$3M^{TM}$ MetPak M HSHM Press-Fit Power Socket

2 mm Type D, 176 Signal/4 Power Contacts, 8 Rows, Right Angle

HSHM Series

Sheet 1 of 3



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Insulation:	
Material:	High Temperature Thermoplastic (LCP)
Flammability:	UL 94V-0
Color:	
Material:	Copper Alloy
Plating:	See Ordering information

Performance

Mechanical:

Normal Force (Nominal):	0.57 N [58 g] Signal, 0.74 N [75 g] Shield, 0.98 N [100 g] Power
Engagement Force (Nominal):	0.32 N [33 g] Signal, 0.22 N [22 g] Shield, 1.42 N [145 g] Power
Separation Force (Nominal):	0.20 N [20 g] Signal, 0.20 N [20 g] Shield, 0.89 N [91 g] Power
Wipe (Nominal, Shortest Contact):	2.67 mm [0.105 in] Signal, 1.57 mm [0.062 in] Shield, 1.93 N [0.076 in.] Power
Mate/Unmate Cycles:	250
Application:	This module is suitable for stand-alone use. (Refer to IEC-61076-4-101)
Electrical:	
Data Rate:	5 Gb/s
Characteristic Impedance:	50 Ω Single-ended, 100 Ω Differential
Current Rating (Fully Loaded):	1 A @ 70° C Signal, 8.25 A at 70×C Power
Insulation Resistance:	$10^4 \mathrm{M\Omega} @ 100 \mathrm{V_{DC}}$
Withstanding Voltage:	$750 \mathrm{V_{rms}}$

Environmental

Temperature Rating: -55° C to 125° C

UL File No.: E68080

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