



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_{RMS}

At 70 000 feet: 500 V_{RMS}

MATERIAL SPECIFICATIONS

Contact Pin: Phosphor bronze

Contact Socket: Phosphor bronze

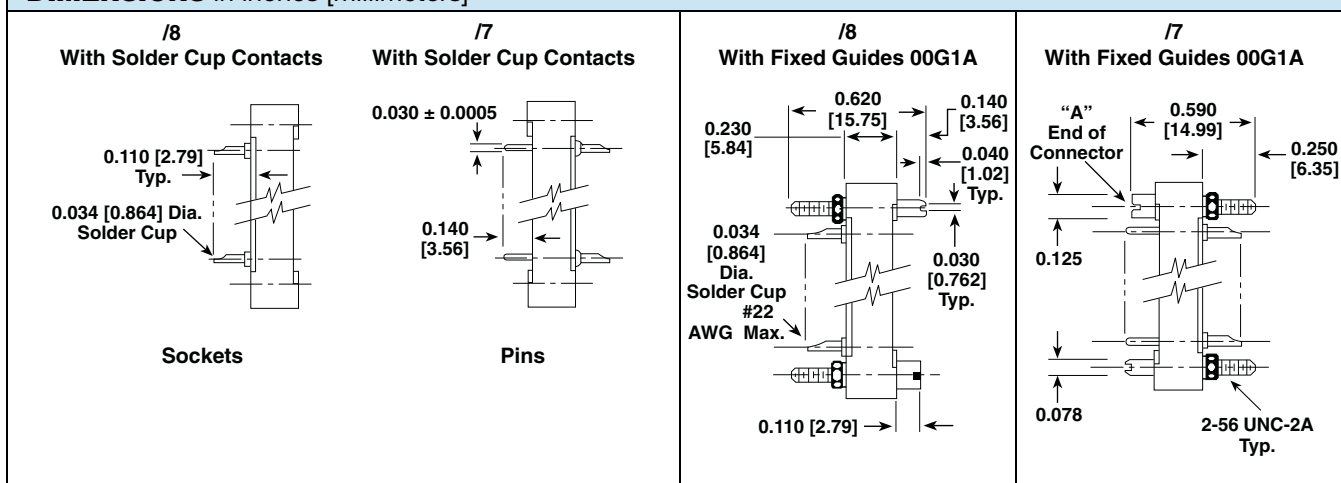
Contact Plating: Gold 50 micro-inches per ASTM B488

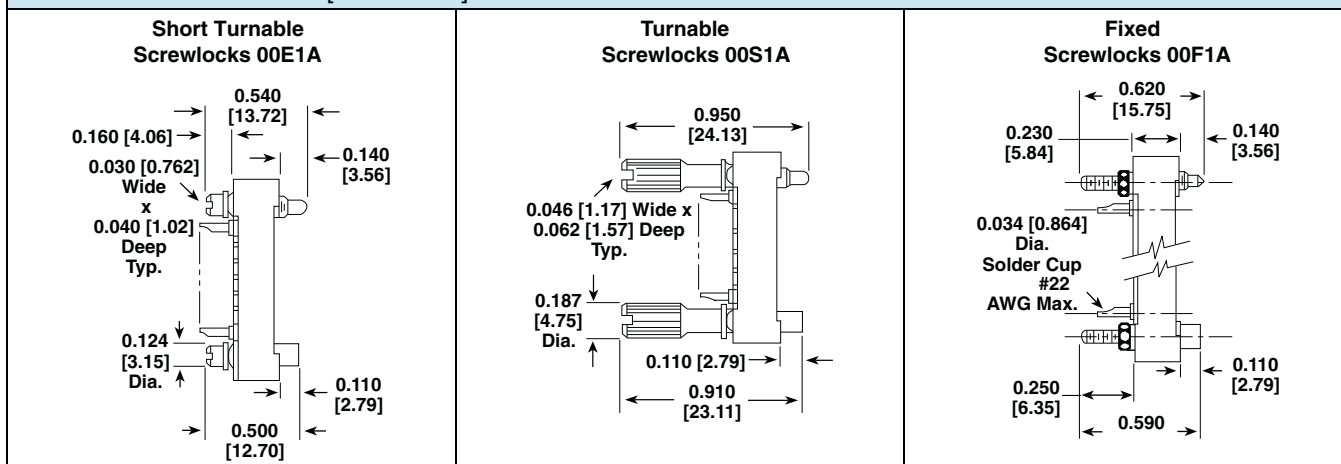
Screwlocks: Stainless steel, passivated

Guides: Stainless steel, passivated

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

DIMENSIONS in inches [millimeters]

