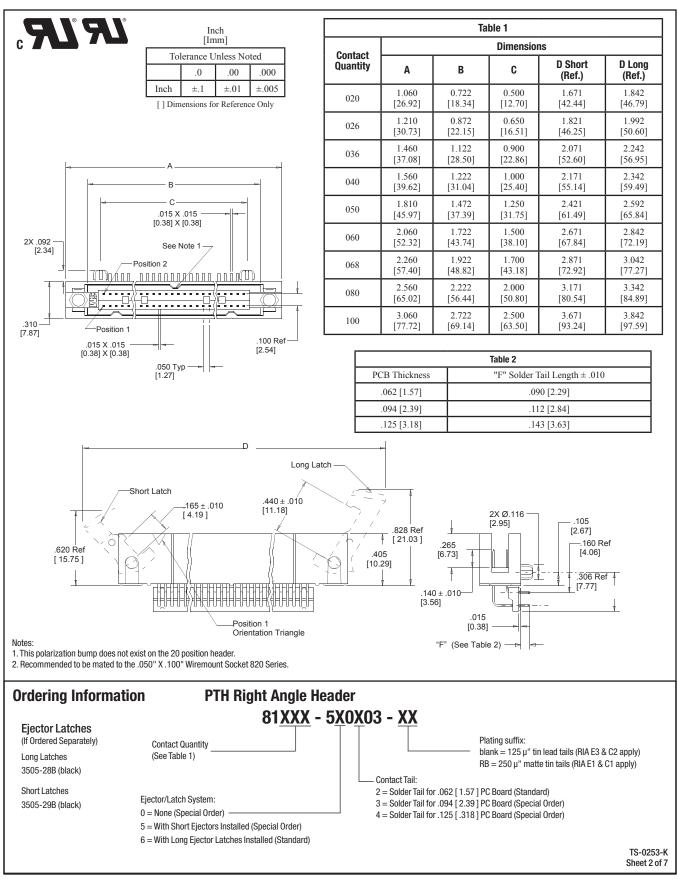
3M[™] 4-Wall, Tripolarized Header

 $.050" \times .100"$ Latch/Ejector, PTH & SMT Straight, PTH Right Angle

810 Series

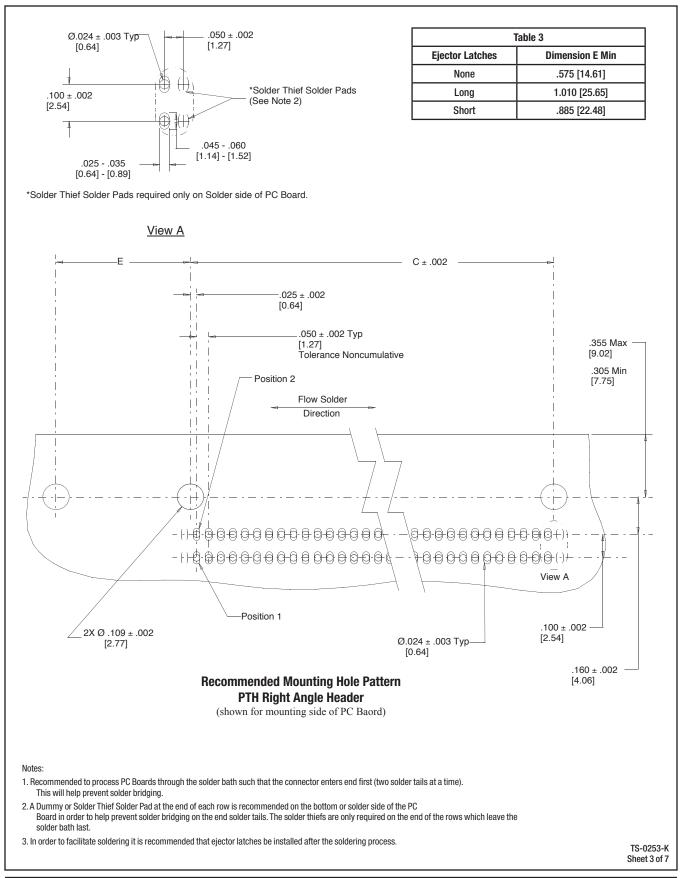


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3M[™] 4-Wall, Tripolarized Header .050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

