



Rack and Panel Connectors Subminiature Rectangular





ELECTRICAL SPECIFICATIONS

Current Rating: 7.5 A 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: 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 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

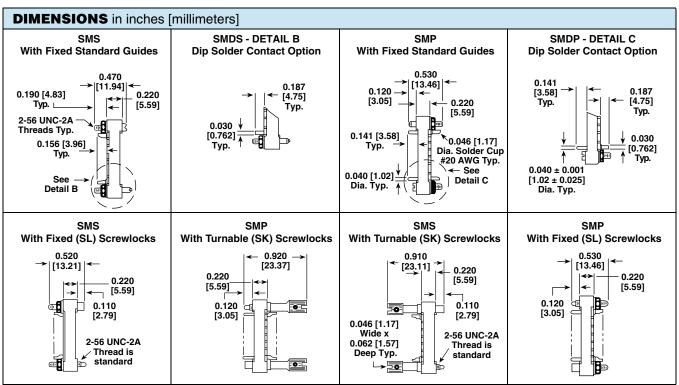
Contact Pin: Brass, gold plated

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,

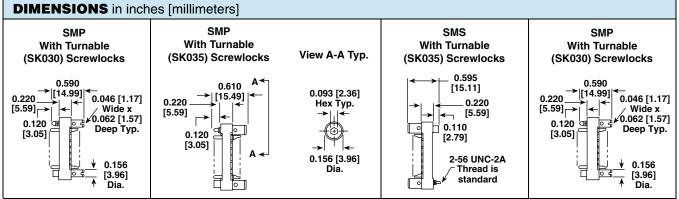
Model GDI-30F, green

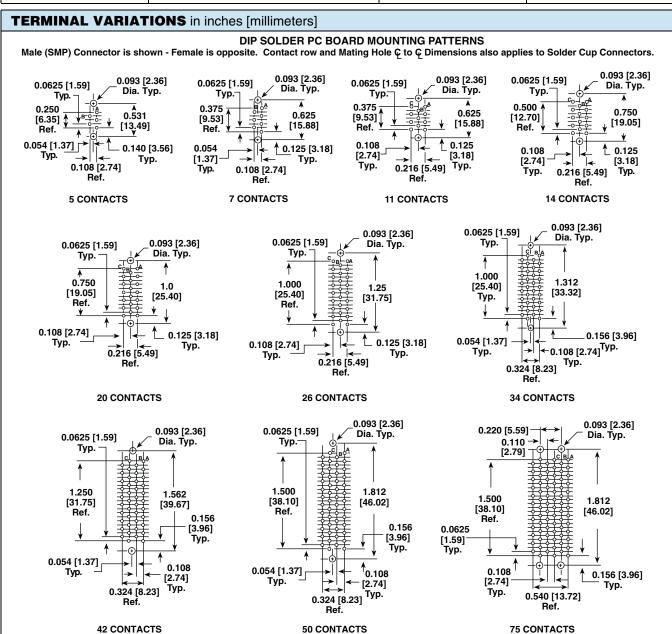


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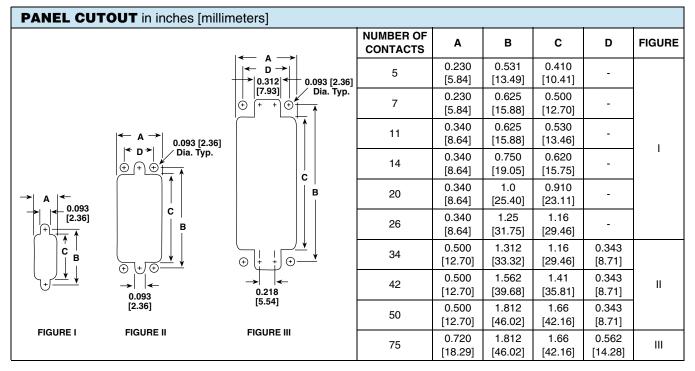


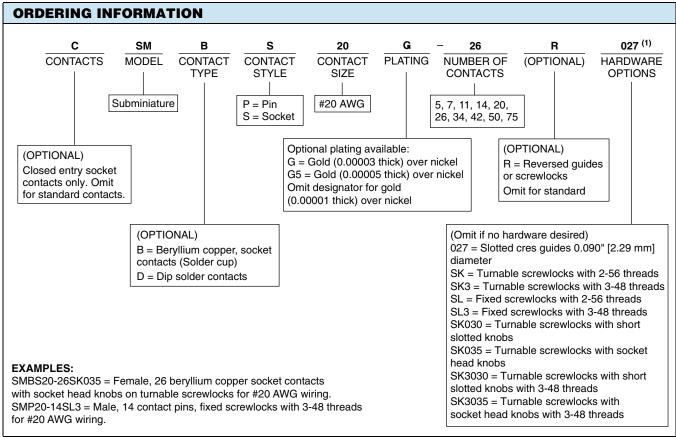
DIMENSIONS in inches [millimeters] NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware is assembled at "A" contact end of a pin model connector. 0.230 0.340 [8.64] 0.170 0.230 0.340 [8.64] [5.84] 0.170 [4.32][5.84] [8.64] 0.170 [4.32]0.090 [2.29] [4.32]**(** O_A O_B O_F R Typ. \odot **⊕** oc OD 0E 0 P В O EO JO MO OH 0, 0.750 70 FO TO 0.780 BO DO 1 [25.40] **4**0 00 ш0 0.625 0.625 OL ON OS [19.05] OF OF OF е О К О 0.531 [19.81] [15.88] 0.870 [15.88] _{0.870} 0 P O D O O O % ^M° [13.49] F P [22.10] [22.10] [25.40] [31.75] $\widehat{\oplus}$ Ѿ **5 CONTACTS** 7 CONTACTS 11 CONTACTS 14 CONTACTS 20 CONTACTS 0.500 0.500 [12.70] [12.70] 0.340 0.340 0.340 [8.64] 0.250 [8.64] 0.170 [8.64] 0.250 [6.35] [4.32] [6.35] $\bigoplus \bigoplus \bigoplus$ (E) \oplus \oplus \oplus ႝၹ ^do□ OB OF OD OE OK ا م و الم 1.25 κъς os^{oN} [31.75] Po 10 YO CO OL OM OS 1.312 Ø X 1.562 GP OR OV [33.32] [39.68] ام م م 1.50 HO NO SS Oz Oa Od 1.56 [38.10] [39.62] [46.23] gp-du ss T **①** \oplus \oplus \oplus \oplus **26 CONTACTS** 34 CONTACTS **42 CONTACTS** 0.720 0.156 [3.96] [18.29] **Female Screwlock Socket** 0.500 0.560 or Guide Socket [12.70] |[▼][14.22] |✓| 0.340 0.090 0.220 [8.64] 0.250 [5.59] [2.29] [6.35]Тур. ⊕'ੁ⊕ <u>⊕</u>¦@¦<u>⊕</u> co EC BO KO MO NO JO SO UO NO RO TO VO **Female Guide** TYPICAL END VIEW Socket 1.812 34 THRU 50 CONTACTS 1.812 [46.02] [46.02] 2.06 [52.32] [52.32] Male Screwlock Pin ♦ 0.090 or Guide Pin [2.29] မွ မွ aO_{bO}cO_{dO} Typ. **⊕**.€ $\oplus | \oplus | \oplus$ 0.156 [3.96] Typ. Male Guide Pin **TYPICAL END VIEW** 75 CONTACTS **50 CONTACTS 75 CONTACTS**

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Note

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

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