### 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 A Model MM24 = 3 A Breakdown Voltage: At sea level: 2000  $V_{RMS}$ At 70 000 feet: 500  $V_{RMS}$ 

#### **MATERIAL SPECIFICATIONS**

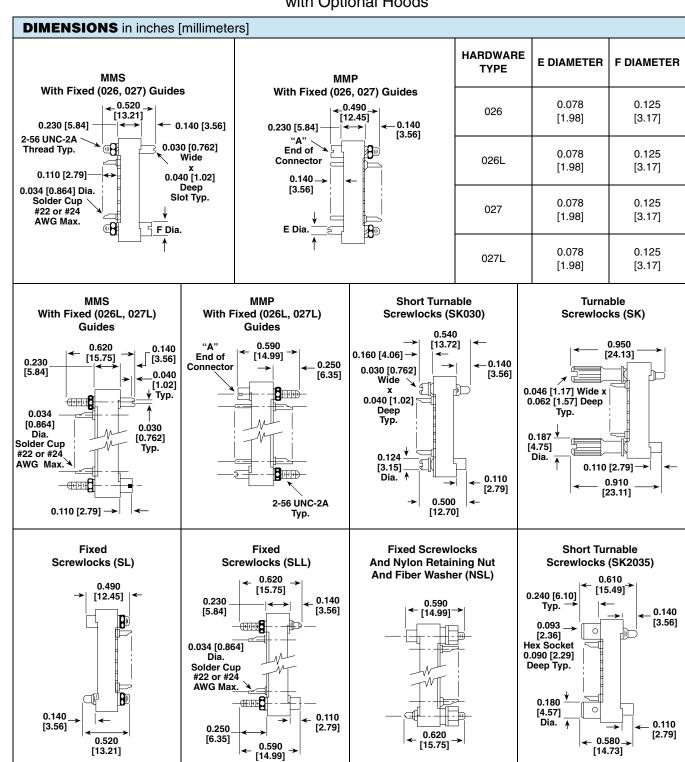
Contact Pin: Phosphor bronze Contact Socket: Phosphor bronze (Beryllium copper available on request) Contact Plating: Gold Screwlocks: Stainless steel, passivated Guides: Brass, gold plated or stainless steel, passivated Standard Body: Glass-filled diallyl phthalate per MIL-M-14, Model SDG-F, green

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 1 0.140 [3.56]	MMDS With Dip Solder 0.030 [0.762]	•	MMDP With Dip Solder Contacts $0.140 \rightarrow C \leftarrow C \leftarrow C \leftarrow D \leftarrow D$					
CONTACT GAUGE	<b>B DIAMETER</b>	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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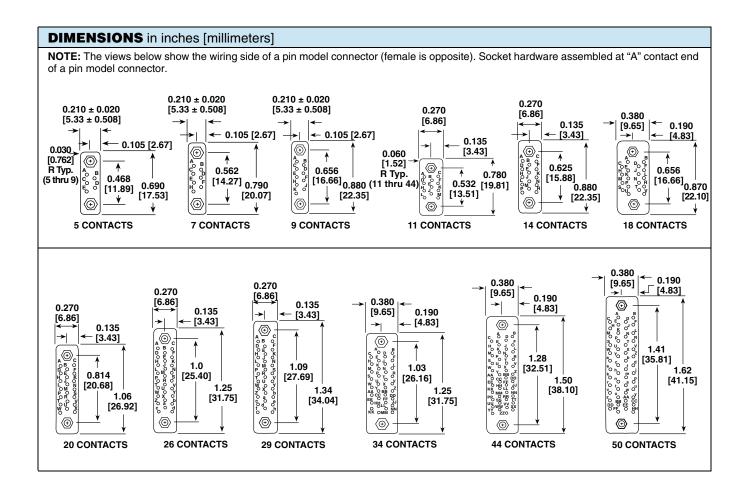




