

3M™ Low Profile Through-Board Socket

2 mm x 2 mm Straight, Dual or Bottom Entry, Surface Mount

956 Series



- Optimizes use of PC board space
- High temperature dielectric
- “No lead” reflow solder compatible
- Dual row design, 6–50 pins
- Minimized PC Board stacking heights
- Ultra Low Profile Version
- Mates with pin headers for board stacking applications
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the RoHS compliance section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: November 26, 2012

TS-2168-F
Sheet 1 of 2

Physical

Insulation

Material: High Temperature Thermoplastic
Flammability: UL 94V-0
Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: 1.25–2.5 μm [50–100 μin] Nickel
Wiping Area: Flash Gold
Solder Tail Area: 1–3 μm [40–118 μin] Matte Tin

Electrical

Current Rating: 1 A
Insulation Resistance: $> 5 \times 10^8$ Ohm at 100 V_{DC}
Withstanding Voltage: 1000 V_{DC}
Transition Resistance: ≤ 20 mOhm

Environmental

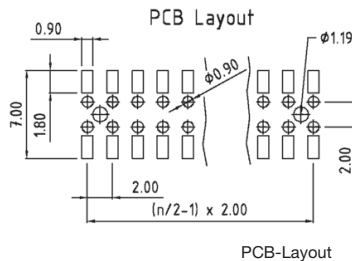
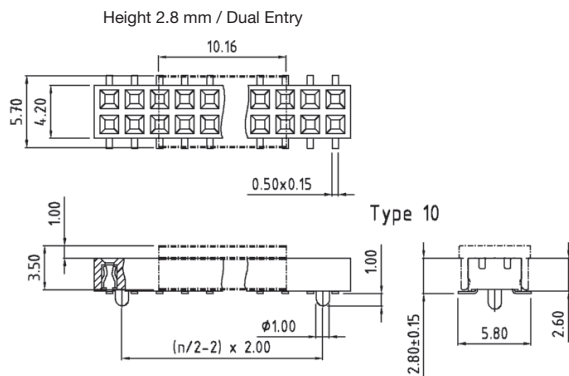
Temperature Range: -40 °C to +105 °C
Processing Temperature: max. 260 °C (Profile per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

UL File No.: E68080

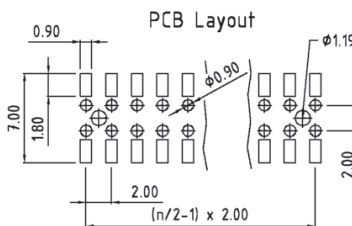
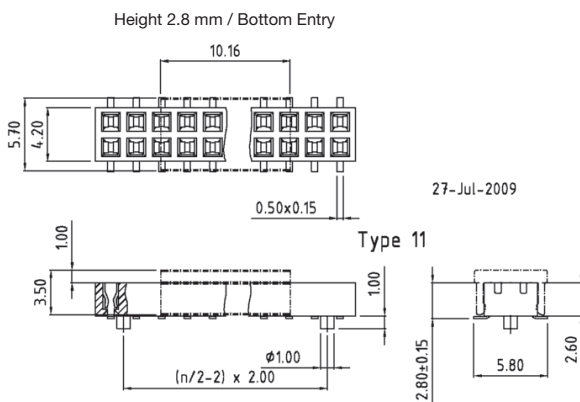
3M™ Low Profile Through-Board Socket

2 mm x 2 mm Straight, Dual or Bottom Entry, Surface Mount

956 Series



Tape & Reel Option						
9562xx-2000	Contact Quantity	10-14	16-18	20-30	32-44	46-50
9562xx-2700		10-14	16-18	20-30	32-42	44-50
9562xx-2020		10-14	16-18	20-30	32-42	44-50
9562xx-2720		10-14	16-18	20-30	32-42	44-50
Tape Width [mm]		24	32	44	56	72



n = No. of Contacts

Tolerance Unless Noted [mm]				
Nominal Size	0.5-3	3-6	6-30	30-120
Linear Dim	+/- 0.1	+/- 0.1	+/- 0.2	+/- 0.3
Radii	+/- 0.2	+/- 0.5	+/- 1	+/- 1



Ordering Information

9562XX - 2XX0 - AR - XX (RIA E1 & C1 Apply)

Contact Quantity:
06-50 Pins

Tail Style:
2 = Straight,
Surface Mount

Special Features:
0 = Dual Entry Contact
7 = Bottom Entry Contact

see packaging option

Packaging:
TP = Tube
PT = Tube with Pad 10 to 50 pos
PR = Tape & Reel with Pad 10 to 50 pos

Board Location Features:
0 = None
2 = with Board Loc. Posts

TS-2168-F
Sheet 2 of 2

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 ninety (90) days 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 indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



3M Electronics 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 2012. All rights reserved.
RIA-2217B-E

3M is a trademark of 3M Company.