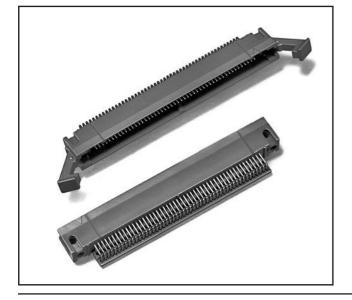
.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

810 Series



• Tripolarized for robust alignment when mating to 820 series socket

- 50 mil × 100 mil halves the connector length vs. traditional 100 mil x 100 mil products
- Latching Ejector for rugged high performance applications
- · Available for through hole or surfacemount attachment
- High temperature plastic for lead free surfacemount or Paste-in-Hole soldering methods
- Four-wall shroud provides contact protection
- Contacts: 20, 26, 36, 40, 50, 60, 68, 80 and 100
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information

Date Modified: April 2, 2013

TS-0253-K Sheet 1 of 7

Physical

Insul	lation:	
М	atorial	

Material:	High Temperature Plastic (LCP)
Flammability:	UL 94V-0
Color:	Black
Contact:	
Material:	Copper Alloy
Plating:	
Underplating:	100 µ" [2.54 mm] Nickel
Wiping Area:	30 µ" [0.76 mm] Gold
Solder Tails:	Matte Tin or Tin Lead (See Ordering Information)
Marking:	3M Logo, Part Number and Orientation Triangle
Mating Compatibility:	820 Series (TS-0254)

Electrical

Current Rating:	3.00 A, 1 Contact Powered 2.00 A, 4 Contacts Powered 0.75 A, All Contacts powered
Insulation Resistance: Withstanding Voltage:	

