



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



### FEATURES

- Qualified to MIL-C-28748/7/8
- Solder cup contacts
- Fixed and turnable screwlocks
- Closed entry socket contacts
- Group A, B testing per MIL-C-28748

### 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

**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

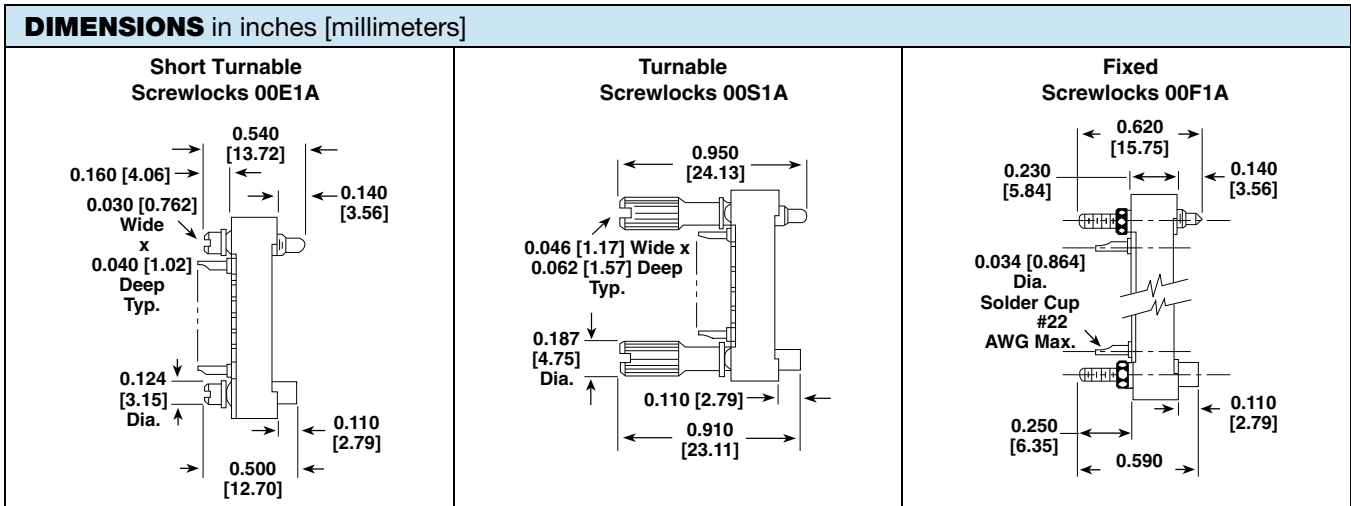
**Contact Plating:** Gold 50 micro-inches per ASTM B488

