3MTM Ultra Hard Metric (UHM) Press-Fit Socket

2 mm, D, DPWR, DE, E, FL & FR Types: 176, 200 or 88 Signal Contacts, 8 Rows, Right Angle

UHM Series



Physical

Insulation:

Material: High Temperature Thermoplastic (LCP) - black or natural Flammability: UL 94V-0

Contact:

Material: Copper Alloy Plating: See Ordering Information

Performance

Mechanical:

Normal Force (Nominal):	0.57 N [58 g] Signal, (0.74 N [75 g] Shield with HSHM & UHM headers)
Engagement Force (Nominal):	0.32 N [33 g] Signal, (0.22 N [22 g] Shield with HSHM & UHM headers)
Separation Force (Nominal):	0.20 N [20 g] Signal, (0.20 N [20 g] Shield with HSHM & UHM headers)
Wipe (Nominal, Shortest Contact):	2.67 mm [0.105 in] Signal, 1.57 mm [0.062 in] Shield
Application:	These modules are not suitable for stand-alone use, additional guide features recommended per IEC 61076-4-101
Electrical:	
Data Rate:	7+ Gbps data rates (when mated to standard IEC 61076-4-101 headers)
Characteristic Impedance:	50 Ω Single-ended, 100 Ω Differential
Current Rating (Fully Loaded):	1 A @ 70° C Signal
Current Rating (Fully Loaded): Insulation Resistance:	C C

Environmental

Temperature Rating: -55° C to 125° C

UL File No.: E68080

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