



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

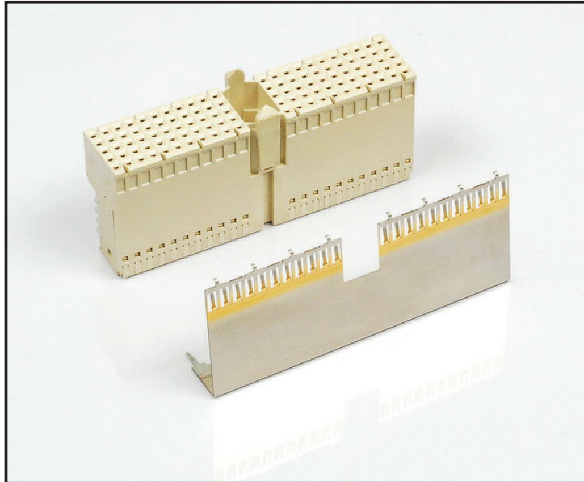
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ CP2 Press-Fit Socket

2 mm Type A 110 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 reduces 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, and CP2 Sockets
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 16, 2015

TS-2266-B
Sheet 1 of 2

Physical

Insulation:

Material: High Temperature Thermoplastic (LCP)

Flammability: UL94V-0

Contact:

Material: Copper Alloy

Plating: See Ordering Information

Mechanical

Mating Force: $\leq 0.75\text{N/PIN}$

Withdrawl Force: $\geq 0.15\text{N/PIN}$

Mating and Un-mating Operations: 200 for KR plating

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 Ratings: -55°C to +125°C

PCB Data

Recommended PCB Plated Through Hole: $\text{Ø } 0.6\pm 0.05\text{ mm}$

Drill Hole Diameter: $\text{Ø } 0.7\pm 0.02\text{ mm}$

Hole platings: Cu 25~50 μm , Sn<10 μm

PCB thickness: 1.4 - 4.2 mm

Press-In Force: $\leq 204\text{N/pin}$ on nominal hole diameter

Retention Force: $\geq 13.5\text{N/pin}$ on nominal hole diameter



Electronics Materials Solutions Division

Interconnect Solutions

<http://www.3Mconnectors.com>

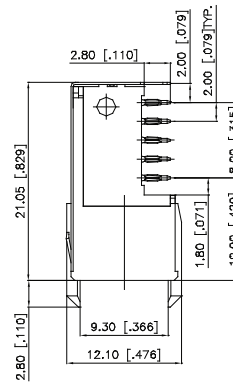
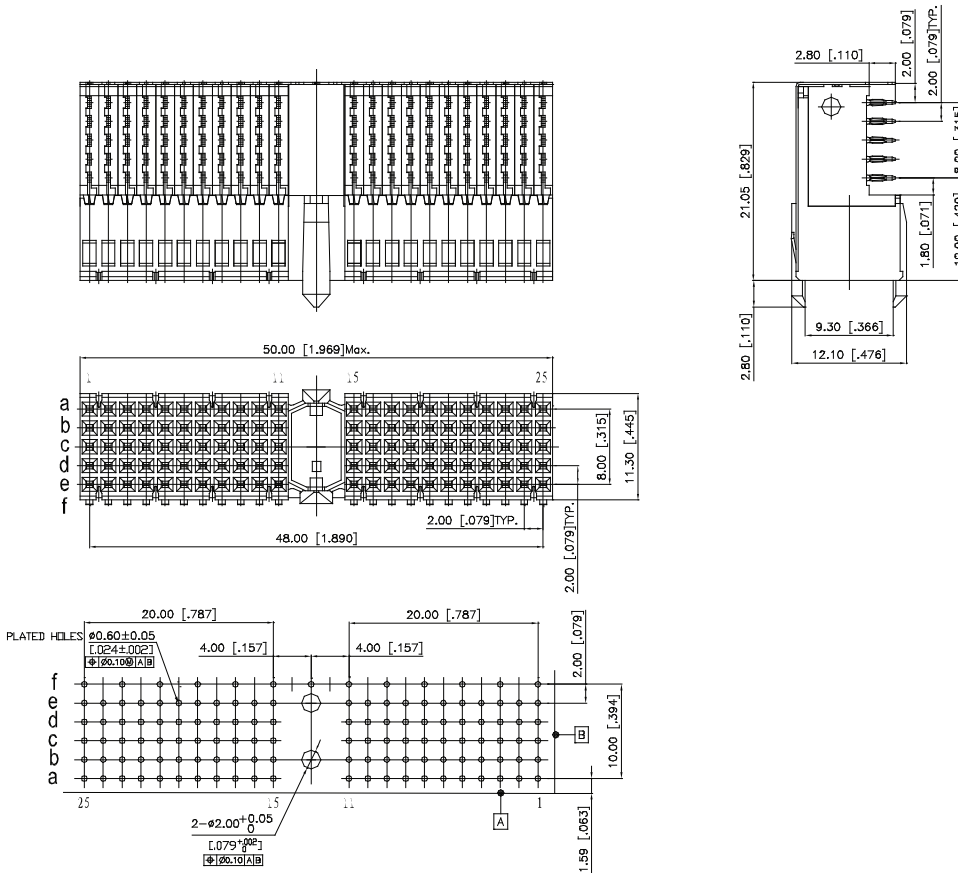
For technical, sales or ordering information call

800-225-5373

3M™ CP2 Press-Fit Socket

2 mm Type A 110 Signal Contacts Right Angle

CP2 Series



mm
[Inch]

| Tolerance Unless Noted | | | |
|------------------------|-----|------|-------|
| | ±0. | ±.0 | ±.00 |
| mm | ±1 | ±0.3 | ±0.13 |

[] Dimensions for Reference only

Recommended PCB Layout

Ordering Information

CP2-SA110-X1-XXXX

Shield Options
 G= Upper Shield
 Blank= No Shield

Plating Options

- FJ= 10~20 μ" Gold Contact Area
 100~200 μ" Matte Tin
 50~80 μ" Nickel Underplate
 (RIA E1 & C1 apply)
- KR= 30~40 μ" Gold Contact Area
 100~200 μ" Matte Tin
 50~80 μ" Nickel Underplate
 (RIA E1 & C1 apply)

• This diagram serves only for Part Number descriptive definitions.
 PLEASE CONTACT YOUR LOCAL SALES REPRESENTATIVE FOR CUSTOMER SPECIFIC PRODUCT CONFIGURATIONS.



3M is a trademark of 3M Company.

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.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Electronics Materials Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnectors.com

Please recycle. Printed in USA.
© 3M 2015. All rights reserved.
RIA-2217A-E