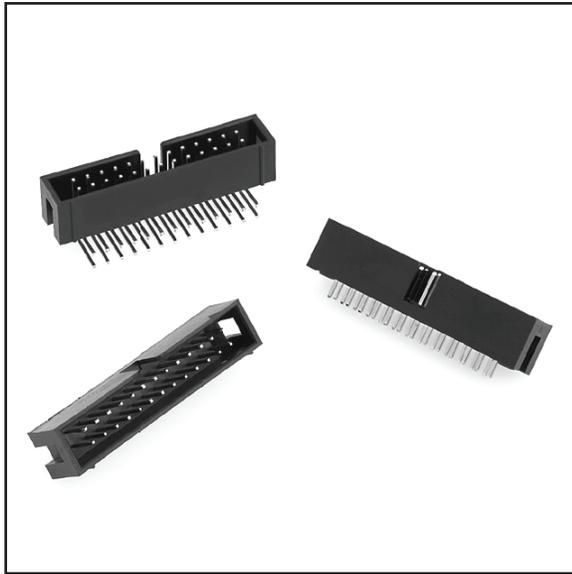


3M™ Low Profile Header

.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
- Regulatory Information: 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: September 04, 2019

TS-0818 -D
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 μm] Nickel

Wiping Area and Solder Tails: Gold Flash

Marking: Orientation Triangle

Electrical

Current Rating: 1 A

Insulation Resistance: >1 x 10⁹ Ω 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

3M

Electronics Materials Solutions Division
Interconnect Solutions

<http://www.3M.com/interconnect>

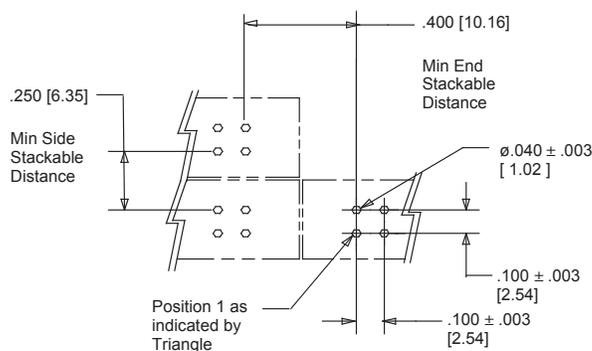
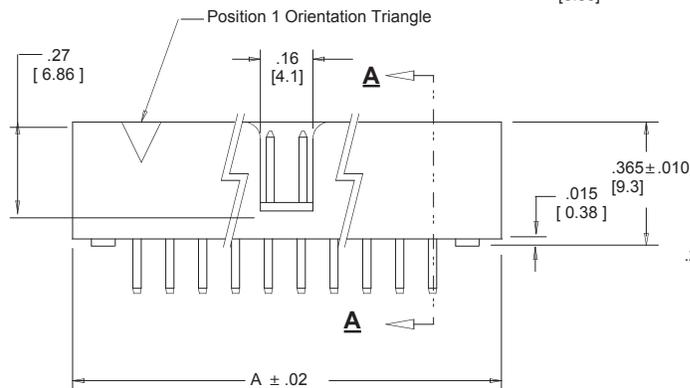
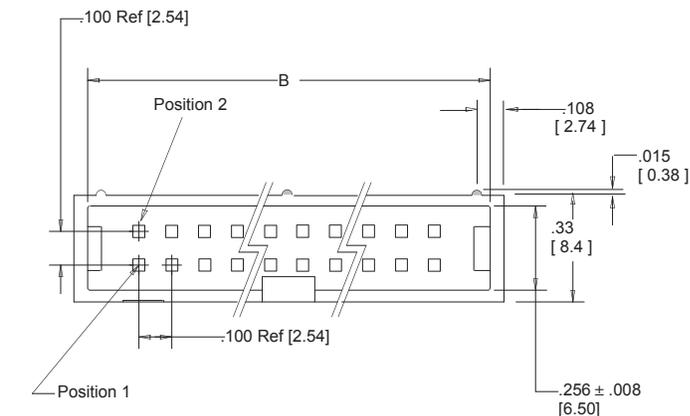
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3M™ Low Profile Header

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

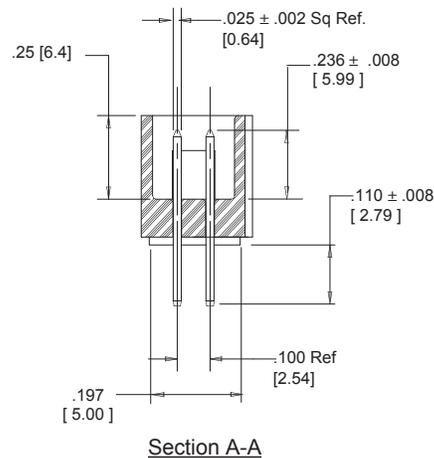
303 Series

Straight



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

| Table 1 | | |
|--------------|---------------|---------------|
| 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] |



