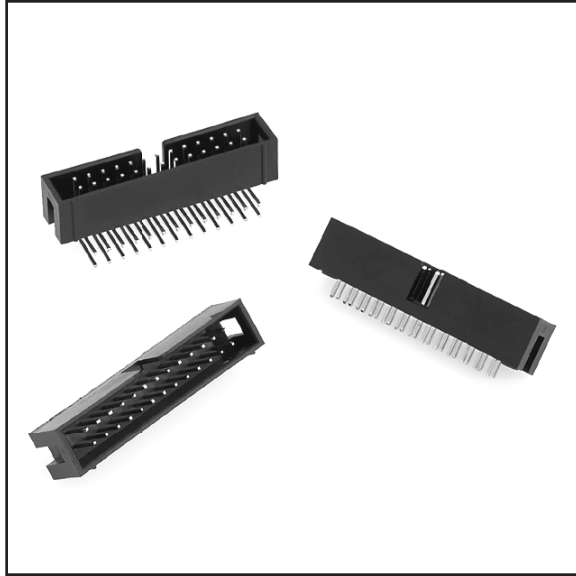


3M™ Low Profile Header

.100" × .100" Straight and Right Angle, Four-Wall

303 Series



- All over gold flash
- Sturdy body
- End windows
- Low cost
- Straight or right angle
- Ejector/latch option not available
- 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: April 11, 2012

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Sheet 1 of 3

Physical

Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Black

Contact:

Material: Brass

Plating:

Underplating: 30 μ " [0.76 μ m] Nickel

Wiping Area and Solder Tails: Gold Flash

Marking: Orientation Triangle

Electrical

Current Rating: 1 A

Insulation Resistance: $>1 \times 10^9 \Omega$ at 500 V_{DC}

Withstanding Voltage: 500 V_{RMS} at Sea Level

Environmental

Temperature Rating: -55°C to +105°C

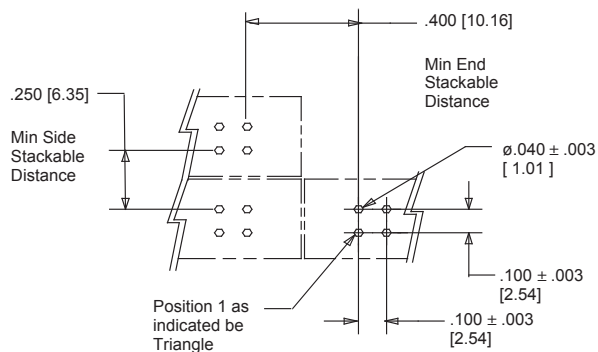
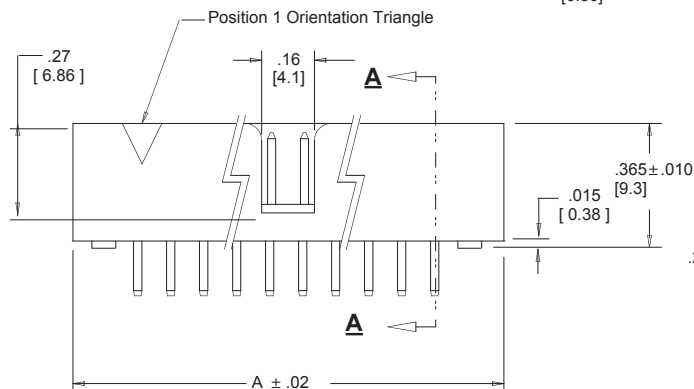
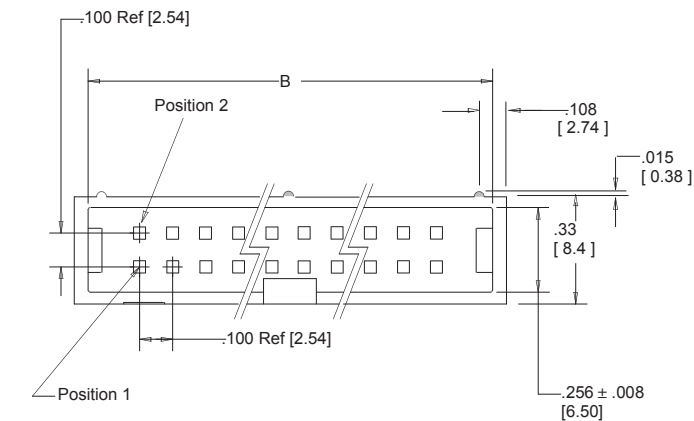
Process Temperature: Maximum insulator temperature 191°C max, solder wave process only

UL File No.: E68080

.100" × .100" Straight and Right Angle, Four-Wall

303 Series

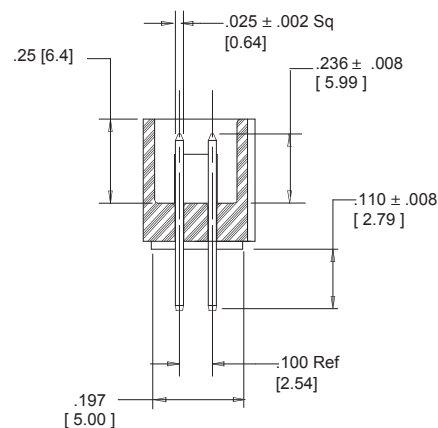
Straight



Recommended P.C. Board Hole Pattern

(Shown for mounting side of board.)