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$3M^{\text{TM}} \text{ 4-Wall, Tripolarized Header} \\ .050'' \times .100'' \text{ Latch/Ejector, PTH & SMT Straight, PTH Right Angle}$

810 Series

| | | | Table 4 | | | |
|--|--|---------------|------------------------------------|--|---|---|
| Contact | ļ | | Dimensions | | | |
| Quantity | A | В | C Short (Ref.) | C Long (Ref.) | D | |
| 020 | 1.060 [26.92] | 0.722 [18.34] | 1.671 [42.44] | 1.842 [46.79] | 0.860 [21. | 84] |
| 026 | 1.210 [30.73] | 0.872 [22.15] | 1.821 [46.25] | 1.992 [50.60] | 1.010 [25. | |
| 036 | 1.460 [37.08] | 1.122 [28.50] | 2.071 [2.60] | 2.242 [56.95] | 1.260 [32. | 00] |
| 040 | 1.560 [39.62] | 1.222 [31.04] | 2.171 [55.14] | 2.342 [59.49] | 1.360 [34. | 54] |
| 050 | 1.810 [45.97] | 1.472 [37.39] | 2.421 [61.49] | 2.592 [65.84] | 1.610 [40. | |
| 060 | 2.060 [52.32] | 1.722 [43.74] | 2.671 [67.84] | 2.842 [72.19] | 1.860 [47. | |
| 068 | 2.260 [57.40] | 1.922 [48.82] | 2.871 [72.92] | 3.042 [77.27] | 2.060 [52. | |
| 080 | 2.560 [65.02] | 2.222 [56.44] | 3.171 [80.54] | 3.342 [84.89] | 2.360 [59. | |
| 100 | 3.060 [77.72] | 2.722 [69.14] | 3.671 [93.24] | 3.842 [97.59] | 2.860 [72. | 64] |
| | A | · | | | | Table 5 |
| | | | | PC | B Thickness | "F" Solder Tail Length ± .010 |
| .310 | B | 3 | | | .062 [1.57] | .092 [2.34] |
| [7.87] | Se | e Note 1 | | | .094 [2.39] | .110 [2.79] |
| | 1 110 - | 7] | | | .05 I Con Mati Poir | ng .140 ± |
| .165 [4.18 X .092 [234] [295] | | | | .s28 hef [21.03] .405 [10.29] .015 [38] Optional Press répose modern algormeent élasture | Con Mati | |
| [4.18 x .992 [234] 205 .116 [2.95] | Formation Sely) Ejector/La 0 = None | A [1] | raight Header 81 <u>XXX</u> - 6 | (21.03] 405 (10.29] 015 (36] Optional Press reptonent feature Augument feature XOXOX - XX Board Mountin 1 = None (Spe | Con Mati Poin Pia Pia Bia RB ng Options: | Ref $\frac{1}{4}$ |

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3M[™] 4-Wall, Tripolarized Header .050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