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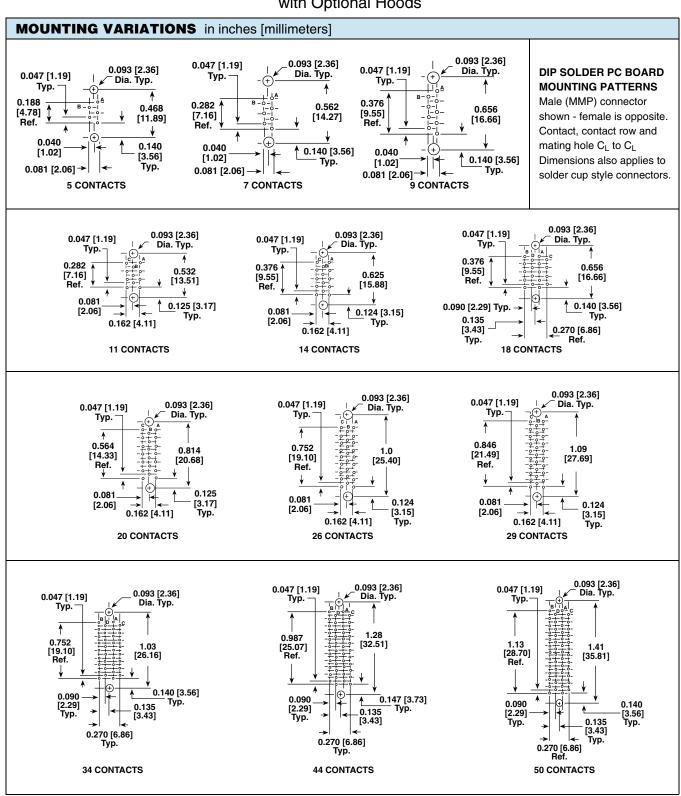
HARDWARE MATING CHART						
HARDWARE MODEL	MATES WITH HARDWARE MODEL					
026	026, 026L	NOTE: Either MMP or MMS Connectors may be ordered				
027	027, 027L	with any type of hardware shown.EXAMPLES:				
SK	SL, NSL or SLL	1. MMP WITH 026 HARDWARE WOULD MATE WITH AN MMS WITH 026 HARDWARE.				
SK030	SL, NSL or SLL	2. MMS WITH SK HARDWARE WOULD MATE WITH AN MMP WITH SL OR NSL HARDWARE.				
SK2	SL2, NSL2 or SL2L	3. MMS WITH SL2 HARDWARE WOULD MATE WITH				
SK2030	SL2, NSL2 or SL2L	AN MMP WITH SK2 OR SK2030 HARDWARE.				
SK2035	SL2, NSL2 or SL2L					





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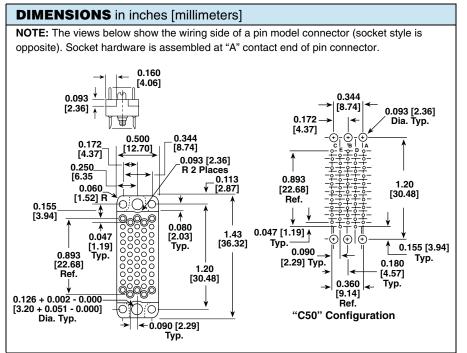


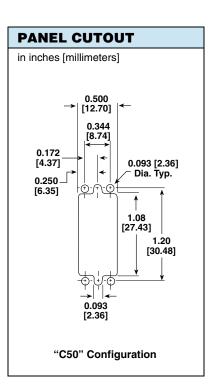


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PANEL CUTOUT in inches [millimeters]										
	NUMBER OF CONTACTS	Α	В	С	NUMBER OF CONTACTS	A	В	с		
$A \rightarrow$	5	0.210 [5.33]	0.468 [11.89]	0.340 [8.64]	20	0.270 [6.86]	0.814 [20.68]	0.690 [17.53]		
	7	0.210 [5.33]	0.562 [14.27]	0.440 [11.18]	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]		
<u> </u>	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]		





