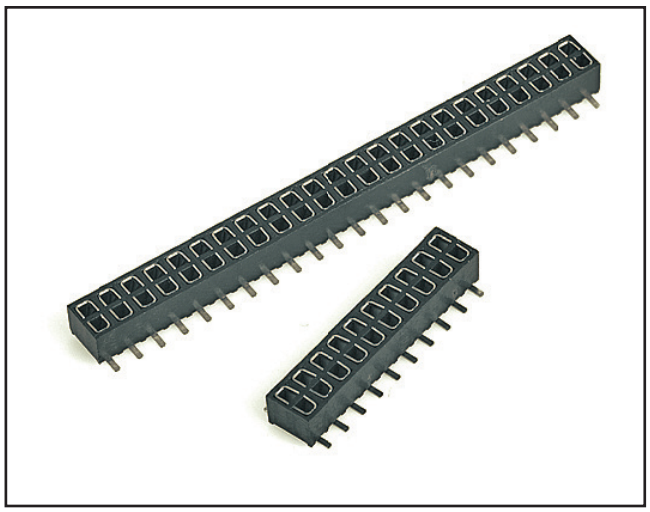
3M™ Thru-Board Socket

2 mm x 2 mm Surface Mount

1532 Series



- Top and bottom side mateable
- High Temperature Insulator
- Reflow solder compatible
- Low height helps minimize PCB stack height
- End stackable
- Available in tape and reel pack with vacuum cap for automated placement applications
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: January 14, 2013

Physical

Insulator:	
Material:	Glass filled LCP
Flammability:	UL 94V-0
Color:	Black
Contact:	
Material:	Copper alloy
Plating:	
Underplating:	1.27-3.81 µm [50-150 µ"] Nickel overall
Wiping Area:	0.76 µm [30 µ"] Gold Avg.
Solder Tails:	200-300 µ" [5.08-7.62 µm] Matte Tin
Marking:	Orientation delta

Electrical

Current Rating:	3.50 A, 1 Line Powered 1.75 A, 6 Adjacent Lines Powered 1.00 A, All Lines Powered Rating Conditions: EIA-364-070 Method 2, 30°C maximum temperature rise, 20% derated. Reference appropriate 3M Product Specification for detailed current derating curves.
Insulation Resistance:	$> 1 \times 10^9 \Omega$ at 250 V_{DC}
Withstanding Voltage:	500 V_{DC} at Sea Level

Environmental

Temperature Rating:	-55°C to +105°C
Process Rating:	Maximum 260°C, (per J-STD-020C)
Moisture Sensitivity Level:	1 (per J-STD-020C)

UL File No.: E68080

3M
Electronic Solutions Division
Interconnect Solutions
http://www.3Mconnectors.com

