

Amphenol SCE2/Terrapin Series



MINIATURE PUSH-PULL CONNECTOR FOR HARSH APPLICATIONS

Amphenol's SCE2 Terrapin series of miniature push-pull connectors are environmentally-sealed for use in harsh environments. They offer silent mating with high mating cycles and a lockable coupling ring to prevent connector break-away. For more product details, please see full specifications below.

APPLICATIONS

- Radios
- GPS units
- LAN switches and routers
- Headsets
- Computer systems
- Gigabit ethernet

TECHNICAL SPECIFICATIONS

MATERIALS AND FINISHES

Shell Material	Brass / Aluminum
Shell Plating	Black-silver (non-reflective) / Black Zinc Nickel (Aluminium only)
Contact Material	Copper alloy
Contact Plating	1µM of gold over nickel

ELECTRICAL DATA

Current Rating	26AWG contacts: 1.5A DC	20AWG contacts: 7.5A DC
Shell-to-Shell Continuity	10mΩ max (shielded)	200mΩ max (unshielded)
Contact Resistance	5mΩ initial 10mΩ maximum	
Insulation Resistance	1000mΩ minimum ; production tested to 500mΩ	
Working Voltage	400Vac (rms)	
Dielectric Withstanding Voltage	2mA maximum leakage	

TECHNICAL

Mating Durability	2000+ cycles
Backshell Overtorque	19.914 lb.f.in. / 2.25 Nm
Panel Nut Overtorque	19.914 lb.f.in. / 2.25 Nm
Non-magnetic	Yes

ENVIRONMENTAL

Operating Temperature Range	-67°F to + 248°F (-55°C to + 125°C)
Temperature Endurance	250 hours +125°C
Sealing (mated and unmated)	IP68, 1 hour at 2 meters*
Air Leakage	Less than 1cc per hour
Salt Spray	Black-silver 1000-hours, Black Zinc Nickel: 500-hours
Altitude Immersion	70,000 feet
RoHS-Compliant	Yes
Suitable for RoHS-Compliant Soldering	Yes

*Contact us if greater depth/duration of sealing is required