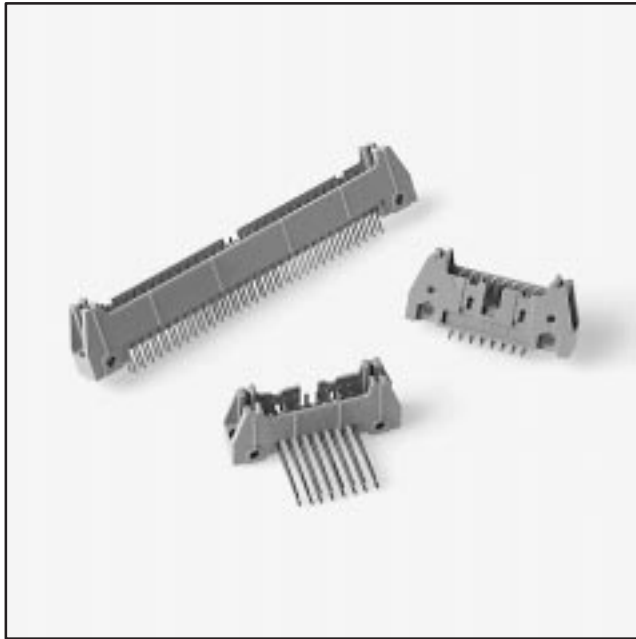


# .100" × .100" Latch/Ejector Header

4 Wall, Straight & Right Angle, High Temp Option



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## IMPORTANT NOTICE TO PURCHASER

ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE, BUT THE ACCURACY OR COMPLETENESS THEREOF IS NOT GUARANTEED, AND THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED:

SELLER'S AND MANUFACTURER'S ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVED TO BE DEFECTIVE. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. NO STATEMENT OR RECOMMENDATION NOT CONTAINED HEREIN SHALL HAVE ANY FORCE OR EFFECT UNLESS IN AN AGREEMENT SIGNED BY OFFICERS OR SELLER AND MANUFACTURER.

Date Issued: October 7, 1997

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Sheet 1 of 4

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Glass Filled Polyester (PCT — High Temp Option)  
Flammability: UL 94V-0  
Color: Gray, Standard  
Beige (High Temp Option)  
Marking: 3M Logo, Part Identification Number and Orientation Triangle

### Contact

Material: Copper Alloy  
Plating  
Underplate: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Wiping Area: Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: 200  $\mu$ " [ 5.08  $\mu$ m ] 60/40 Tin Lead — MIL-P-81728  
Wrap Tails: Gold Flash, Standard

## Electrical

**Current Rating:** 1 A  
**Insulation Resistance:**  $>1 \times 10^9 \Omega$  at 500 Vdc  
**Withstanding Voltage:** 1000 Vrms at Sea Level

## Environmental

**Temperature Rating:**  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$   
**High Temp Process Rating:** Maximum  $235^\circ\text{C}$ , with 90 seconds over  $215^\circ\text{C}$

UL File No.: E68080

### 3M Electronic Products Division

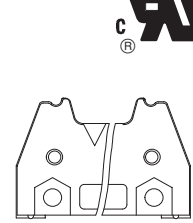
6801 River Place Blvd.  
Austin, TX 78726-9000

For technical, sales or ordering information call  
**800-225-5373**

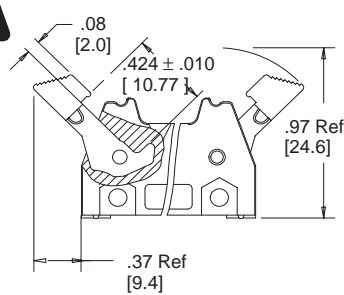
# .100" × .100" Latch/Ejector Header

## 4 Wall, Straight & Right Angle, High Temp Option

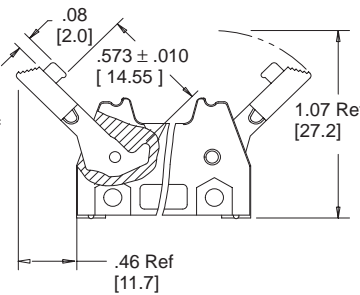
-X0XX  
Header with No  
Ejector/Latch



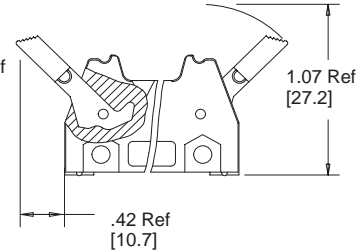
-X2XX  
-X5XX  
Header with  
Short Ejector/Latch  
for 3M Sockets without  
Strain Relief



