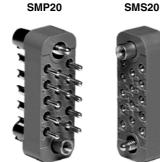
## **SM20**

Vishay Dale



# **Rack and Panel Connectors**

Subminiature Rectangular



#### ELECTRICAL SPECIFICATIONS Current Rating: 7.5 amps. Breakdown Voltage: At sea level: 2000 V RMS. At 70,000 feet [21,336 meters]: 500 V RMS.

## **PHYSICAL SPECIFICATIONS**

Number of Contacts: 5, 7, 11, 14, 20, 26, 34, 42, 50, 75. Contact Spacing: .120" [3.05mm]. Contact Gauge: #20 AWG. Minimum Creepage Path Between Contacts: .080" [2.03mm]. Minimum Air Space Between Contacts: .050" [1.27mm].

## FEATURES

### • Lightweight.

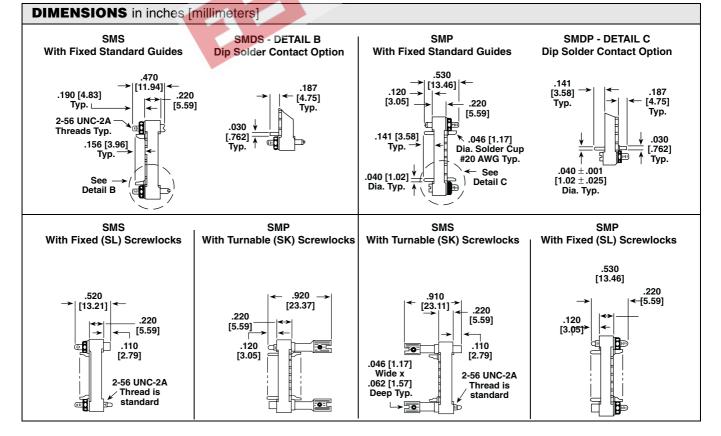
- · Polarized by guides or screwlocks.
- Screwlocks lock connectors together to withstand vibration and accidental disconnect.
- Overall height kept to a minimum.
- Floating contacts aid in alignment and in withstanding vibration.
- Contacts, precision machined and individually gauged, provide high reliability.
- 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 required in avionics, automation, communications, controls, instrumentation, missiles, computers and guidance systems.

