



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!



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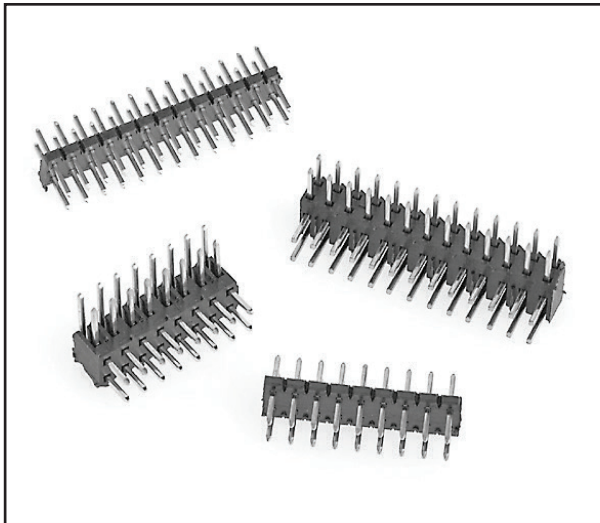
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



3M™ Pin Strip Header, 1512 Series

2 mm × 2 mm Solder Tail Straight & Right Angle, Surface Mount Straight



- Mates with a variety of dual row 2 mm board mount and wire mount sockets
- High temperature insulator compatible with lead-free solder processes
- Extensive pin count availability from 4 to 80 positions
- Available with vacuum cap in tape and reel packaging for automatic placement
- Minimizes use of PC board space
- End and side stackable design
- Visit 3M.com/regs or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: January 20, 2017

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Physical

Insulation:

Material: Glass-filled LCP

Flammability: UL 94V-0

Color: Black

Contact:

Material: Copper Alloy

Plating:

Underplating: 50 μ" [1.27 μm] Nickel

Wiping Area: 30 μ" [0.76 μm] Gold Avg.

Solder Tails: 200-300 μ" [5.08-7.62 μm] Matte Tin

Marking: None

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_{RMS} 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



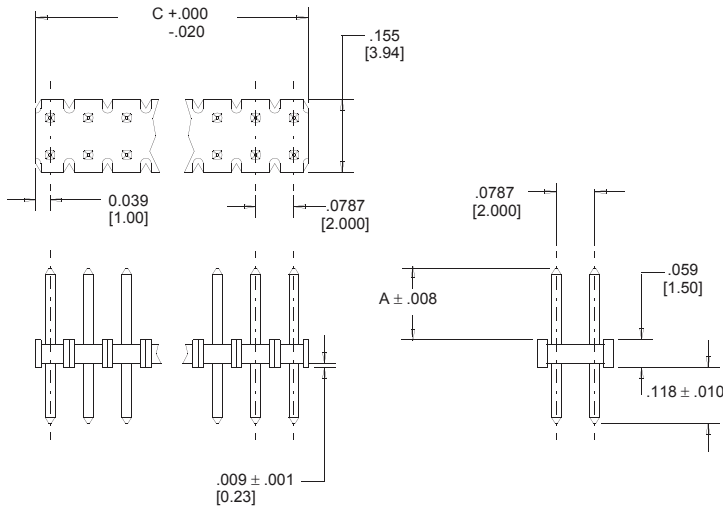
Electronics Materials Solutions Division
Interconnect Solutions
<http://www.3Mconnectors.com>

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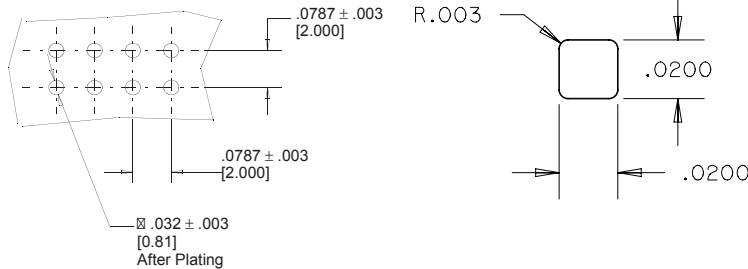
3M™ Pin Strip Header, 1512 Series

2 mm × 2 mm Solder Tail Straight & Right Angle, Surface Mount Straight

Straight



Contact Quantity	Dimension C
80	3.15 [80.0]



Recommended Mounting Hole Pattern

Pin Cross Section

mm
[Inch]

Tolerance Unless Noted		
	in.	mm
0.X	-	± 0.5
0.XX	± 0.01	± 0.25
0.XXX	± 0.005	± 0.13

[] Dimensions for Reference Only



Ordering Information

1512XX-8X22-RB (RIA E1 & C1 Apply)

Contact Quantity
(See Table 1)

Pin Length
Dim 'A'
3 = .130"
4 = .152"