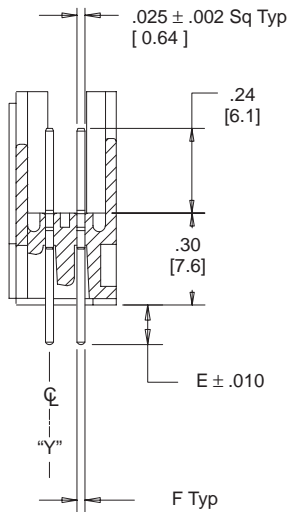
-X3XX  
-X6XX  
Header with  
Long Ejector/Latch  
for 3M Sockets with  
Strain Relief



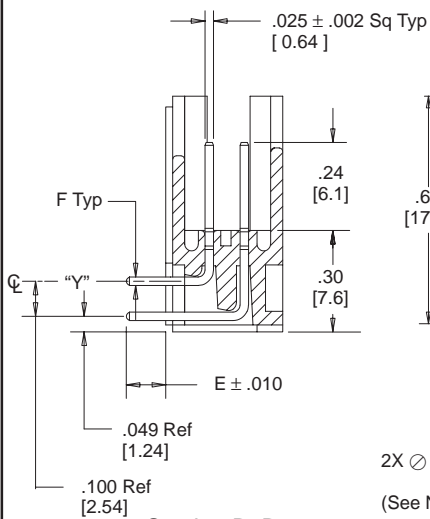
-X4XX  
Header with  
Ejector only



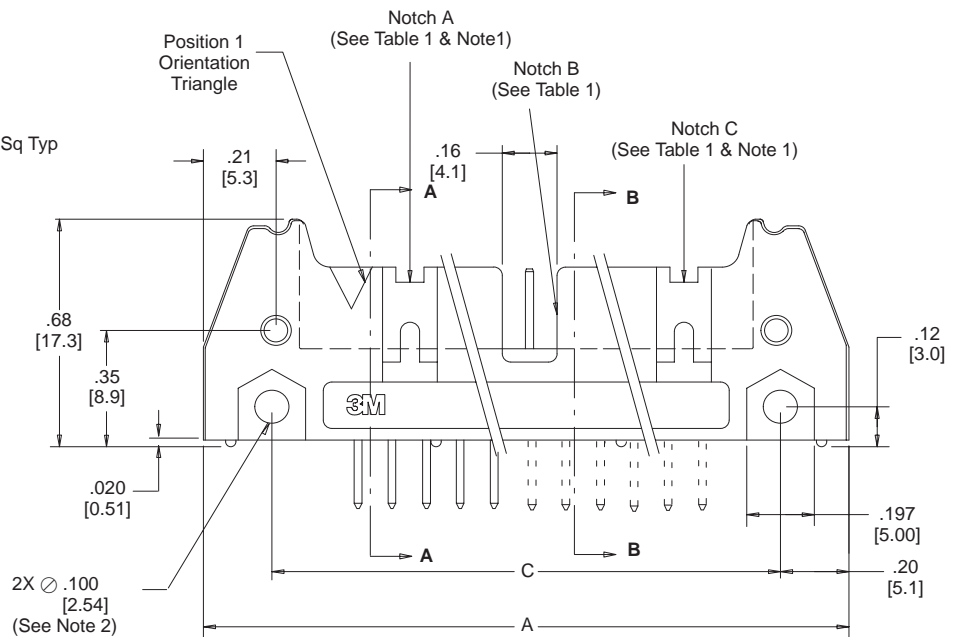
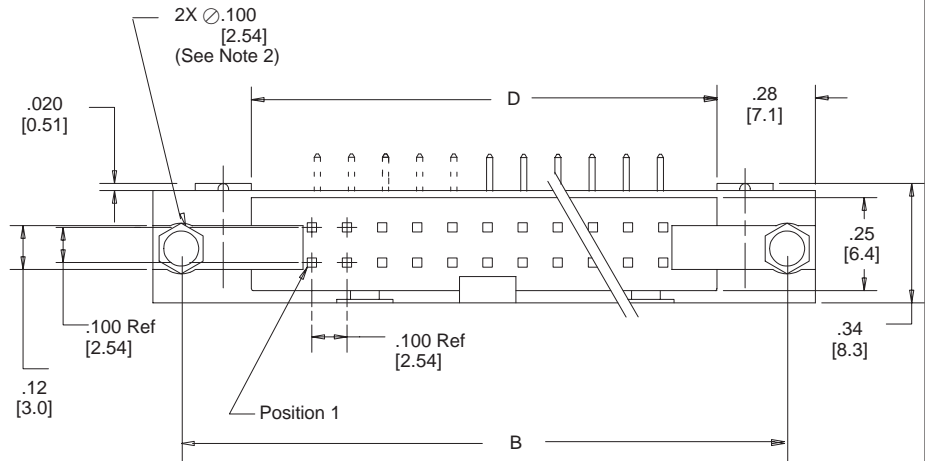
Note: This Ejector is a Nickel Plated Zinc Alloy Casting.