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800-225-5373

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2 mm x 2 mm Surface Mount

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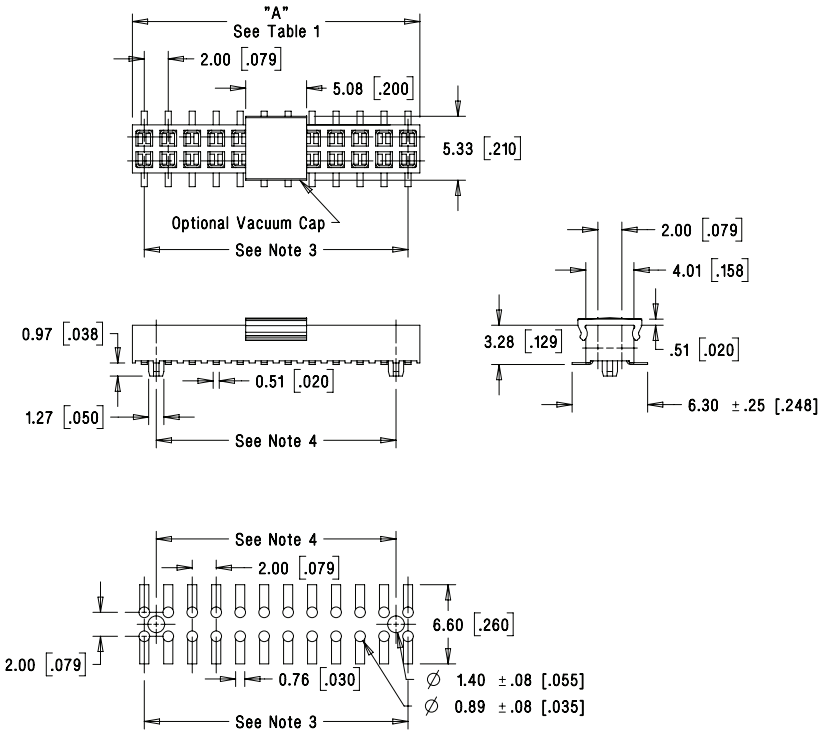
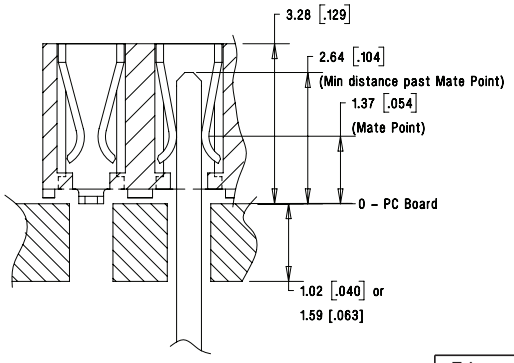
Table 1			
Contact Quantity	Dimension A	Tape Width	Order Code
04	3.96 [0.156]	24 mm	WA
06	5.87 [0.231]	24 mm	WA
08	7.87 [0.310]	24 mm	WB
10	9.88 [0.389]	24 mm	WB
12	11.86 [0.467]	24 mm	WB
14	13.87 [0.546]	24 mm	WB
16	15.88 [0.625]	24 mm	WB
18	17.88 [0.704]	44 mm	WD
20	19.86 [0.782]	44 mm	WD
22	21.87 [0.861]	44 mm	WD
24	23.88 [0.940]	44 mm	WD
26	25.88 [1.019]	44 mm	WD
28	27.86 [1.097]	44 mm	WD
30	29.87 [1.176]	44 mm	WD
32	31.88 [1.255]	56 mm	WE
34	33.88 [1.334]	56 mm	WE
36	35.86 [1.412]	56 mm	WE
38	37.87 [1.491]	56 mm	WE
40	39.88 [1.570]	56 mm	WE
42	41.88 [1.649]	56 mm	WE
44	43.87 [1.727]	72 mm	WF
46	45.87 [1.806]	72 mm	WF
48	47.88 [1.885]	72 mm	WF
50	49.89 [1.964]	72 mm	WF
52	51.87 [2.042]	72 mm	WF
54	53.87 [2.121]	72 mm	WF
56	55.88 [2.200]	72 mm	WF
58	57.86 [2.278]	88 mm	WG
60	59.87 [2.357]	88 mm	WG



Recommended Solder Pad Layout



Notes:

1. Tape & reel include vacuum pick-up cap for pick 'n place handling equipment.
2. Parts in tray packaging are supplied without vacuum cap.
3. Positions per row, subtract 1, multiply by 2 mm spacing.
4. Optional locator posts: positions per row, multiply by 2 mm, subtract 4 mm.

mm
[Inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	± 2.54	± .254	± .127

[ ] Dimensions for Reference only

**Optional Locator Posts available for positions eight and greater.

Ordering Information

1532XX-20X0-RB-XX (RIA E1 & C1 Apply)

- XX (first): Number of positions (See Table 1)
- X: Board location post
  - 0 = None
  - **2 = With board location post**
- XX (last): Packaging style:
  - Blank = tray packaging
  - WX = tape & reel pkg (see table)

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RIA-2217B-E

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- Консультации по применению компонента;
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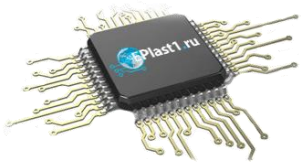
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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