202G Method 107G
Salt Atmosphere :	Mil-Std 202G Method 101E
Ingress Protection :	IP66, IP67, IP68 per IEC60529 NEMA 250 6P, and IP69K

MATERIAL:

Outer Shell:	Copper alloy, electroless nickel plated
Hardware:	Copper alloy, nickel plated
Interior Metal Components:	Copper alloy, nickel plated
Electrical Insulator:	LCP, natural
Seal O-rings:	Thermoplastic elastomer
Contacts:	Copper Alloy, gold plated, with stainless steel locking clip