Section A-A  
(Straight)



Section B-B  
(Right Angle)



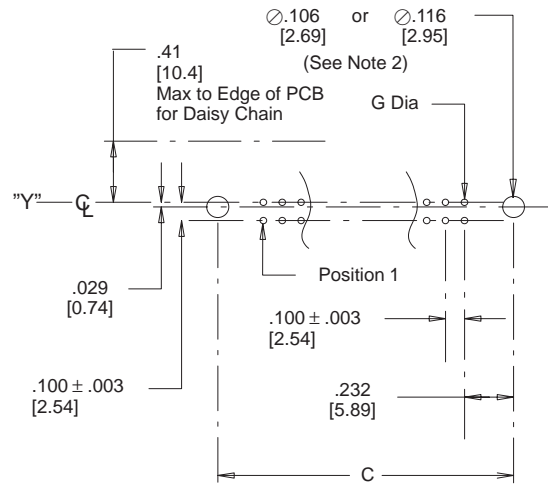
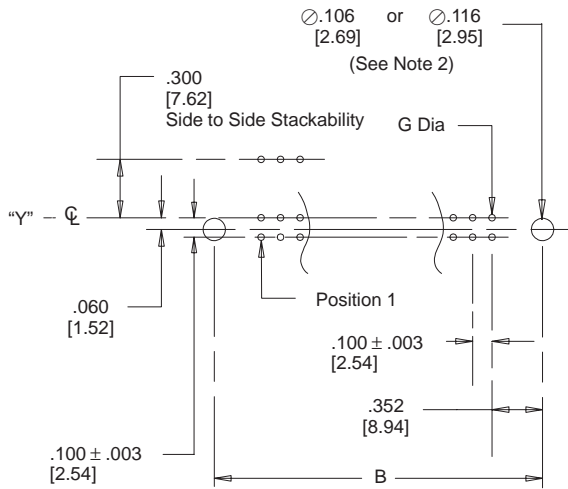
TS-0772-01  
Sheet 2 of 4

# .100" × .100" Latch/Ejector Header

## 4 Wall, Straight & Right Angle, High Temp Option

Pin Quantity	3M Part Number	Dimensions				Polarization Notches Provided
		A	B	C	D	
10	3793	1.26 [32.1]	1.105 [28.07]	.865 [21.97]	.71 [18.0]	B C
14	3314	1.46 [37.2]	1.305 [33.15]	1.065 [27.05]	.91 [23.1]	B C
16	3408	1.56 [39.7]	1.405 [35.69]	1.165 [29.59]	1.01 [25.6]	A B C
20	3428	1.76 [44.8]	1.605 [40.77]	1.365 [34.67]	1.21 [30.7]	A B C
24	3627	1.96 [49.8]	1.805 [45.85]	1.565 [39.75]	1.41 [35.8]	A B C
26	3429	2.06 [52.4]	1.905 [48.39]	1.665 [42.29]	1.51 [38.3]	A B C
30	3440	2.26 [57.4]	2.105 [53.47]	1.865 [47.37]	1.71 [43.43]	A B C
34	3431	2.46 [62.6]	2.305 [58.55]	2.065 [52.45]	1.91 [48.5]	A B C
40	3432	2.76 [70.2]	2.605 [66.17]	2.365 [60.07]	2.21 [56.1]	A B C
50	3433	3.26 [82.9]	3.105 [78.87]	2.865 [72.77]	2.71 [68.8]	A B C
60	3372	3.76 [95.6]	3.605 [91.57]	3.365 [85.47]	3.21 [81.5]	A B C
64	3764	3.96 [100.7]	3.805 [96.65]	3.565 [90.55]	3.41 [86.6]	A B C

3M Part Number Suffix	Contact Tail	Dimension E	Pin Cross Section			Dimension G
			Dimension F	Diagonals	Corner Radii	
-5XX2 -6XX2	Solder Tail for .062 [1.57] Thick PC Board	.112 [2.84]	0.0245 ± .0005 [0.622]	0.028 ± .001 [0.71]	0.0075 Ref [0.191]	.035 ± .003 [0.89] (See Note 3)
-5X03 -6X03	Solder Tail for .094 [2.39] to .125 [3.18] Thick PC Board	.155 [3.94]	0.0245 ± .0005 [0.622]	0.028 ± .001 [0.71]	0.0075 Ref [0.191]	.035 ± .003 [0.89]
-5X05 -6X05	Wire Wrap Tail for up to 3 Levels of Wire Wrap	.61 Ref [15.5]	0.0250 ± .002 [0.635]	0.035 ± .003 [0.90]	0.003 Max [0.08]	.045 ± .003 [1.14]



