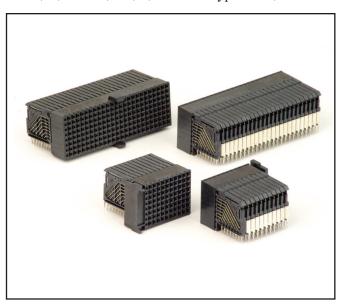
## 3M™ Ultra Hard Metric (UHM) Press-Fit Socket

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



- 7+ Gbps data rates when mated to standard IEC 61076-4-101 headers.
- Low crosstalk at high frequencies
- $50/100 \Omega$  (single-ended/differential) impedance
- Modular/scalable format IEC 61076-4-101
- Press-fit headers and receptacles
- 101 mated lines per linear inch
- Dual beam contact construction for high reliability
- End-to-end stackable with 8-Row 3M<sup>™</sup> CP2, HM, UHM and HSHM Sockets
- Mates with 3M<sup>™</sup> CP2, HM, UHM, HSHM Headers
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: February 15, 2010

TS-2326-B Sheet 1 of 5

### **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:  $50~\Omega$  Single-ended,  $100~\Omega$  Differential

Current Rating (Fully Loaded):  $1~A~@~70^{\circ}~C~Signal$  Insulation Resistance:  $10^4~M\Omega~@~100~V_{DC}$ 

Withstanding Voltage: 750 V<sub>RMS</sub>

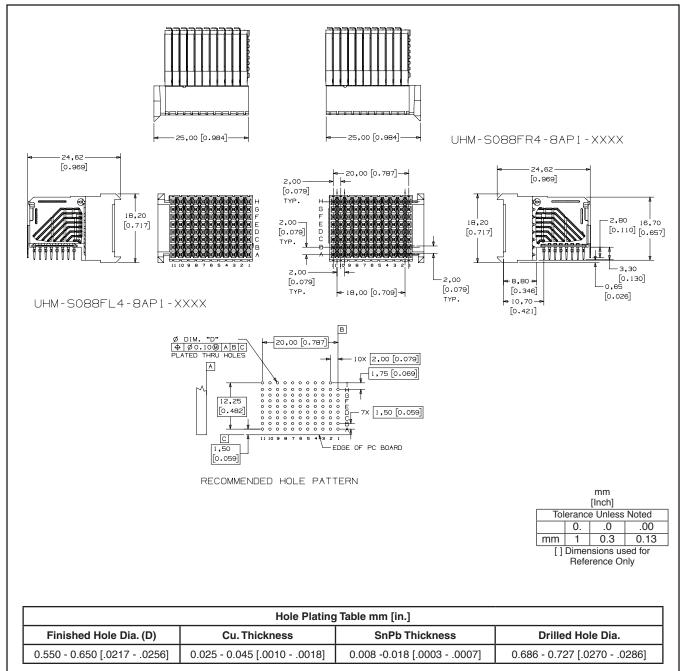
#### **Environmental**

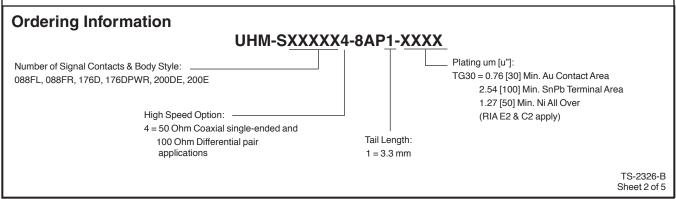
**Temperature Rating:** -55° C to 125° C