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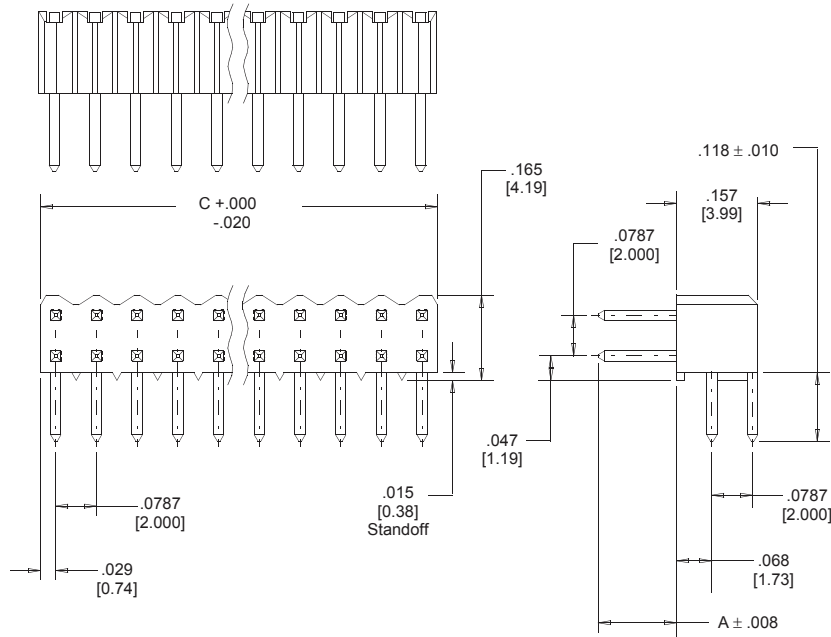
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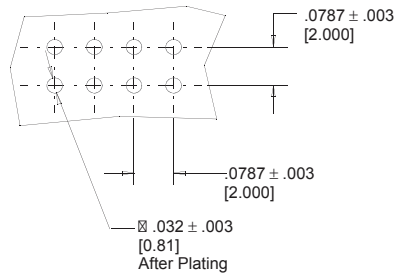
3M™ Pin Strip Header, 1512 Series

2 mm × 2 mm Solder Tail Straight & Right Angle, Surface Mount Straight

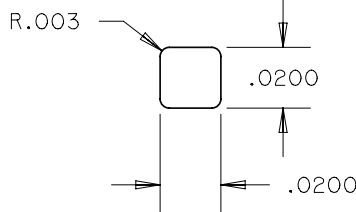
Right Angle



Contact Quantity	Dimension C
80	3.15 [80.0]



Recommended Mounting Hole Pattern



Pin Cross Section

mm
[Inch]

Tolerance Unless Noted		
	in.	mm
0.X	-	± 0.5
0.XX	± 0.01	± 0.25
0.XXX	± 0.005	± 0.13

[] Dimensions for Reference Only



Ordering Information

1512XX-7X22-RB (RIA E1 & C1 Apply)

Contact Quantity
(See Table 1)

Pin Length
Dim 'A'
3 = .130"
4 = .152"

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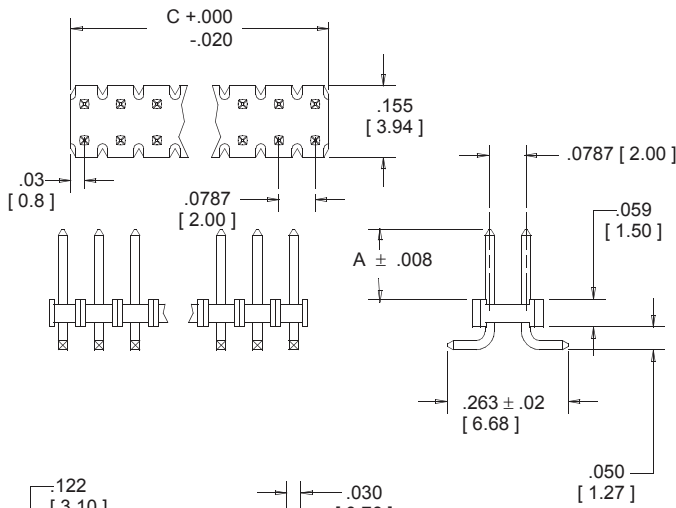
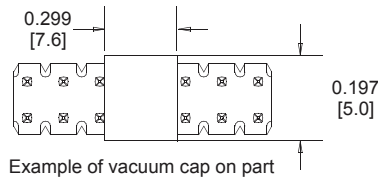


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3M™ Pin Strip Header, 1512 Series

2 mm × 2 mm Solder Tail Straight & Right Angle, Surface Mount Straight

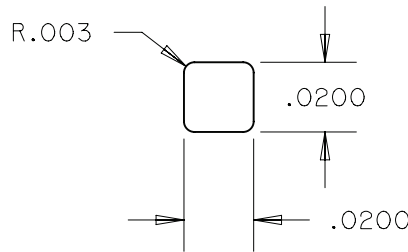
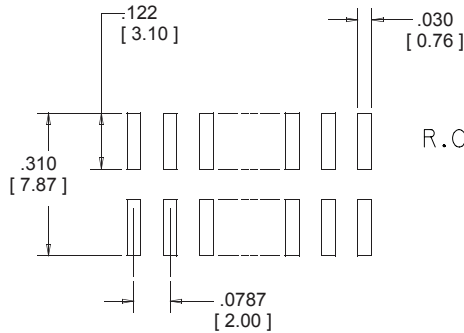


Contact Quantity	Dimension C	Tape Width	Order Code
80	3.15 [80.0]	n/a	n/a

mm
[Inch]

Tolerance Unless Noted		
	in.	mm
0.X	-	±0.5
0.XX	±0.01	±0.25
0.XXX	±0.005	±0.13

[] Dimensions for Reference Only



- 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.



Ordering Information

1512XX-2X20-RB-XX (RIA E1 & C1 Apply)

Contact Quantity
(See Table 1)

Pin Length
Dim 'A'
3 = .130"
4 = .152"

Packaging suffix:
Blank = Tray Packaging
WX = Tape & Reel Packaging
(see table 1)

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Regulatory: For regulatory information about this product, contact your 3M representative.

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