Recommended Mounting Hole Pattern (Straight)

Recommended Mounting Hole Pattern (Right Angle)

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

Notes:

- Notches A & C will accommodate 3M Polarizing Keys (3M Part #N3518).
- Accepts Rear and Front mounting hardware:  
Rear Entry: #4-24 thread cutting screw, 3M Part #3341-5, .116 [2.95] dia mounting hole  
Front Entry: (Prior to installation of latch on Straight Versions) #2-56 bolt and nut, 3M Part #3341-6, .106 [2.69] dia mounting hole
- The recommended PCB hole size for the kinked tail positions on the .112 solder tail connector is .035 ± .002.

[ ] Dimensions for Reference only

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Sheet 3 of 4

### 3M Electronic Products Division

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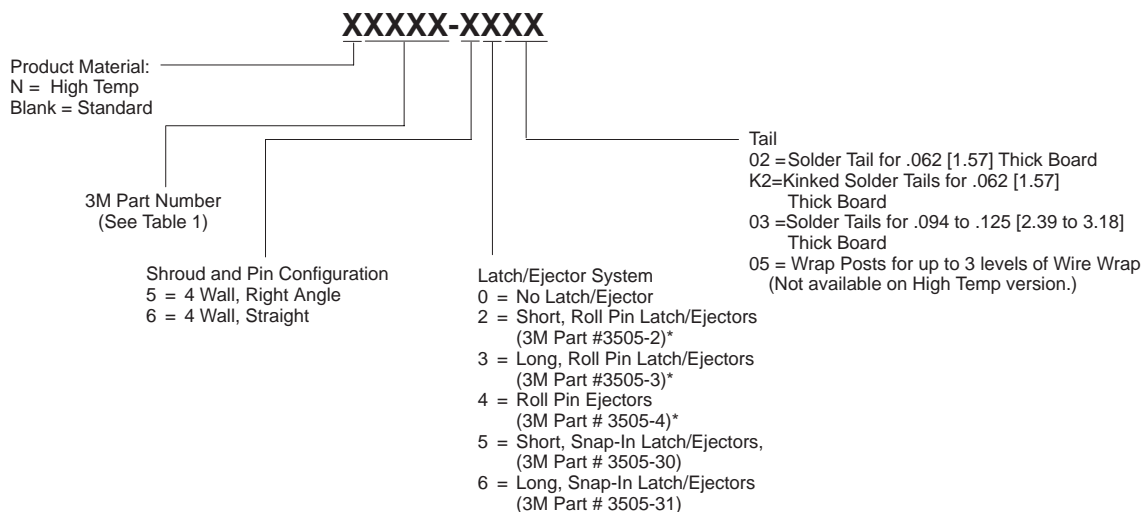
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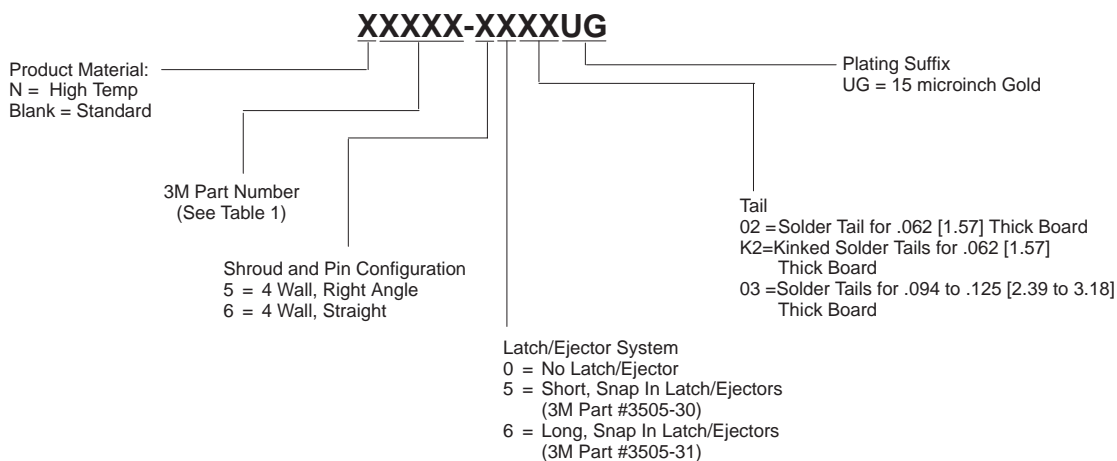
## 4 Wall, Straight & Right Angle, High Temp Option

### Ordering Information

#### 30 Microinches Gold Plated Product



#### 15 Microinches Gold Plated Product



\* Roll pin Latch/Ejector available only on standard version.