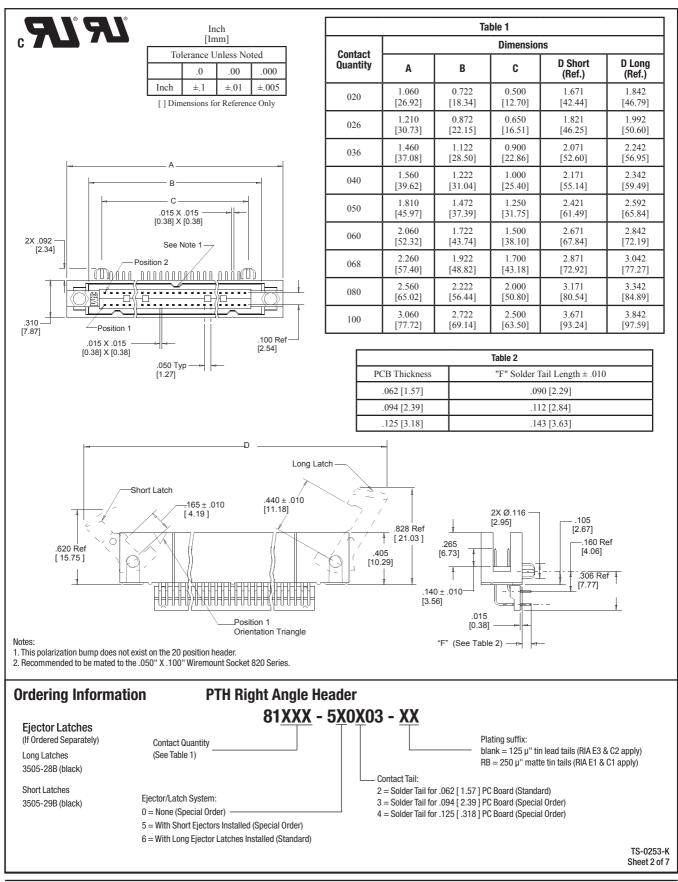
Environmental

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

UL File No.: E68080

.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

810 Series

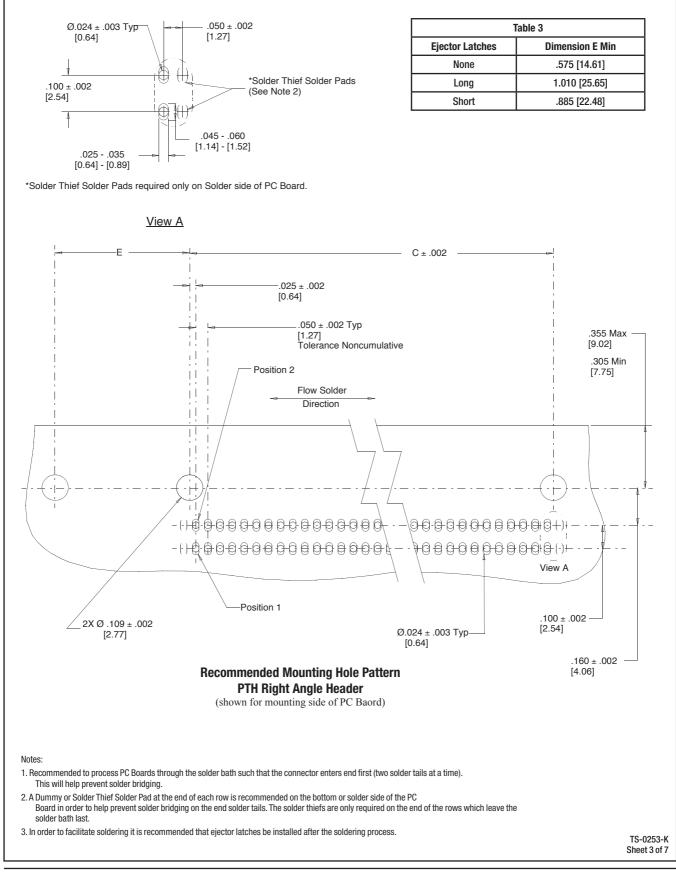


ЗМ

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

.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

810 Series

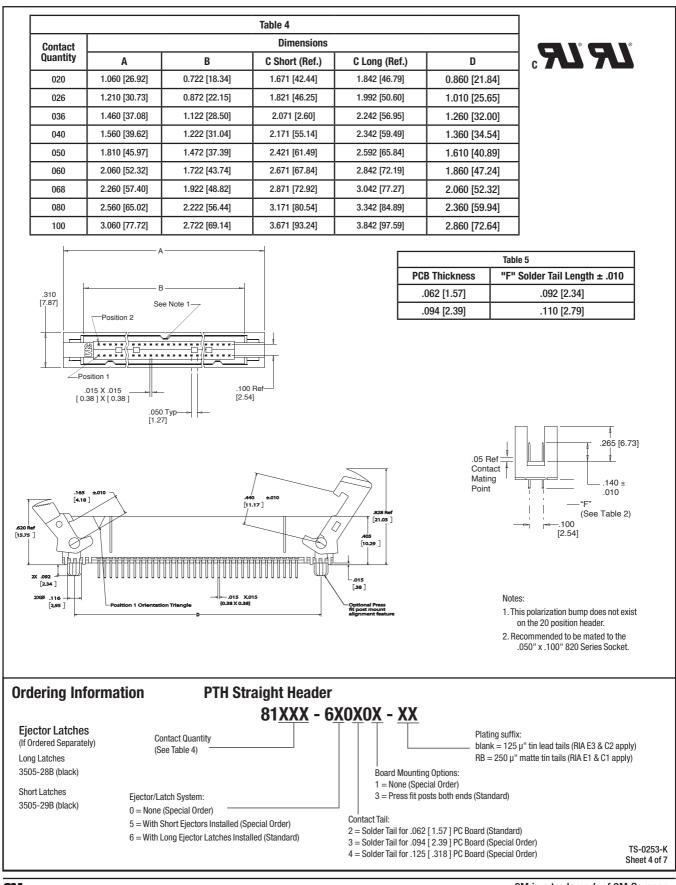


ЗМ

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

.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

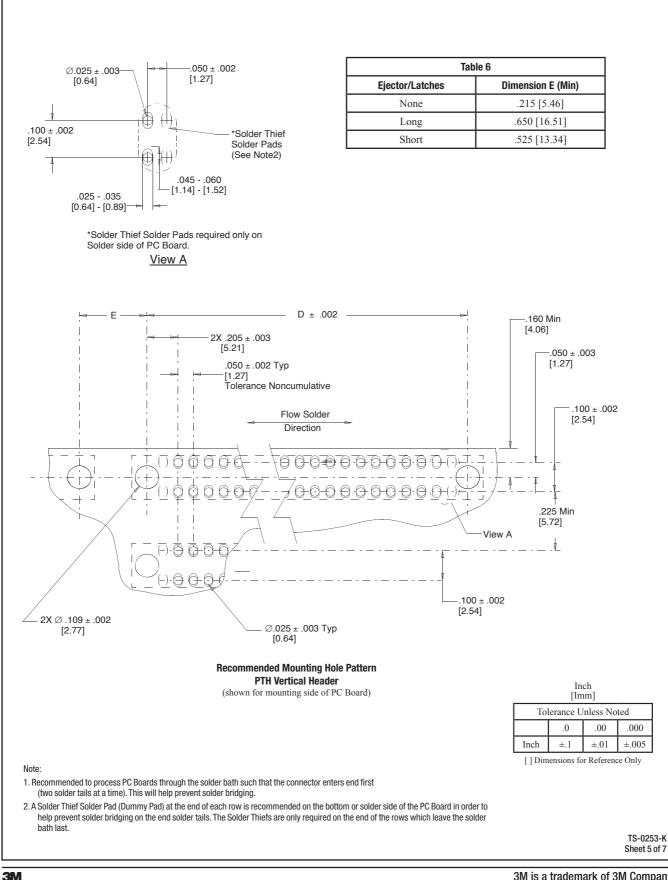
810 Series



ЗМ

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

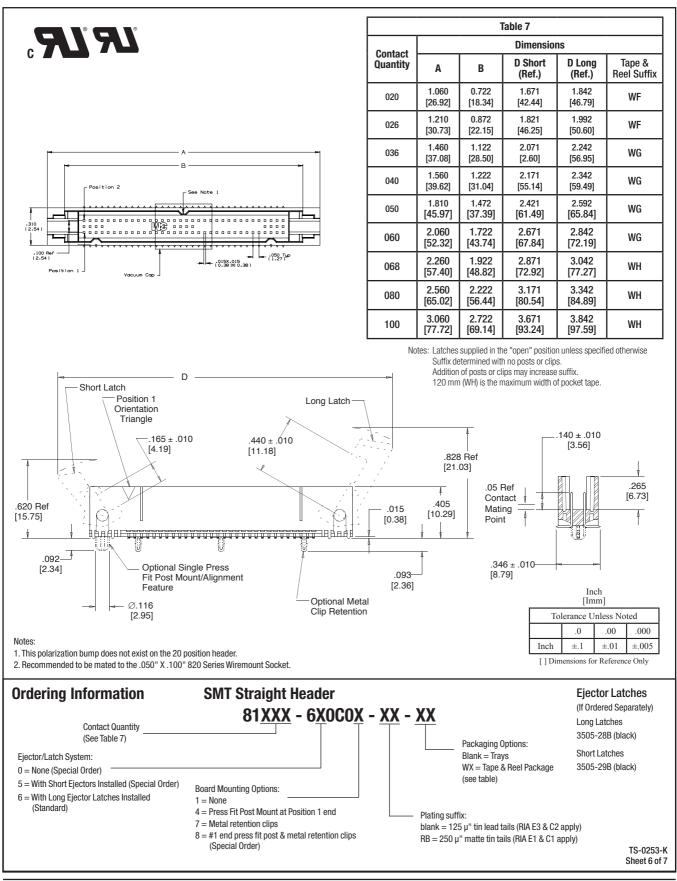
.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle



Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com 810 Series

.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

810 Series



ЗМ

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

.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

Dimensions **Ejector Latches** H Min .065 ± .002 Typ None .775 [19.69] [1.65] 1.085 [27.56] Long Short 1.21 [30.73] $.042 \pm .003$ Typ (Plated thru hole) [1.07] No. of Positions Dimensions F G Typ, Full R 20 .450 [11.43] N/A 