hay.com Vishay Dale

Rack and Panel Connectors Military, MIL-C-28748/7/8 Qualified and Commercial Microminiature Rectangular



FEATURES

- Qualified to MIL-C-28748/7/8
- Solder cup contacts
- Dip solder contacts
- Fixed and turnable screwlocks
- · Optional closed entry socket contacts

APPLICATIONS

Especially suited for use in airborne, instrumentation and portable equipment applications or wherever the following requirements must be met: Minimum space and weight without sacrifice of performance, high quality materials, long service life, high vibration and shock resistance and positive locking.

ELECTRICAL SPECIFICATIONS

Current Rating: Model MM22 = 5 A

Model MM24 = 3 A

Breakdown Voltage: At sea level: 2000 V_{RMS}

At 70 000 feet: 500 V_{RMS}

MATERIAL SPECIFICATIONS

Contact Pin: Phosphor bronze

Contact Socket: Phosphor bronze (Beryllium copper

available on request)

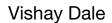
Contact Plating: Gold

Screwlocks: Stainless steel, passivated

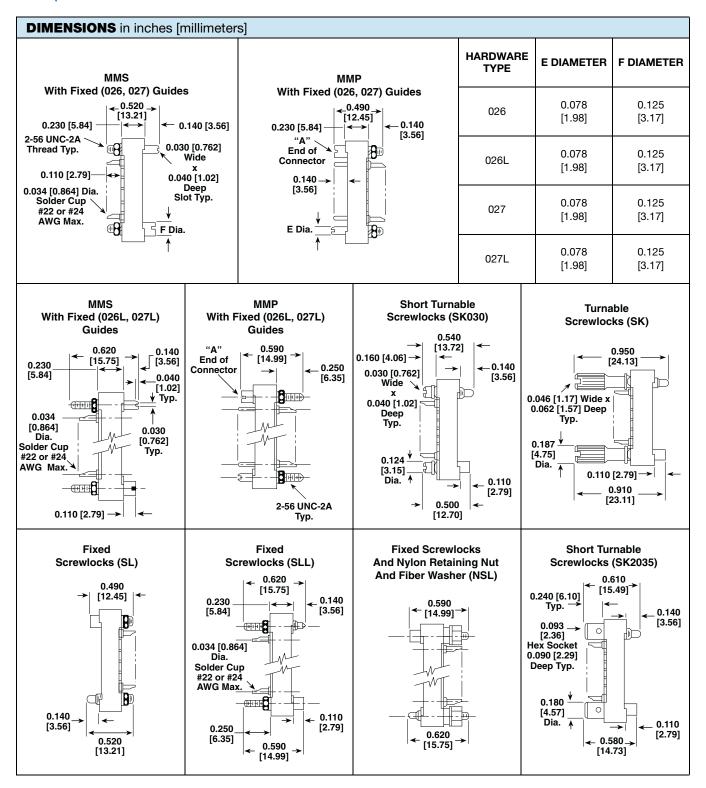
Guides: Brass, gold plated or stainless steel, passivated **Standard Body:** Glass-filled diallyl phthalate per MIL-M-14,

Model SDG-F, green

| DIMENSIONS in inches [millimeters] | | | | | | | | | |
|--|---|--|---------------------------------------|---|--|--|--|--|--|
| MMS With Solder Cup Contacts 0.110 [2.79] Typ. 0.034 [0.864] Dia. Solder Cup | MMP With Solder Cup Contacts B 0.140 [3.56] | MMDS With Dip Solder 0.030 [0.762] D | Contacts With Dip 0.140 [3.56] | MMDP With Dip Solder Contacts 0.140 3.56 | | | | | |
| CONTACT GAUGE | B DIAMETER | CONTACT GAUGE | C DIP TAIL LENGTH | D DIAMETER | | | | | |
| 22 AWG | 0.030 ± 0.001 [0.762 ± 0.025] | 22 AWG | 0.160 or 0.350 [4.06 or 8.89] nom. | 0.025 [0.635] | | | | | |
| 24 AWG | 0.025 ± 0.001 [0.635 ± 0.025] | 24 AWG | 0.160 or 0.350 [4.06 or 8.89] nom. | 0.025 [0.635] | | | | | |



