### Vishay Dale



### **Rack and Panel Connectors**

Military, MIL-C-28748/7/8 Qualified and Commercial Microminiature Rectangular with Optional Hoods







### **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 amps

Model MM24 = 3 amps

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

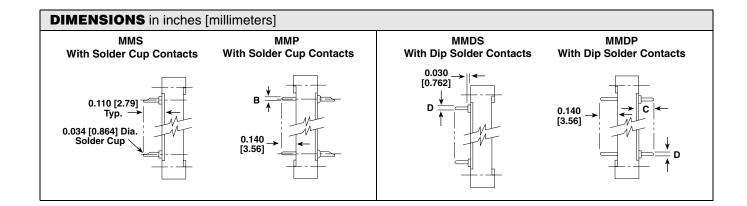
available on request)

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



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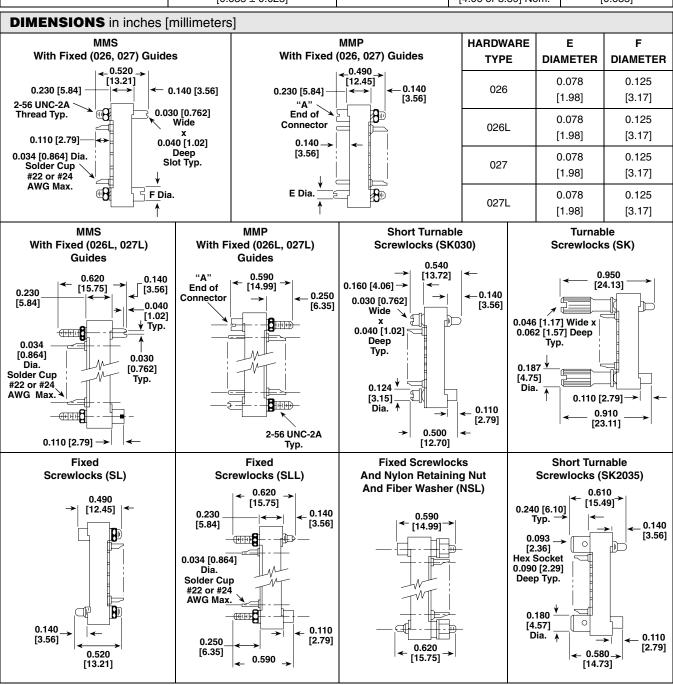
For technical questions, contact: connectors@vishay.com

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DIMENSIONS in inches [millimeters]								
CONTACT GAUGE	B DIAMETER	CONTACT GAUGE	C DIP TAIL LENGTH	D DIAMETER				
22 AWG	$0.030 \pm 0.001$ [0.762 ± 0.025]	22 AWG	0.160 or 0.350 [4.06 or 8.89] Nom.	0.025 [0.635]				
24 AWG	$0.025 \pm 0.001$ [0.635 ± 0.025]	24 AWG	0.160 or 0.350 [4.06 or 8.89] Nom.	0.025 [0.635]				