**Screwlocks:** Stainless steel, passivated

**Guides:** Stainless steel, passivated

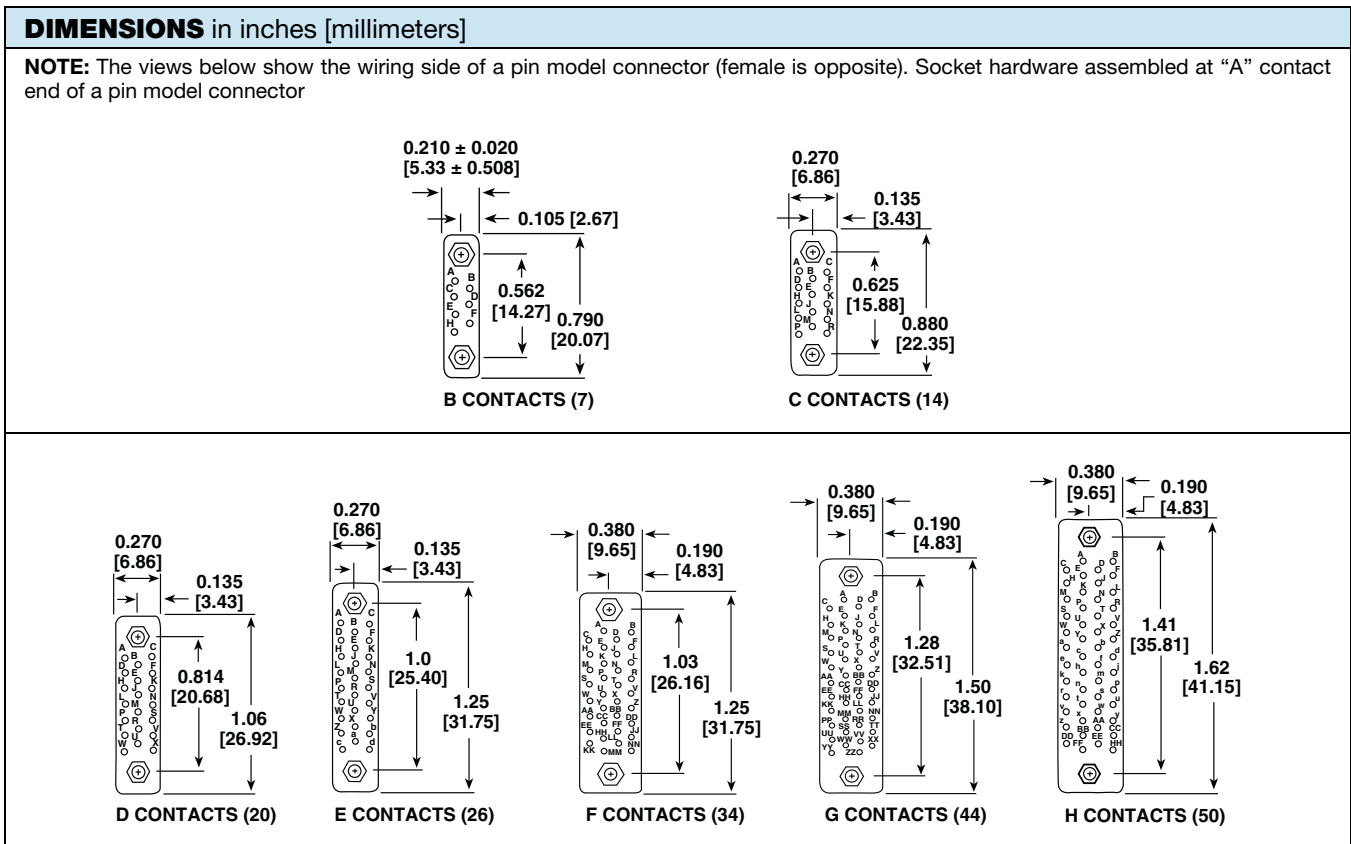
**Standard Body:** Glass-filled diallyl phthalate per ASTM D5948, Model SDG-F, green

DIMENSIONS in inches [millimeters]			
<p><b>/8</b> With Solder Cup Contacts</p> <p>0.110 [2.79] Typ.</p> <p>0.034 [0.864] Dia. Solder Cup</p> <p>Sockets</p>	<p><b>/7</b> With Solder Cup Contacts</p> <p>0.030 ± 0.0005</p> <p>0.140 [3.56]</p> <p>Pins</p>	<p><b>/8</b> With Fixed Guides 00G1A</p> <p>0.230 [5.84]</p> <p>0.620 [15.75]</p> <p>0.140 [3.56]</p> <p>0.040 [1.02] Typ.</p> <p>0.034 [0.864] Dia. Solder Cup #22 AWG Max.</p> <p>0.030 [0.762] Typ.</p> <p>0.110 [2.79]</p>	<p><b>/7</b> With Fixed Guides 00G1A</p> <p>"A" End of Connector</p> <p>0.590 [14.99]</p> <p>0.250 [6.35]</p> <p>0.125</p> <p>0.078</p> <p>2-56 UNC-2A Typ.</p>

