INTRODUCING

Size 12 SMPM Contacts

- **Supports signal transmission up to 65 GHz**



TE Connectivity's (TE) latest size 12 SMPM contacts will support up to 65 GHz, enabling usage in many new applications. This product was adopted in the SOSA™ technical standard released in 2021, which is being widely adopted in every military branch. This standard includes the option for high density, high frequency RF: the J8 connector per MIL-DTL 38999 standard with our size 12 SMPM contacts will admirably address this requirement.

TARGET MARKETS

- Military Marine
- Missile Defense
- Ground Defense
- Military Aerospace
- Radar

ELECTRICAL

- Frequency: DC – 65 GHz
- Impedance: 50 Ohms
- Insertion Loss: 0.12√ frequency (GHz) dB

MATERIALS

Pin

- Shroud and Sleeve: Stainless steel
- Body and Center Contact: Copper alloy
- Insert: Brass
- Insulator: PTFE
- Spring: Stainless steel

Socket

- Body and Center Contact: Copper alloy
- Insert: Brass
- Insulator: PTFE

SPECIFICATIONS

- MIL-DTL-38999
- SOSA Technical Standard

KEY BENEFITS

- High-Frequency Ready: Engineered for seamless integration with MIL-DTL-38999 connectors and DMC-M
- Series III connectors, our Size 12 SMPM supports signal transmission up to 65 GHz and is ideal for expanding high speed RF systems.
- Impedance matching (50 Ohm) enables support for up to 65 GHz
- Addresses emerging need for high frequency, high density RF outside the box
- Aligned with the SOSA™ standard helps ensure broad acceptance in many military markets
- Designed for standard MIL-DTL-38999 housings and inserts

LEARN MORE

- Landing Page – 2389332-1
- Landing Page – 2389333-1
- Brochure

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