26 .600 [15.24] .025 [0.64] Detail A .850 [21.59] 36 N/A Optional plated thru hole for metal clip retention 40 .950 [24.13] N/A 50 1.200 [30.48] .025 [.64] 1.450 [36.83] 0.000 60 68 1.650 [41.91] 0.000 1.950 [49.53] 80 0.000 100 2.450 [62.23] 0.000 Ć Optional Drilled Hole-C for Plastic Post .050 ± .002 Typ $\varnothing.109\pm.002$ [1.27] 2X .075 ± .002 [2.77] Tolerance Noncumulative [1.905] See Detail A .029 ± .001 [0.74] Position 2 .158 ± .002 G [4.01] н н .220 + .003 .376 [5.59] [9.55] ... 11 Position 1 .110 ± .002 [2.79] н —.280 [7.11] Recommended Mounting Hole Pattern, .205 ± .003 SMT Straight Header [5.21] (Shown for mounting side of PC Board) TS-0253-K Sheet 7 of 7

ЗМ

Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com 3M is a trademark of 3M Company. For technical, sales or ordering information call 800-225-5373

810 Series

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of ninety (90) days from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



3M Electronics Solutions Division 6801 River Place Blvd. Austin, TX 78726-9000 U.S.A. 1-800-225-5373 www.3Mconnectors.com

Please recycle. Printed in USA. © 3M 2012. All rights reserved. RIA-2217B-E

3M is a trademark of 3M Company.