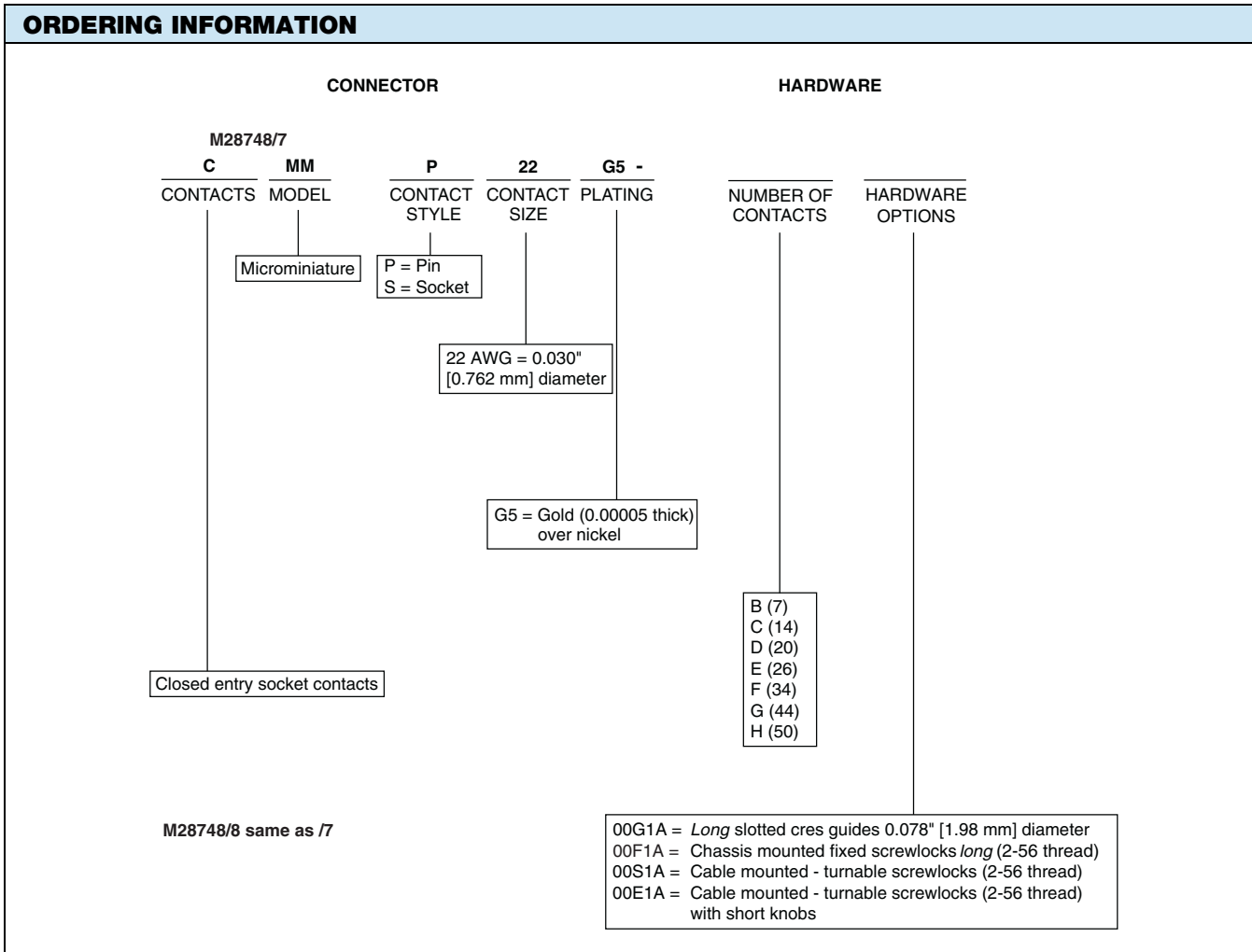


**HARDWARE MATING CHART**

HARDWARE MODEL	MATES WITH HARDWARE MODEL	NOTE:
00S1A	00F1A	Either /7 or /8 connectors may be ordered with any type of hardware shown <b>EXAMPLE:</b> /8 with 00F1A hardware would mate with an MMP with 00S1A or 00E1A hardware
00E1A	00F1A	



PANEL CUTOUT in inches [millimeters]								
	NUMBER OF CONTACTS	A	B	C	NUMBER OF CONTACTS	A	B	C
	B (7)	0.210 [5.33]	0.562 [14.27]	0.440 [11.18]	F (34)	0.380 [9.65]	1.03 [26.16]	0.910 [23.11]
	C (14)	0.270 [6.86]	0.625 [15.88]	0.500 [12.70]	G (44)	0.380 [9.65]	1.28 [32.51]	1.16 [29.46]
	D (20)	0.270 [6.86]	0.814 [20.68]	0.690 [17.53]	H (50)	0.380 [9.65]	1.41 [35.81]	1.28 [32.51]
	E (26)	0.270 [6.86]	1.0 [25.40]	0.870 [22.10]				