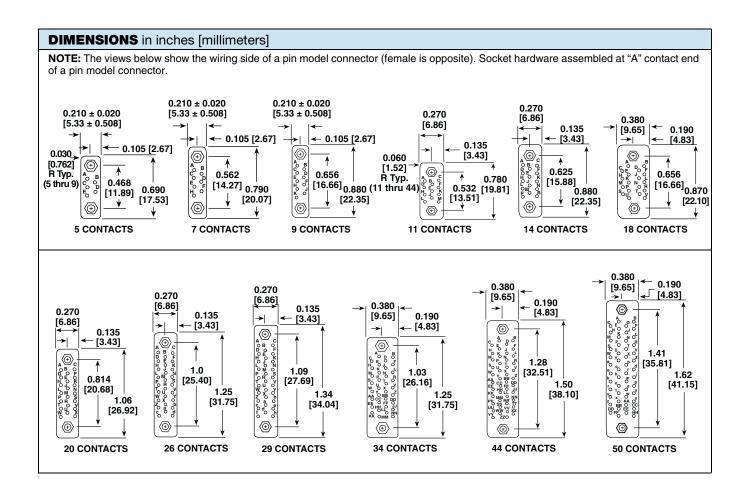


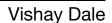




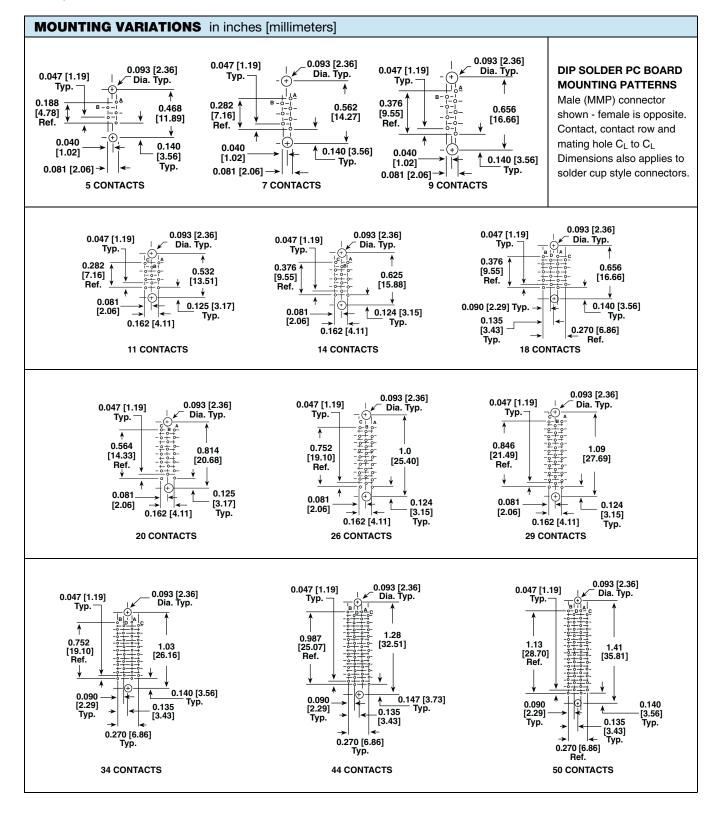
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| HARDWARE MATING CHART | | | | | | | |
|-----------------------|---------------------------|--|--|--|--|--|--|
| HARDWARE MODEL | MATES WITH HARDWARE MODEL | | | | | | |
| 026 | 026, 026L | NOTE: EITHER MMP OR MMS CONNECTORS MAY BE | | | | | |
| 027 | 027, 027L | ORDERED WITH ANY TYPE OF HARDWARE SHOWN. | | | | | |
| SK | SL, NSL or SLL | EXAMPLES: 1. MMP WITH 026 HARDWARE WOULD MATE WITH AN | | | | | |
| SK030 | SL, NSL or SLL | MMS WITH 026 HARDWARE. | | | | | |
| SK2 | SL2, NSL2 or SL2L | 2. MMS WITH SK HARDWARE WOULD MATE WITH AN MMP WITH SL OR NSL HARDWARE. | | | | | |
| SK2030 | SL2, NSL2 or SL2L | 3. MMS WITH SL2 HARDWARE WOULD MATE WITH AN MMP WITH SK2 OR SK2030 HARDWARE. | | | | | |
| SK2035 | SL2, NSL2 or SL2L | | | | | | |