Pin Quantity	Dimensions	
	A	B
06	.60 [15.4]	.51 [12.9]
08	.70 [17.8]	.61 [15.5]
10	.80 [20.3]	.71 [18.0]
14	1.00 [25.4]	.91 [23.1]
16	1.10 [27.9]	1.01 [25.6]
20	1.30 [33.0]	1.21 [30.7]
26	1.60 [40.6]	1.51 [38.4]
34	2.00 [50.8]	1.91 [48.5]
36	2.10 [53.6]	2.01 [51.0]
40	2.30 [58.4]	2.21 [56.1]
50	2.80 [71.1]	2.71 [68.8]



Section A-A

Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[] Dimensions for Reference only

Note 1: No ejector/latch option available.

2. Low temperature plastic. Check compatibility with “no lead” processing conditions prior to production use.

Ordering Information

303XX - 6002HB (RIA E1 and C1 apply)

Pin Quantity:
(See Table 1)

- HB - Gold Flash

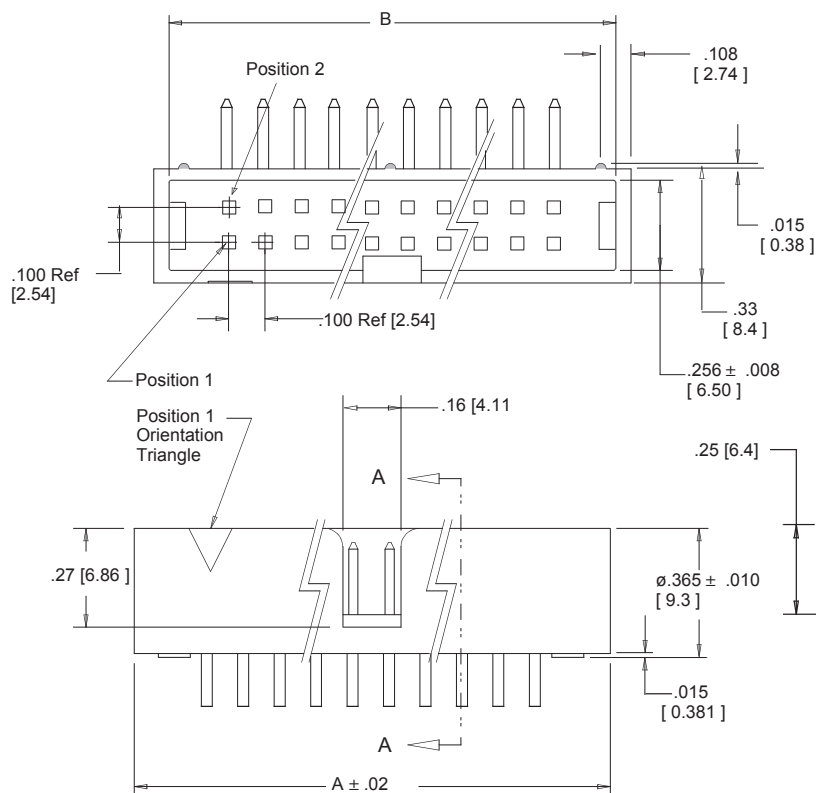
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Sheet 2 of 3

3M™ Low Profile Header

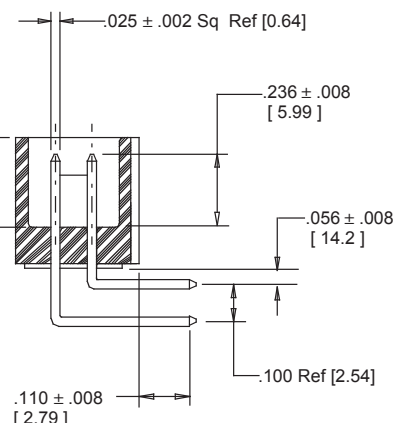
.100" × .100" Straight and Right Angle, Four-Wall

303 Series

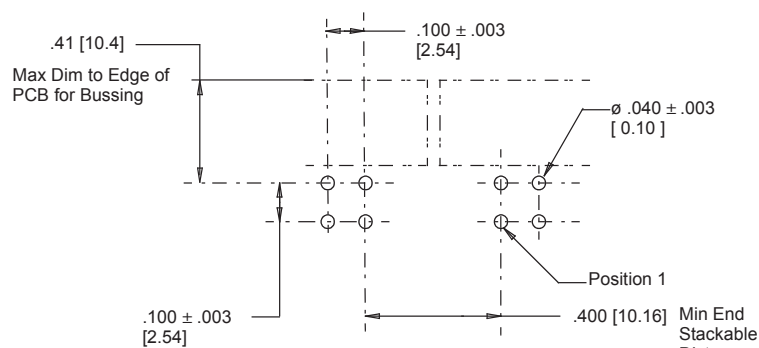
Right Angle



Pin Quantity	Table 1 Dimensions	
	A	B
06	.60 [15.2]	.51 [12.9]
08	.70 [17.8]	.61 [15.5]
10	.80 [20.3]	.71 [18.0]
14	1.00 [25.4]	.91 [23.1]
16	1.10 [27.9]	1.01 [25.6]
20	1.30 [33.0]	1.21 [30.7]
26	1.60 [40.6]	1.51 [38.4]
34	2.00 [50.8]	1.91 [48.5]
36	2.10 [53.6]	2.01 [51.0]
40	2.30 [58.4]	2.21 [56.1]
50	2.80 [71.1]	2.71 [68.8]



Section A-A



Recommended P.C. Board Hole Pattern
(Shown for mounting side of board)

Note 1: No ejector/latch option available.



Inch [mm]			
Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[] Dimensions for Reference only

Ordering Information

303XX - 5002HB (RIA E1 and C1 apply)

Pin Quantity:
(See Table 1)

HB - Gold Flash

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