<b>MIL-C-28748 CROSS REFERENCE</b> for Vishay Dale Connectors			
<b>MIL MODEL #</b>	<b>VISHAY MODEL #</b>	<b>MIL MODEL #</b>	<b>VISHAY MODEL #</b>
M28748/7-B00E1A	MMP22G5-7SK2030	M28748/8-B00E1A	CMMS22G5-7SK2030
M28748/7-B00F1A	MMP22G5-7SL2L	M28748/8-B00F1A	CMMS22G5-7SL2L
M28748/7-B00G1A	MMP22G5-7027L	M28748/8-B00G1A	CMMS22G5-7027L
M28748/7-B00S1A	MMP22G5-7SK2	M28748/8-B00S1A	CMMS22G5-7SK2
M28748/7-B10G1A	MMP22G5-7027H	M28748/8-B10G1A	CMMS22G5-7027H
M28748/7-B10L1A	MMP22G5-7SK2H	M28748/8-B10L1A	CMMS22G5-7SK2H
M28748/7-C00E1A	MMP22G5-14SK2030	M28748/8-C00E1A	CMMS22G5-14SK2030
M28748/7-C00F1A	MMP22G5-14SL2L	M28748/8-C00F1A	CMMS22G5-14SL2L
M28748/7-C00G1A	MMP22G5-14027L	M28748/8-C00G1A	CMMS22G5-14027L
M28748/7-C00S1A	MMP22G5-14SK2	M28748/8-C00S1A	CMMS22G5-14SK2
M28748/7-C10G1A	MMP22G5-14027H	M28748/8-C10G1A	CMMS22G5-14027H
M28748/7-C10L1A	MMP22G5-14SK2H	M28748/8-C10L1A	CMMS22G5-14SK2H
M28748/7-D00E1A	MMP22G5-20SK2030	M28748/8-D00E1A	CMMS22G5-20SK2030
M28748/7-D00F1A	MMP22G5-20SL2L	M28748/8-D00F1A	CMMS22G5-20SL2L
M28748/7-D00G1A	MMP22G5-20027L	M28748/8-D00G1A	CMMS22G5-20027L
M28748/7-D00S1A	MMP22G5-20SK2	M28748/8-D00S1A	CMMS22G5-20SK2
M28748/7-D10G1A	MMP22G5-20027H	M28748/8-D10G1A	CMMS22G5-20027H
M28748/7-D10L1A	MMP22G5-20SK2H	M28748/8-D10L1A	CMMS22G5-20SK2H
M28748/7-E00E1A	MMP22G5-26SK2030	M28748/8-E00E1A	CMMS22G5-26SK2030
M28748/7-E00F1A	MMP22G5-26SL2L	M28748/8-E00F1A	CMMS22G5-26SL2L
M28748/7-E00G1A	MMP22G5-26027L	M28748/8-E00G1A	CMMS22G5-26027L
M28748/7-E00S1A	MMP22G5-26SK2	M28748/8-E00S1A	CMMS22G5-26SK2
M28748/7-E10G1A	MMP22G5-26027H	M28748/8-E10G1A	CMMS22G5-26027H
M28748/7-E10L1A	MMP22G5-26SK2H	M28748/8-E10L1A	CMMS22G5-26SK2H
M28748/7-F00E1A	MMP22G5-34SK2030	M28748/8-F00E1A	CMMS22G5-34SK2030
M28748/7-F00F1A	MMP22G5-34SL2L	M28748/8-F00F1A	CMMS22G5-34SL2L
M28748/7-F00G1A	MMP22G5-34027L	M28748/8-F00G1A	CMMS22G5-34027L
M28748/7-F00S1A	MMP22G5-34SK2	M28748/8-F00S1A	CMMS22G5-34SK2
M28748/7-F10G1A	MMP22G5-34027H	M28748/8-F10G1A	CMMS22G5-34027H
M28748/7-F10L1A	MMP22G5-34SK2H	M28748/8-F10L1A	CMMS22G5-34SK2H
M28748/7-G00E1A	MMP22G5-44SK2030	M28748/8-G00E1A	CMMS22G5-44SK2030
M28748/7-G00F1A	MMP22G5-44SL2L	M28748/8-G00F1A	CMMS22G5-44SL2L
M28748/7-G00G1A	MMP22G5-44027L	M28748/8-G00G1A	CMMS22G5-44027L
M28748/7-G00S1A	MMP22G5-44SK2	M28748/8-G00S1A	CMMS22G5-44SK2
M28748/7-G10G1A	MMP22G5-44027H	M28748/8-G10G1A	CMMS22G5-44027H
M28748/7-G10L1A	MMP22G5-44SK2H	M28748/8-G10L1A	CMMS22G5-44SK2H
M28748/7-H00E1A	MMP22G5-50SK2030	M28748/8-H00E1A	CMMS22G5-50SK2030
M28748/7-H00F1A	MMP22G5-50SL2L	M28748/8-H00F1A	CMMS22G5-50SL2L
M28748/7-H00G1A	MMP22G5-50027L	M28748/8-H00G1A	CMMS22G5-50027L
M28748/7-H00S1A	MMP22G5-50SK2	M28748/8-H00S1A	CMMS22G5-50SK2
M28748/7-H10G1A	MMP22G5-50027H	M28748/8-H10G1A	CMMS22G5-50027H
M28748/7-H10L1A	MMP22G5-50SK2H	M28748/8-H10L1A	CMMS22G5-50SK2H



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