## MM22, MM24



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# 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.

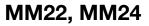
## **ELECTRICAL SPECIFICATIONS**

Current Rating: Model MM22 = 5 A Model MM24 = 3 A Breakdown Voltage: At sea level: 2000 V<sub>RMS</sub> At 70 000 feet: 500 V<sub>RMS</sub>

## MATERIAL SPECIFICATIONS

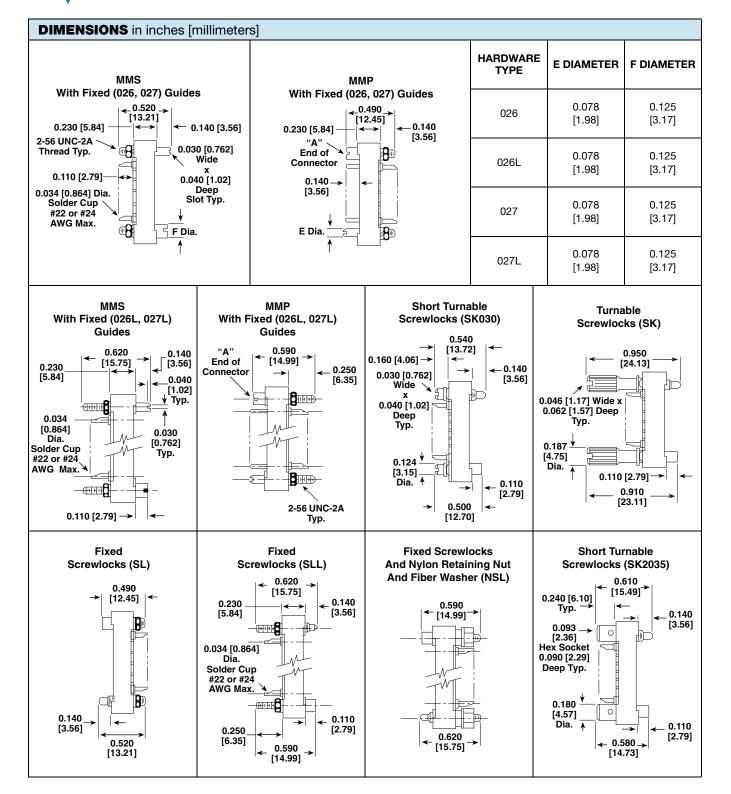
Contact Pin: Phosphor bronze Contact Socket: Phosphor bronze (Beryllium copper available on request) Contact Plating: Gold Screwlocks: Stainless steel, passivated Guides: Brass, gold plated or stainless steel, passivated Standard Body: Glass-filled diallyl phthalate per MIL-M-14, Model SDG-F, green

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



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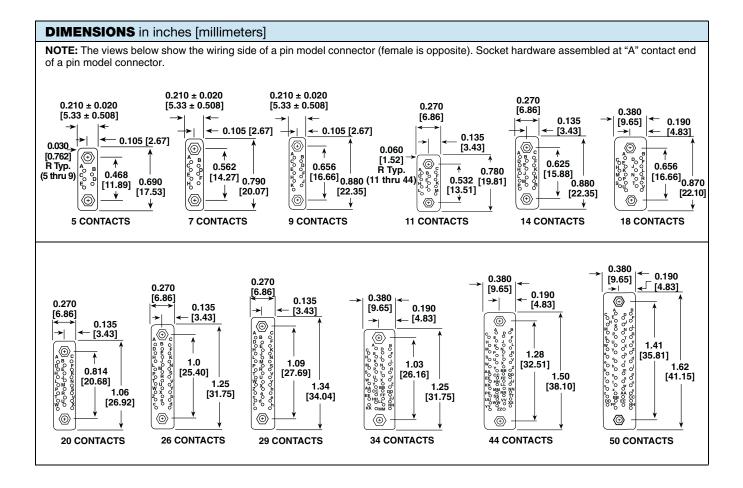
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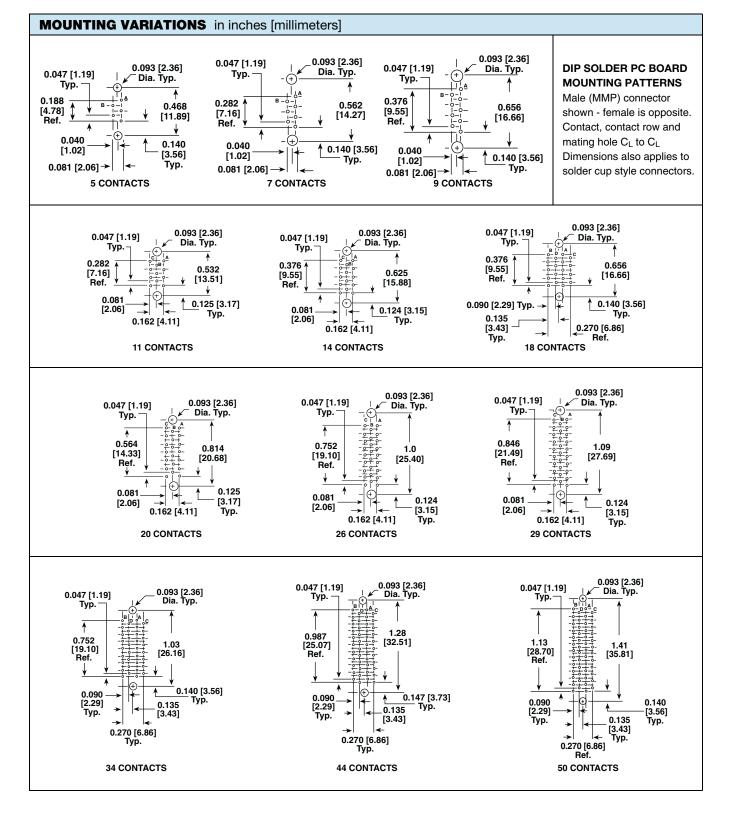
HARDWARE MATING CHART							
HARDWARE MODEL	MATES WITH HARDWARE MODEL						
026	026, 026L	NOTE: EITHER MMP OR MMS CONNECTORS MAY BE					
027	027, 027L	ORDERED WITH ANY TYPE OF HARDWARE SHOWN.					
SK	SL, NSL or SLL	EXAMPLES: 1. MMP WITH 026 HARDWARE WOULD MATE WITH AN					
SK030	SL, NSL or SLL	MMS WITH 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						