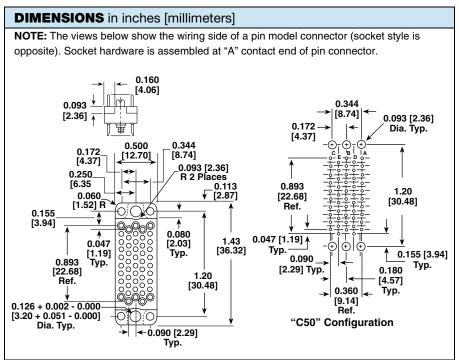


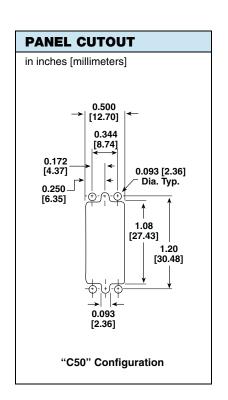






| PANEL CUTOUT in inches [millimeters] | | | | | | | | | | |
|---|--------------------|-----------------|------------------|------------------|--------------------|-----------------|------------------|------------------|--|--|
| | NUMBER OF CONTACTS | Α | В | С | NUMBER OF CONTACTS | Α | В | С | | |
| 0.050 [1.27] B C R Typ. → 0.093 [2.36] | 5 | 0.210 [5.33] | 0.468 [11.89] | 0.340 [8.64] | 20 | 0.270 [6.86] | 0.814 [20.68] | 0.690 [17.53] | | |
| | 7 | 0.210 [5.33] | 0.562 [14.27] | 0.440 [11.18] | 26 | 0.270 [6.86] | 1.0 [25.40] | 0.870 [22.10] | | |
| | 9 | 0.210 [5.33] | 0.656 [16.66] | 0.530 [13.46] | 29 | 0.270 [6.86] | 1.09 [27.69] | 0.970 [24.64] | | |
| | 11 | 0.270 [6.86] | 0.532 [13.51] | 0.410 [10.41] | 34 | 0.380 [9.65] | 1.03 [26.16] | 0.910 [23.11] | | |
| | 14 | 0.270 [6.86] | 0.625 [15.88] | 0.500 [12.70] | 44 | 0.380 [9.65] | 1.28 [32.51] | 1.16 [29.46] | | |
| | 18 | 0.380 [9.65] | 0.656 [16.66] | 0.530 [13.46] | 50 | 0.380 [9.65] | 1.41 [35.81] | 1.28 [32.51] | | |



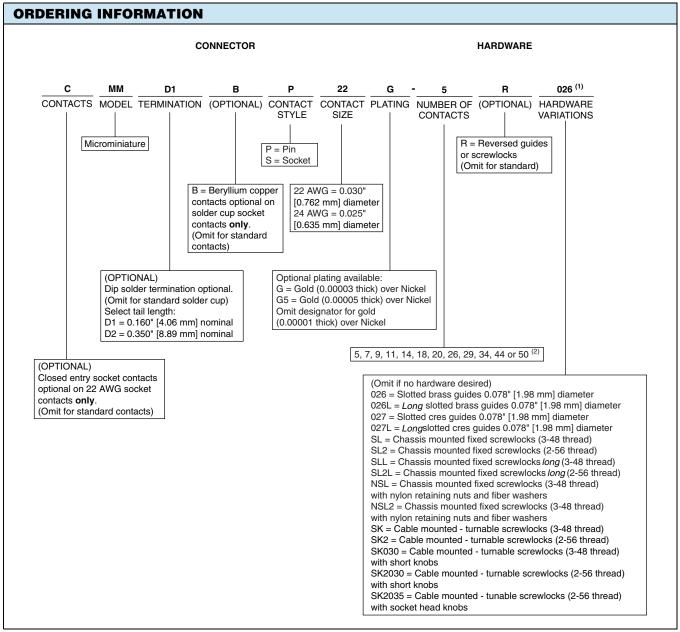


DIP SOLDER PC BOARD MOUNTING PATTERNS

Male (MMP) connector shown - female is opposite. Contact, contact row and mating hole C_L to C_L dimensions also applies to solder cup style connectors.



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Notes

- (1) To order complete connector with hardware supplied unassembled, add suffix "UA" on end of hardware designation.
- (2) 50 contact connectors are available in either the standard 4-row contact arrangement per MIL-C-28748 or a special 5-row contact arrangement. To order the special 5-row contact arrangement, use the designator "C50" for the number of contacts.



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