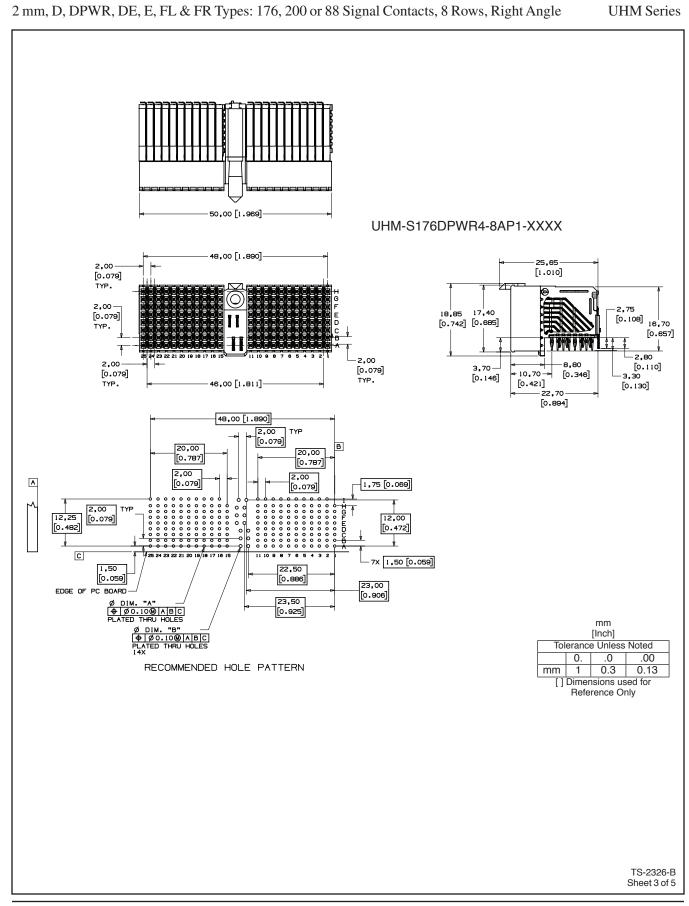
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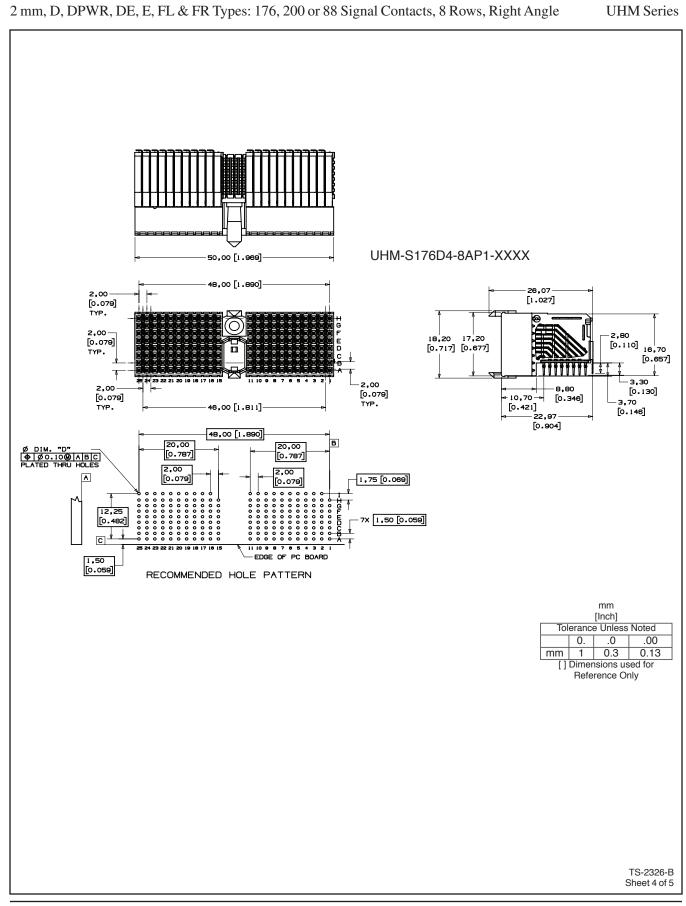
2 mm, D, DPWR, DE, E, FL & FR Types: 176, 200 or 88 Signal Contacts, 8 Rows, Right Angle

**UHM Series** 







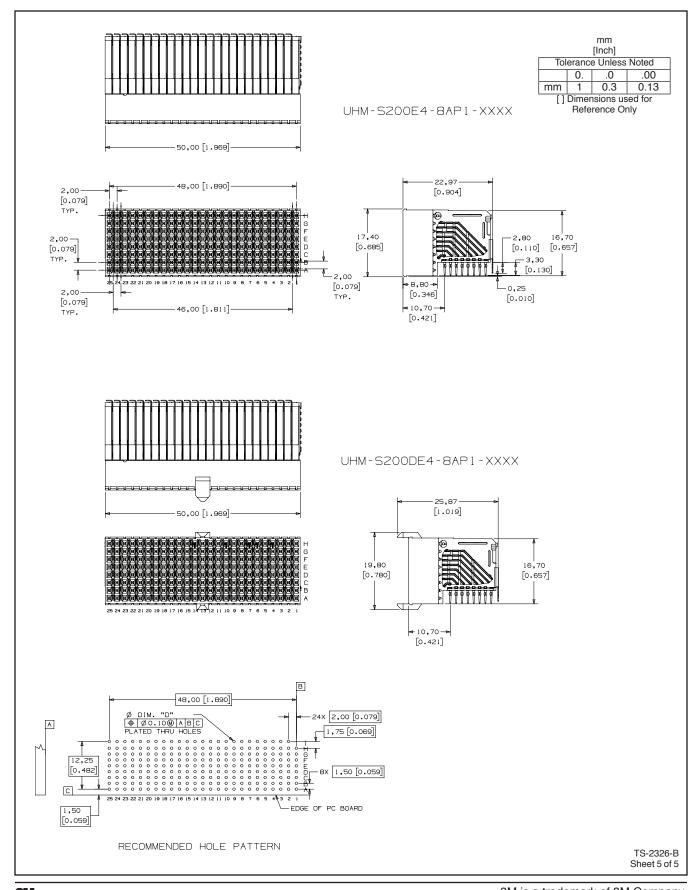


800-225-5373

# 3M™ 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** 



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