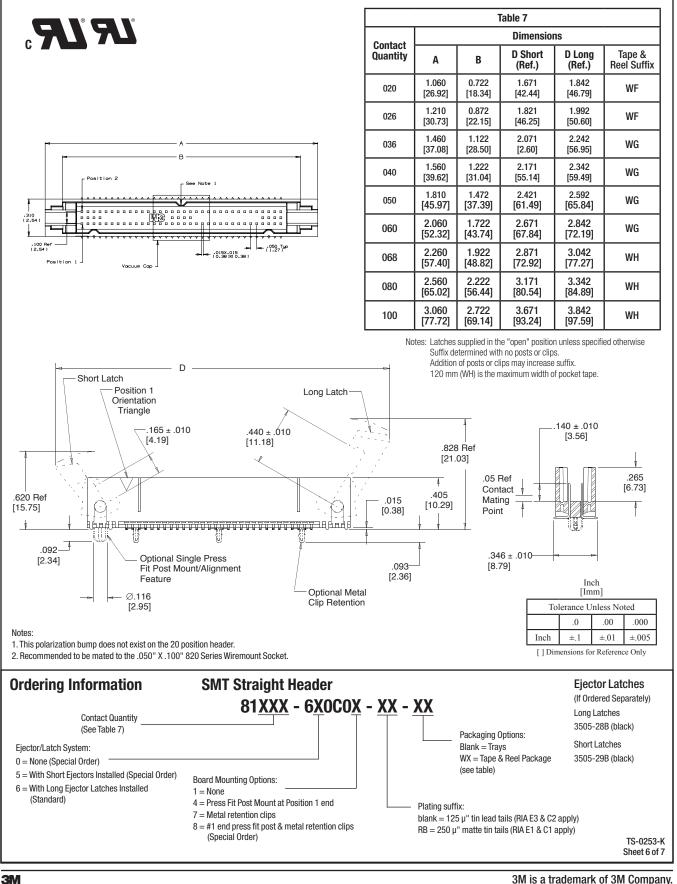
Table 6 .050 ± .002 Ø.025 ± .003 [0.64] [1.27] **Dimension E (Min) Ejector/Latches** .215 [5.46] None ⊕ .650 [16.51] Long .100 ± .002 Solder Thief Short .525 [13.34] [2.54] Solder Pads (See Note2) ŧ⊕ Đ .045 - .060 [1.14] - [1.52] .025 - .035 [0.64] - [0.89] *Solder Thief Solder Pads required only on Solder side of PC Board. View A — D ± .002 -.160 Min [4.06] 2X .205 ± .003 [5.21] .050 ± .003 [1.27] .050 ± .002 Typ [1.27] Tolerance Noncumulative .100 ± .002 Flow Solder [2.54] Direction () ÔÔ 66 П <u>(</u>]_()_¥€ e .225 Min [5.72] View A ŧ 00-.100 ± .002 [2.54] 2X Ø .109 ± .002 Ø.025 ± .003 Typ [2.77] [0.64] **Recommended Mounting Hole Pattern PTH Vertical Header** Inch (shown for mounting side of PC Board) [Imm] Tolerance Unless Noted .0 .00 .000 Inch $\pm.01$ $\pm .005$ $\pm.1$ [] Dimensions for Reference Only Note: 1. Recommended to process PC Boards through the solder bath such that the connector enters end first (two solder tails at a time). This will help prevent solder bridging. 2. A Solder Thief Solder Pad (Dummy Pad) at the end of each row is recommended on the bottom or solder side of the PC Board in order to help prevent solder bridging on the end solder tails. The Solder Thiefs are only required on the end of the rows which leave the solder bath last. TS-0253-K Sheet 5 of 7

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3MTM 4-Wall, Tripolarized Header .050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

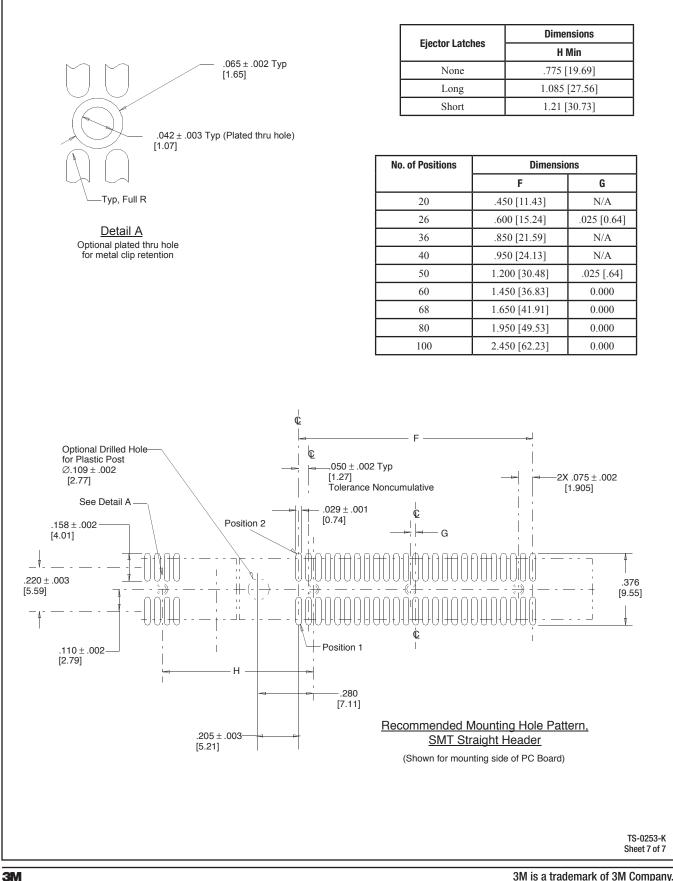
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