

# **Rack and Panel Connectors Subminiature Rectangular**





SMP20

SMS20

## **ELECTRICAL SPECIFICATIONS**

Current Rating: 7.5 A **Breakdown Voltage:** At sea level: 2000 V<sub>BMS</sub> At 70 000 feet [21 336 meters]: 500 VBMS

### PHYSICAL SPECIFICATIONS

Number of Contacts: 5, 7, 11, 14, 20, 26, 34, 42, 50, 75 Contact Spacing: 0.120" [3.05 mm] Contact Gauge: #20 AWG Minimum Creepage Path Between Contacts: 0.080" [2.03 mm] Minimum Air Space Between Contacts: 0.050" [1.27 mm]

### **FEATURES**

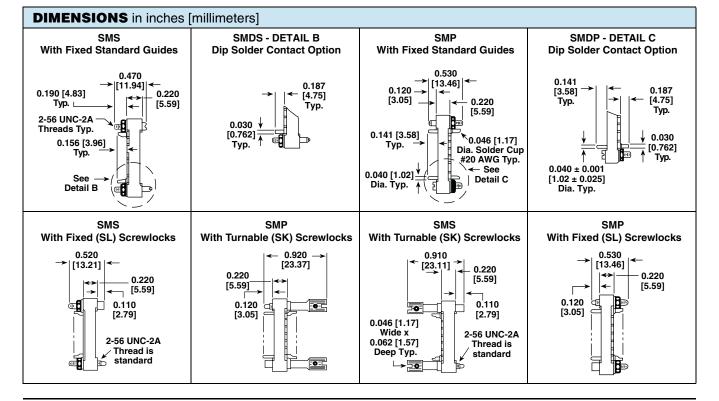
- Lightweight
- Polarized by guides or screwlocks
- Screwlocks lock connectors together to withstand vibration and accidental disconnect
- Overall height kept to a minimum
- Floating contacts aid in alignment and in withstanding ٠ vibration
- · Contacts, precision machined and individually gauged, provide high reliability
- Insertion and withdrawal forces kept low without increasing contact resistance
- · Contact plating provides protection against corrosion, assures low contact resistance and ease of soldering

#### **APPLICATIONS**

For use wherever space is at a premium and a high quality connector is reauired in avionics. automation. instrumentation, communications. controls. missiles. computers and guidance systems.

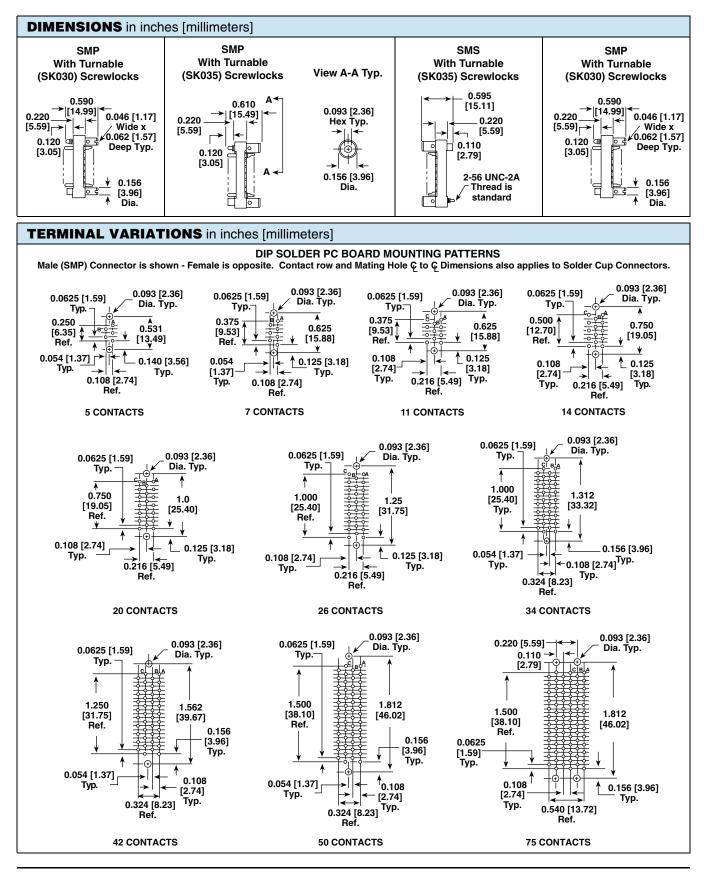
## MATERIAL SPECIFICATIONS

Contact Pin: Brass, gold plated Contact Socket: Phosphor bronze, gold plated (Beryllium copper available on request) Guides: Stainless steel, passivated Screwlocks: Stainless steel, passivated Standard Body: Glass-filled diallyl phthalate per MIL-M-14, Model GDI-30F, green