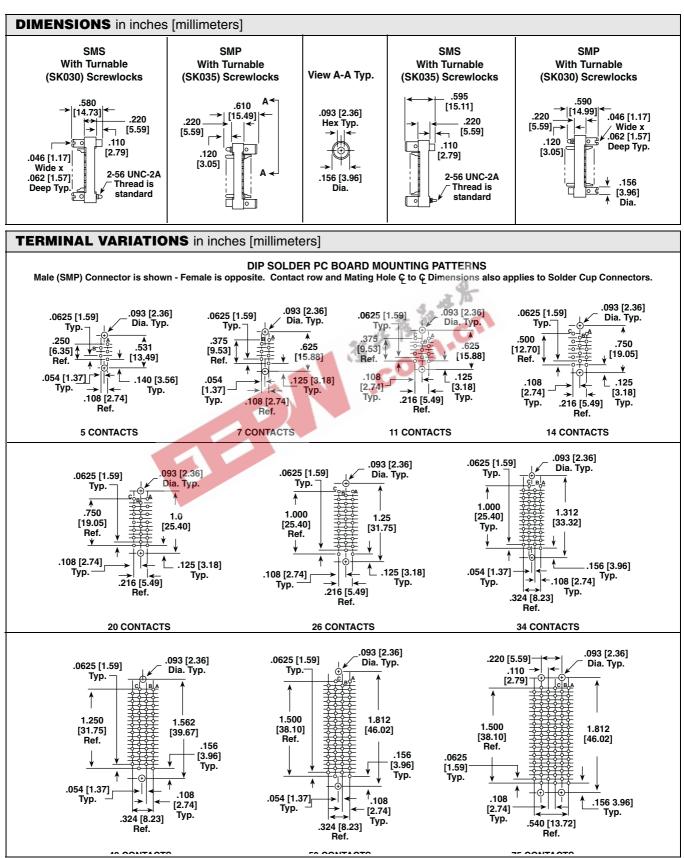
## MATERIAL SPECIFICATIONS

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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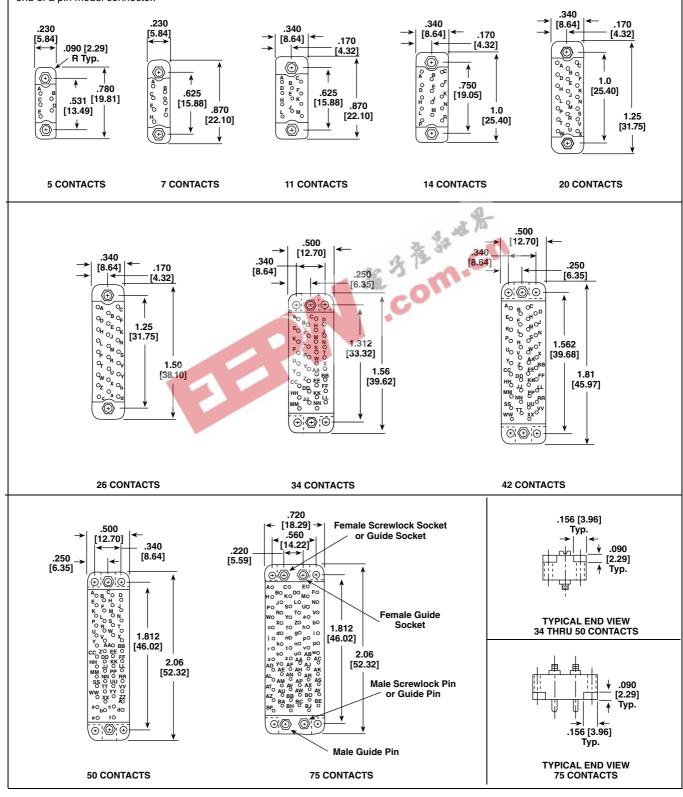


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### **DIMENSIONS** in inches [millimeters]

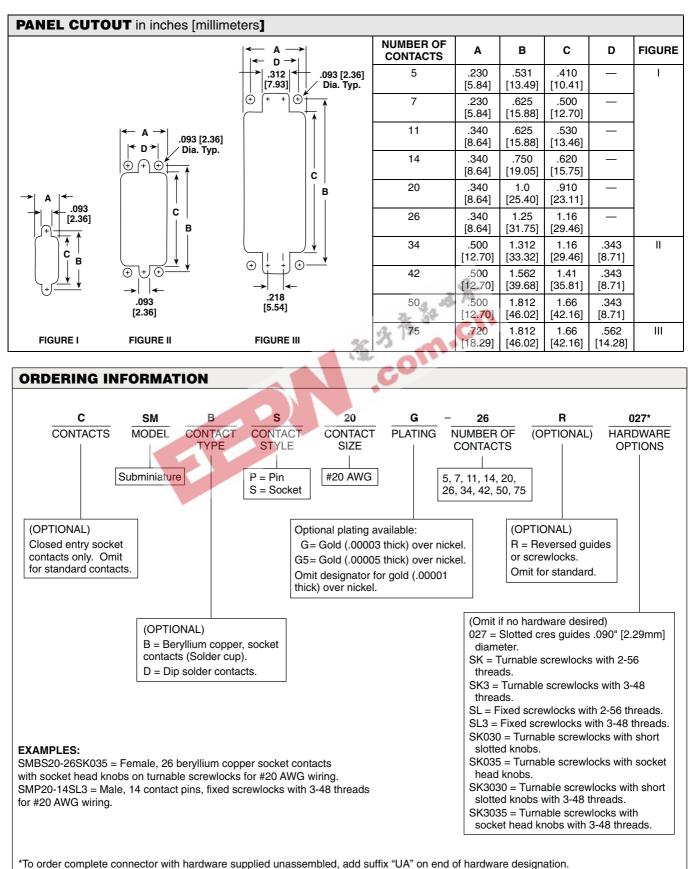
**NOTE:** The views below show the wiring side of a pin model connector (female is opposite). Socket hardware is assembled at "A" contact end of a pin model connector.





# SM20

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