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

[] Dimensions for Reference only

- Note 1: No ejector/latch option available.
 Note 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

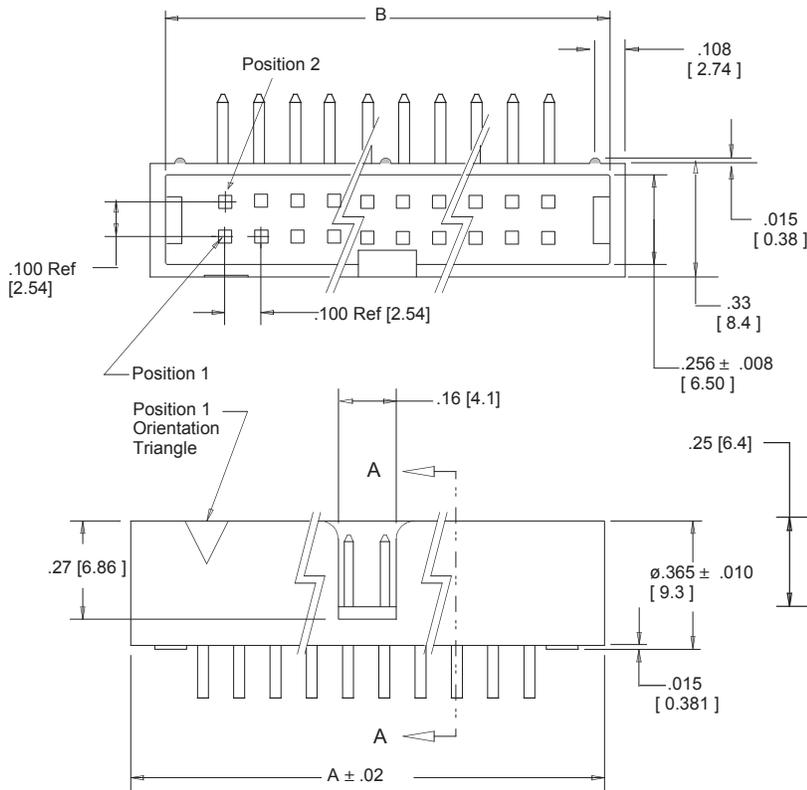
TS-0818-D
Sheet 2 of 3

3M™ Low Profile Header

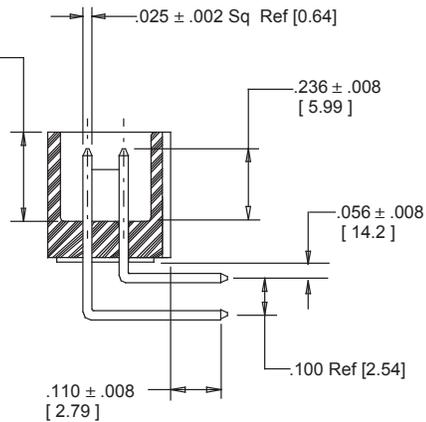
.100" × .100" Straight and Right Angle, Four-Wall

303 Series

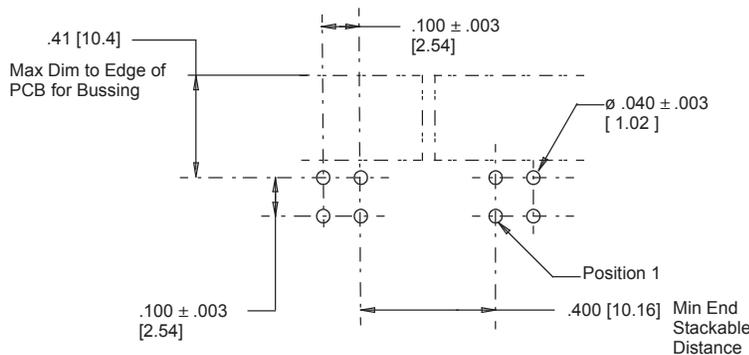
Right Angle



| Pin Quantity | 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)



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

[] Dimensions for Reference only

Note 1: No ejector/latch option available.

Ordering Information

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

Pin Quantity:
(See Table 1)

HB - Gold Flash

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Sheet 3 of 3



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