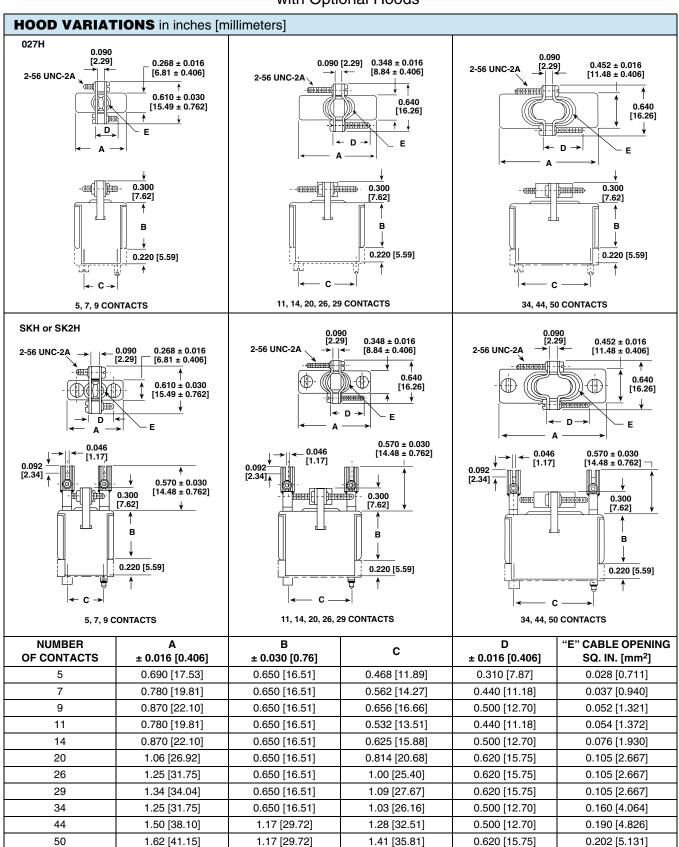
#### DIP SOLDER PC BOARD MOUNTING PATTERNS

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.



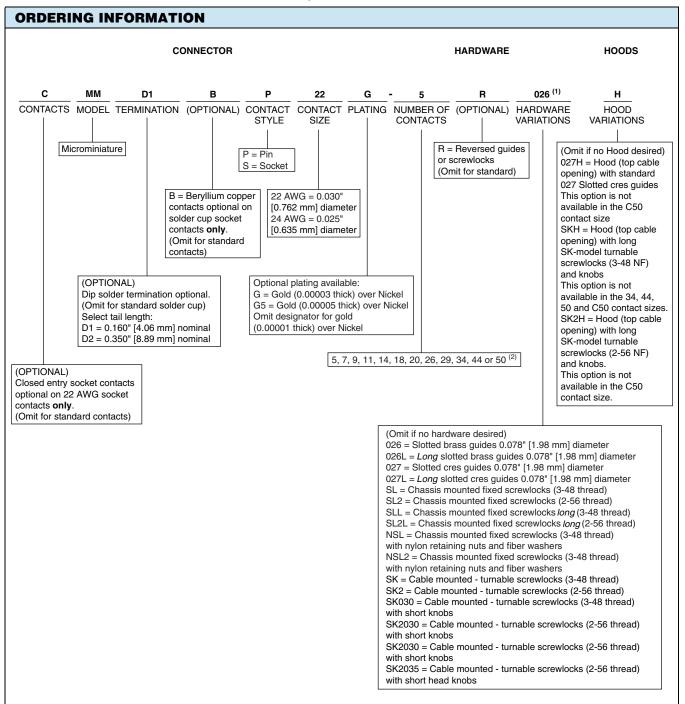
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#### Notes

- <sup>(1)</sup> To order complete connector with hardware supplied unassembled, add suffix "UA" on end of hardware designation.
- <sup>(2)</sup> 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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