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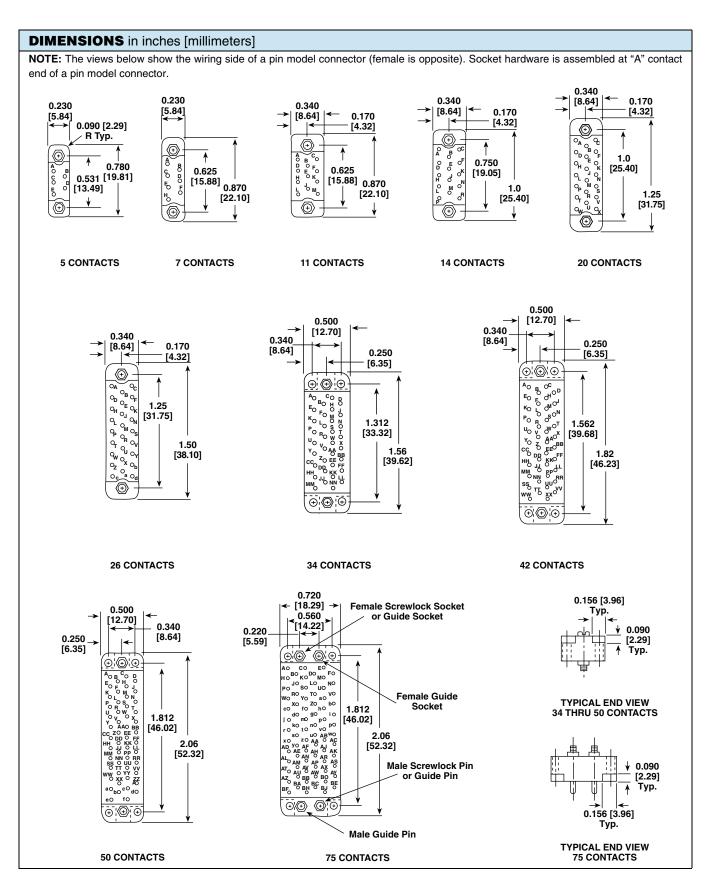




For technical questions contact: connectors@vishay.com

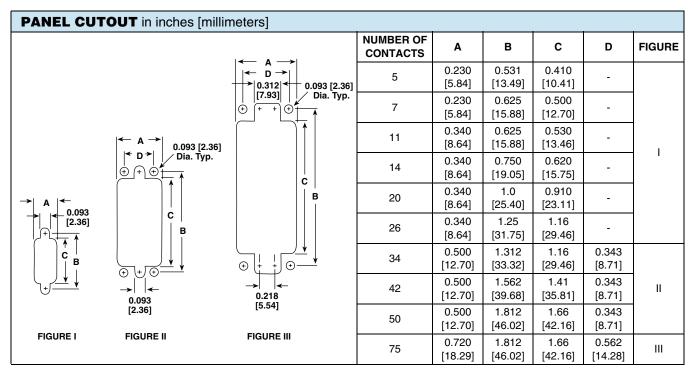


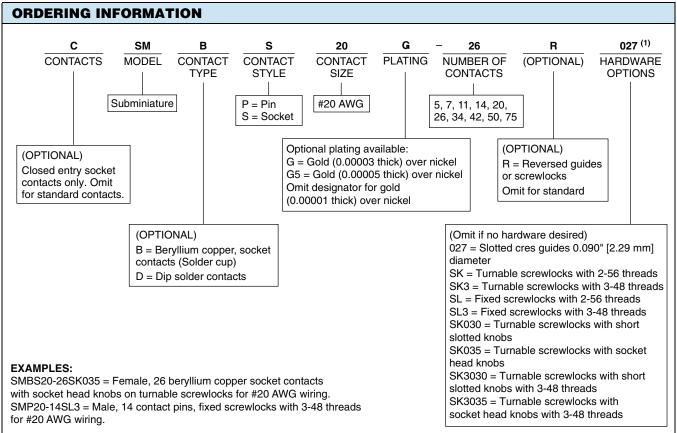
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#### Note

<sup>(1)</sup> To order complete connector with hardware supplied unassembled, add suffix "UA" on end of hardware designation.



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