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

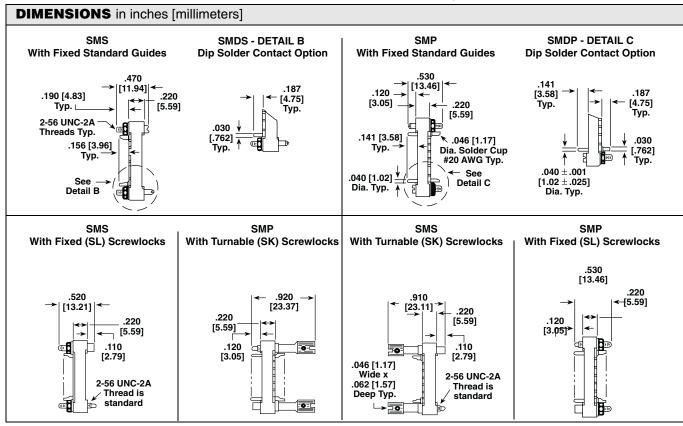
Contact Pin: Brass, gold plated.

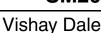
Contact Socket: Phosphor bronze, gold plated.

(Beryllium copper available on request.) **Guides:** Stainless steel, passivated. **Screwlocks:** Stainless steel, passivated.

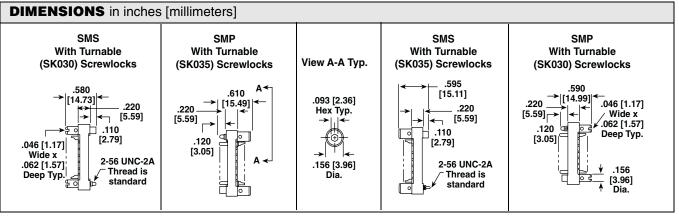
Standard Body: Glass-filled diallyl phthalate per MIL-M-14,

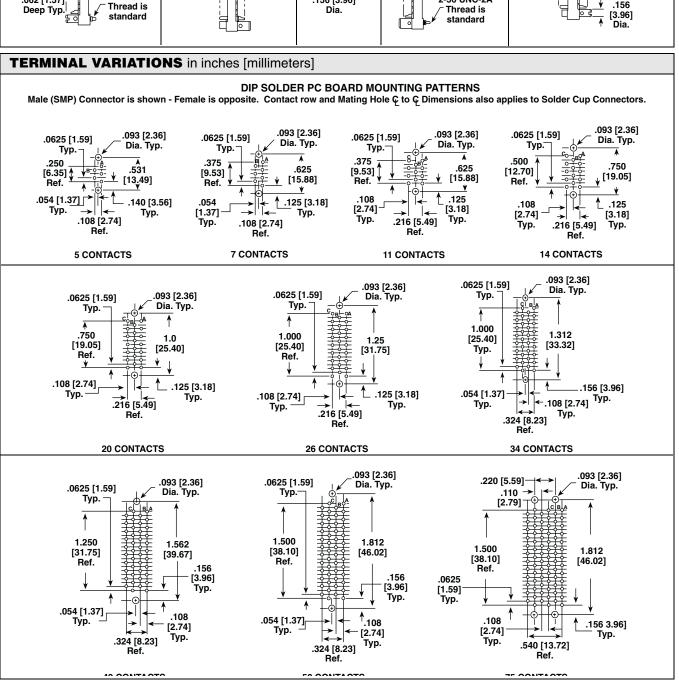
Model GDI-30F, green.