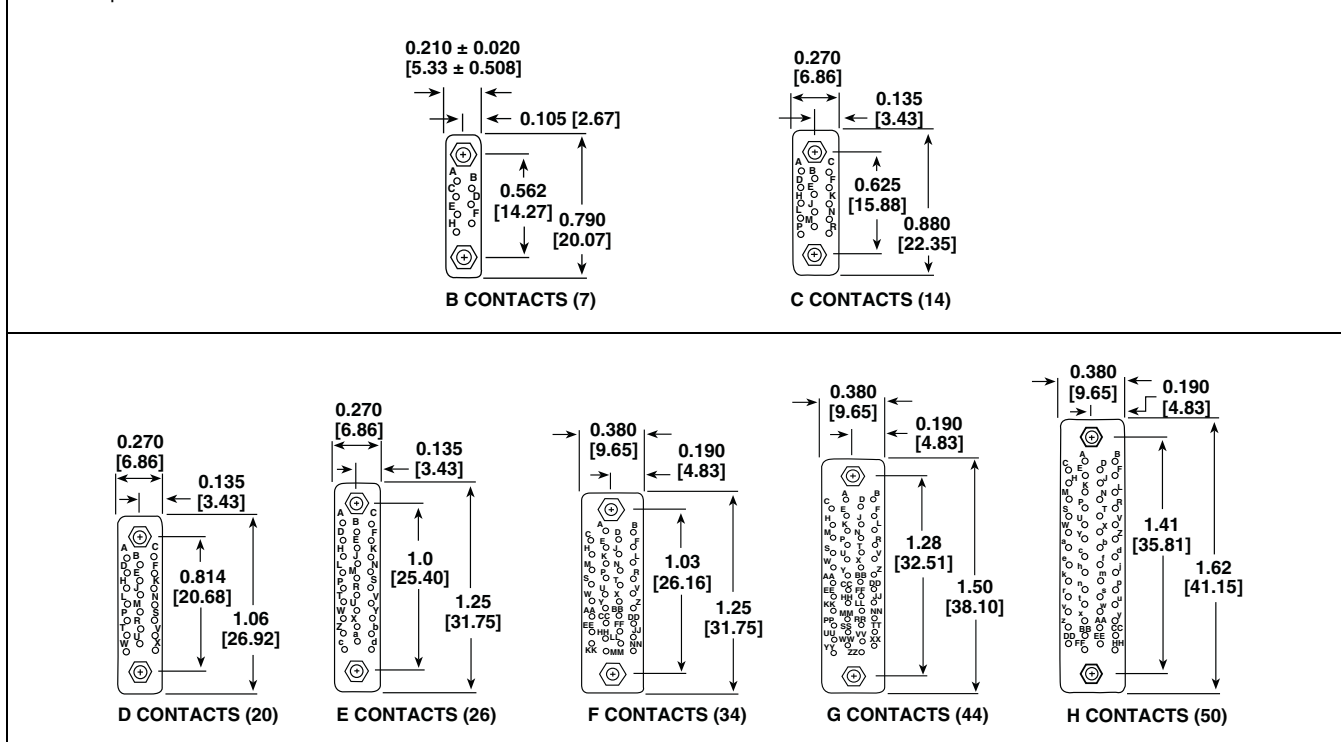


DIMENSIONS in inches [millimeters]

HARDWARE MATING CHART

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

DIMENSIONS in inches [millimeters]

NOTE: The views below show the wiring side of a pin model connector (female is opposite). Socket hardware assembled at "A" contact end of a pin model connector





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]				

ORDERING INFORMATION

CONNECTOR				HARDWARE		
M28748/7		P	22	G5 -	NUMBER OF CONTACTS	HARDWARE OPTIONS
C	MM	CONTACT STYLE	CONTACT SIZE	PLATING		
CONTACTS	MODEL					
	Microminiature	P = Pin S = Socket	22 AWG = 0.030" [0.762 mm] diameter	G5 = Gold (0.00005 thick) over nickel	B (7) C (14) D (20) E (26) F (34) G (44) H (50)	
	Closed entry socket contacts					
M28748/8 same as /7						00G1A = Long slotted cres guides 0.078" [1.98 mm] diameter 00F1A = Chassis mounted fixed screwlocks long (2-56 thread) 00S1A = Cable mounted - turnable screwlocks (2-56 thread) 00E1A = Cable mounted - turnable screwlocks (2-56 thread) with short knobs

**MIL-C-28748 CROSS REFERENCE** for Vishay Dale Connectors

MIL MODEL #	VISHAY MODEL #	MIL MODEL #	VISHAY MODEL #
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-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-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-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-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-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-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



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