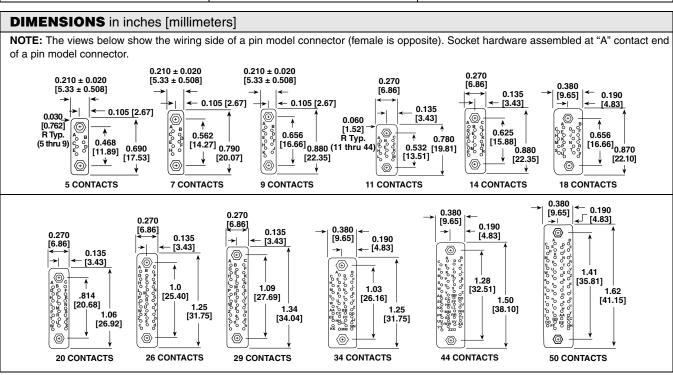
## MM22 and MM24

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



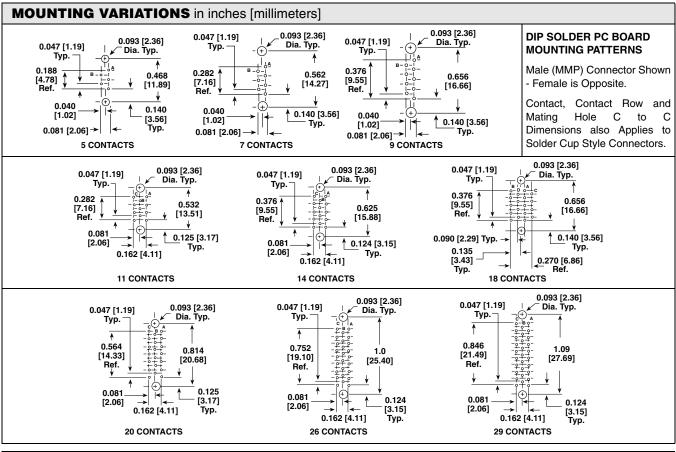
HARDWARE MATING CHART							
HARDWARE MODEL	MATES WITH HARDWARE MODEL	NOTE:					
026	026, 026L	Either MMP or MMS Connectors may be ordered with any type of hardware shown.					
027	027, 027L	EXAMPLES:					
SK	SL, NSL or SLL	1. MMP with 026 Hardware would mate with an					
SK030	SL, NSL or SLL	MMS with 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					
SK2035	SL2, NSL2 or SL2L	MMP with SK2 or SK2030 Hardware.					

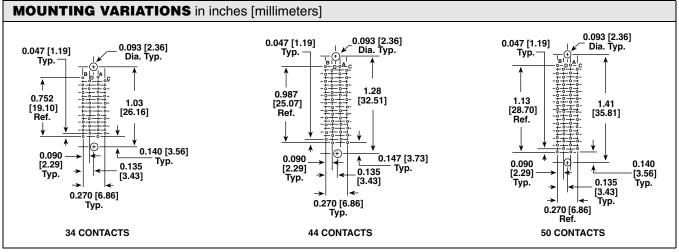


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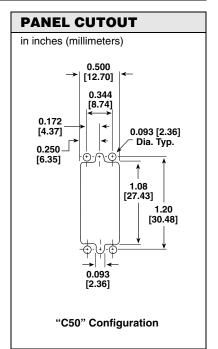
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PANEL CUTOUT in inches [millimeters]										
	NUMBER OF CONTACTS	A	В	С	NUMBER OF CONTACTS	A	В	С		
0.050 [1.27] B C R Typ.	5	0.210 [5.33]	0.468 [11.89]	0.340 [8.64]	20	0.270 [6.86]	0.814 [20.68]	0.690 [17.53]		
	7	0.210 [5.33]	0.562 [14.27]	0.440 [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]		
0.093 [2.36]	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]		

#### **DIMENSIONS** in inches (millimeters) NOTE: The views below show the wiring side of a pin model connector (Socket style is opposite). Socket hardware is assembled at "A" contact end of pin connector. 0.344 [8.74] 0.093 [2.36] Dia. Typ. 0.344 [8.74] 0.093 [2.36] 0.893 [22.68] Ref. 1.20 [30.48] 0.155 [3.94] 0.080 [2.03] Typ. 0.047 [1.19] 1.43 [36.32] Typ. \_\_\_\_ 0.155 [3.94] 0.180 1.20 [30.48] [4.57] Typ. 0.360 0.126 + 0.00<del>2 - 0.000</del> [3.20 + 0.051 - 0.000] Dia. Typ. "C50" Configuration 0.090 [2.29] Typ.