Vishay Dale

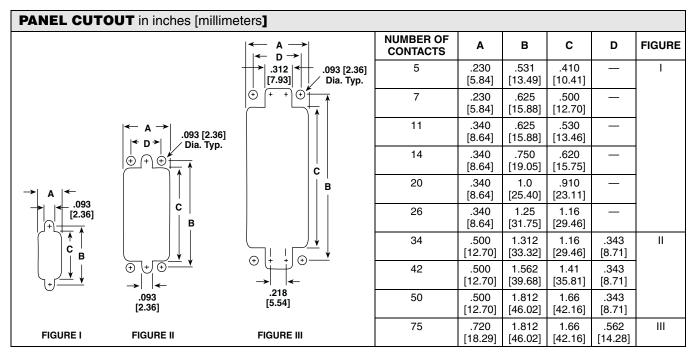


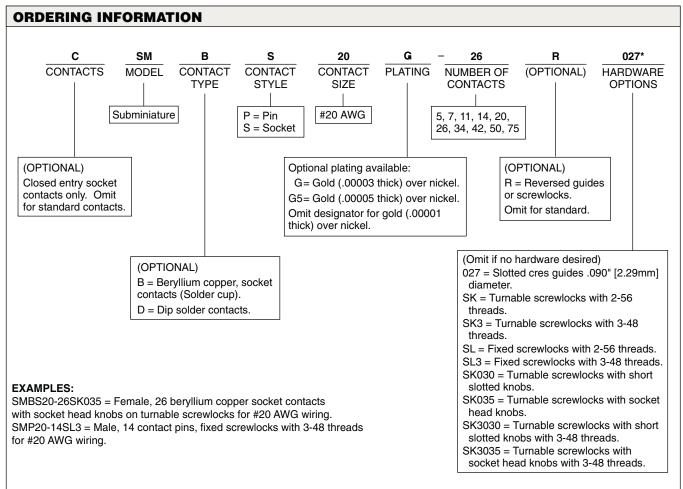
DIMENSIONS in inches [millimeters] NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware is assembled at "A" contact end of a pin model connector. .230 .340 [8.64] .170 .230 .340 [5.84] [8.64] [4.32] .170 [5.84] [8.64] .170 [4.32] .090 [2.29] **(** [4.32] R Typ. ÷ \oplus O_A O_B OD 0E (<u>(</u> В A O D O o^H o^J o^V 1.0 BOFOKO oF B .750 780 BO DO FO ě 40 00 EO م هُ [25.40] 625 .625 В 0 ઠ [19.05] .625 [15.88] .870 0 10 HO .531 [19.81] H [15.88] Б .870 ۰_۳ [13.49] M 1.0 P [22.10] 1.25 oR [22.10] [25.40] $\widehat{\oplus}$ [31.75] \odot (E) **5 CONTACTS** 7 CONTACTS 11 CONTACTS 14 CONTACTS **20 CONTACTS** .500 [12.70] .500 [12.70] .340 .340 .340 [8.64] .250 170 [8.64] [8.64] 250 [6.35] [4.32] [6.35] $\bigoplus \bigoplus \bigoplus$ (E) | C T A B C C C C T A B C A B <u>⊕</u> '⊕ '⊕ ૺ о_{в о_гі} 00 0E 0K AO CO D EO EO D DO -0 NO TO XO BO FO LO B FO LO FO YO XO DO -0 E KO PO U YO CO H MMO 1 0H 0J 0N 1.25 OL OM OS [31.75] 1.312 1.562 [33.32] [39.68] 1.50 1.56 Oz Oz Oz [38.10] [39.62] [45.97] ww μ xxo \bigoplus \oplus \oplus \oplus ⊕¦⊕¦⊕ **26 CONTACTS 34 CONTACTS 42 CONTACTS** .720 .156 [3.96] [18.29] **Female Screwlock Socket** .500 Typ. .560 or Guide Socket [12.70] [14.22] .340 .090 .220 [8.64] .250 [2.29] [5.59] [6.35] Tvp. $\bigoplus | \bigoplus | \bigoplus$ **Female Guide TYPICAL END VIEW** to ho Socket 1.812 34 THRU 50 CONTACTS 1.812 [46.02] [46.02] 2.06 2.06 [52.32] [52.32] Male Screwlock Pin .090 or Guide Pin [2.29] Тур. ao_{bo}co_{do} fO <u>⊕</u>;⊕ \odot $\oplus | \oplus | \oplus$.156 [3.96] Typ. Male Guide Pin **TYPICAL END VIEW 50 CONTACTS 75 CONTACTS 75 CONTACTS**



Vishay Dale







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



Vishay

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Revision: 18-Jul-08

Document Number: 91000 www.vishay.com