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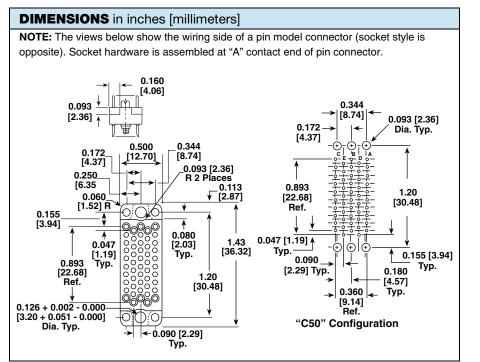
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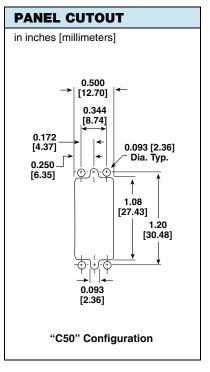


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PANEL CUTOUT in inches [millimeters]										
	NUMBER OF CONTACTS	Α	в	С	NUMBER OF CONTACTS	Α	В	с		
$A \rightarrow$ $0.050$ $[1.27]$ $B C$ $R Typ.$ $\downarrow \downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$	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.

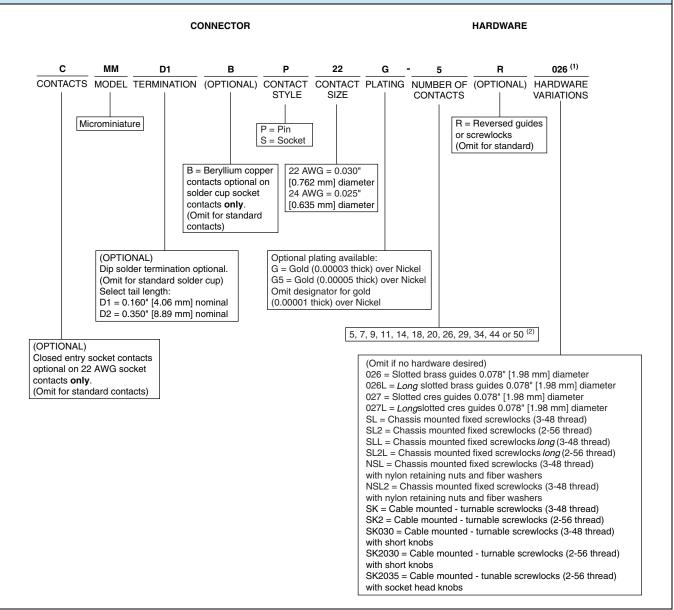
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### **ORDERING INFORMATION**



#### 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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 MME25-0201P1
 MMB21-0201PU
 MMD25-0291S1
 MMS22G5-20SL2
 MMS22G-20
 MMB21-0111PU

 0111PU
 MMA23-0091S1
 MMA23-0341R1
 MMA25-011
 MMD21-0261R1
 MMD23-0111G1
 MMD25-0071J1
 MMD25-0091H1

 0091H1
 MMD23-0201H1
 MMH23-0201H1
 MMH25-0091D1
 MMA25-0071K1
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 MMB23-0341J1

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 MMH25-0071D1
 MMB25-0091R1
 MMB25-0091D1
 MMD1P22-7SL2
 MMA23 

 0111R1
 MMP22G5-7SK
 MMS22G5-7SK2030
 MMA21-018
 MMA21-026
 MMD21-018
 MMD21-026

 MMP22G5-7SL2L
 T02
 MMD1P22G5-50SL
 MMK25-0091HU
 MMA25-007RP1
 MMA41-026
 MMB23-0291C1

 MMA25-0071N1
 MMB23-026111-101
 MMA23-007
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