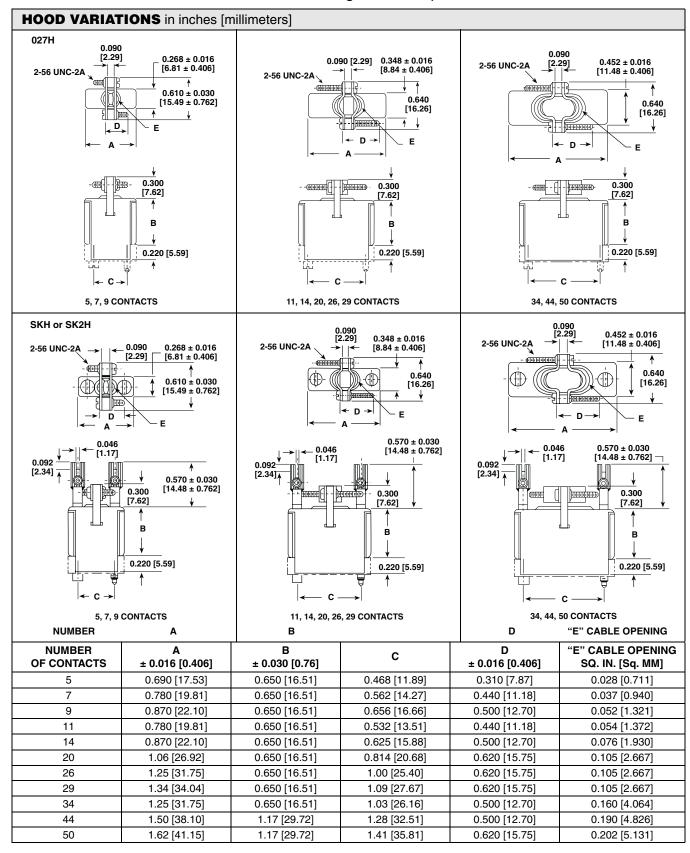
**DIP SOLDER PC BOARD MOUNTING PATTERNS:** Male (MMP) Connector Shown - Female is Opposite. Contact, Contact Row and Mating Hole C to C Dimensions also Applies to Solder Cup Style Connectors.



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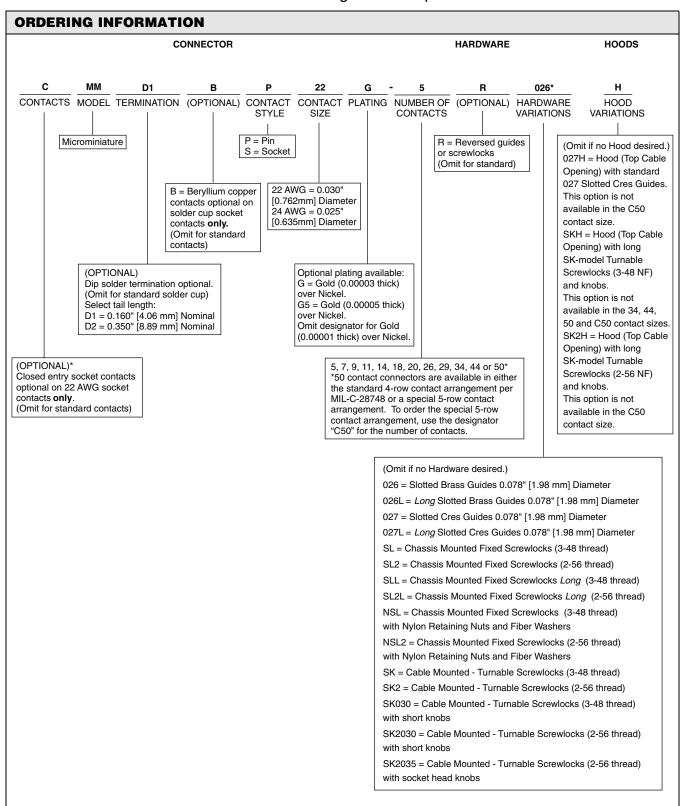


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\*To order complete connector with hardware supplied unassembled, add suffix "UA" on end of hardware designation.



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