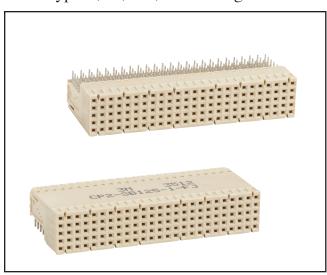
3M[™] CP2 Press-Fit Socket

2 mm Type B, 95, 110, and 125 Signal Contacts, Right Angle

CP2 Series



- 25 mm basic system unit
- 50 mm module
- Designed according to IEC 61076-4-101 and IEC 60352-5 Standards
- 2 mm grid spacing allows for high signal density at low cost
- "Eye of the Needle" compliant pin press-fit design helps reduce manufacturing time and cost
- Additional grounding row available for improved ground bounce and EMI immunity
- Mates with 5 row 3M[™] HM, and CP2 Headers
- End-to-end stackable with 5 row 3M[™] HSHM, UHM, HM, and CP2 Sockets
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIAE1 & C1 apply)

Date Modified: July 16, 2015

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Physical

Insulation:

Material: High Temperature Thermoplastic (LCP)

Flammability: UL94V-0

Contact:

Material: Copper Alloy

Plating: See Ordering Information

Mechanical

Mating Force: ≤ 0.75 N/PIN

Withdrawl Force: ≥ 0.15 N/PIN

Mating and Un-mating Operations: 200 for KR plating

Application: This module is not suitable for stand-alone use. (Refer to IEC-61076-4-101)

Electrical

Current Rating: 1.0 Amperes at 70°C with all contacts powered

Contact Resistance: $\leq 20 \text{ m}\Omega$ Insulation Resistance: $\geq 10,000 \text{ M}\Omega$ Test Voltage: 750 VAC_{RMS}

Environmental

Temperature Rating: -55°C to +125°C

PCB Data

Recommended PCB Plated Through Hole: Θ 0.6±0.05 mm

Drill hole diameter: ⊖ 0.7±0.02 mm

Hole platings Cu 25~50 μm, Sn<10 μm

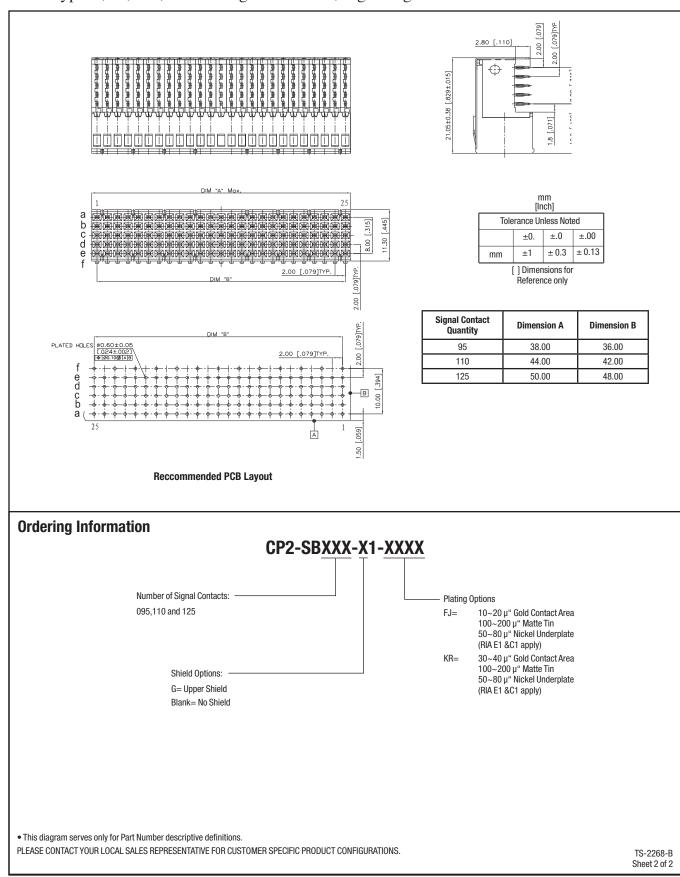
PCB thickness: 1.4 - 4.2 mm

Press-In Force: ≤ 204 N/pin on nominal hole diameter Retention Force: ≥ 13.5 N/pin on nominal hole diameter

3M

CP2 Series

2 mm Type B, 95, 110, and 125 Signal Contacts, Right Angle



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Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.

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