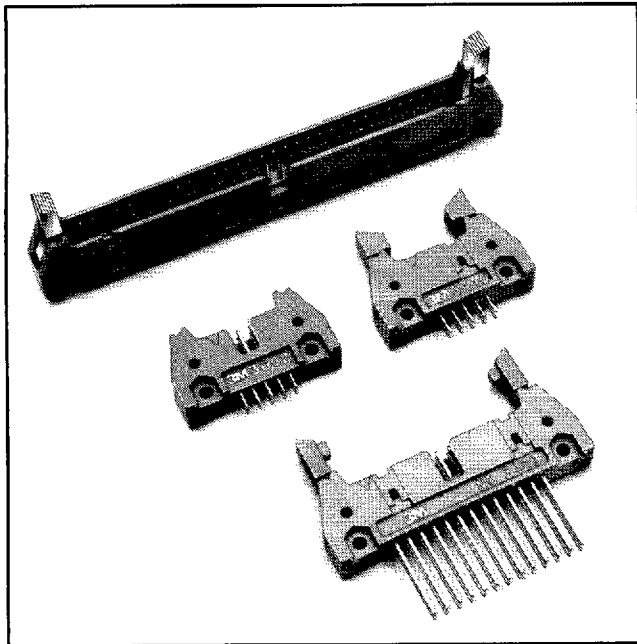


# .100" x .100" Latch/Ejector Header

Straight, 4 Wall



- Optional ejector latches
- Mounting holes for securing header to board
- Shrouded to prevent against physical and chemical pin damage
- Solder tail and wrap tail options

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TS-0159-09  
Sheet 1 of 4

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Flammability: UL 94V-0  
Color: Gray

### Contact

Material: Phosphor Bronze (C510)  
Plating  
Underplate: 100  $\mu$ " [ 2.54  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ m ] 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  
Marking: 3M Logo, Part Identification Number and Orientation Triangle

## 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  $+105^\circ\text{C}$

UL File No.: E68080  
CSA File No.: LR 40971

3M Electronic Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000

9005413 0000217 155

# .100" x .100" Latch/Ejector Header

Straight, 4 Wall

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| Pin Qty | 3M Part Number | Dimensions |        |         |      |         |      | Polarization Notches Provided |       |
|---------|----------------|------------|--------|---------|------|---------|------|-------------------------------|-------|
|         |                | A          | B      | C       | D    |         | H    |                               |       |
| 10      | 3446-60XX      | 1.26       | .71    | 1.105   | 2.00 | [50.8]  | .90  | [22.9]                        | C     |
|         | -62XX          | [32.0]     | [18.0] | [28.07] | 2.18 | [55.4]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.10 | [53.3]  | 1.00 | [25.4]                        |       |
| 10      | 3662-60XX      | 1.26       | .71    | 1.105   | 2.00 | [50.8]  | .90  | [22.9]                        | B     |
|         | -62XX          | [32.0]     | [18.0] | [28.07] | 2.18 | [55.4]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.10 | [53.3]  | 1.00 | [25.4]                        |       |
| 14      | 3314-60XX      | 1.46       | .91    | 1.305   | 2.20 | [55.9]  | .90  | [22.9]                        | B C   |
|         | -62XX          | [37.1]     | [23.1] | [33.15] | 2.38 | [60.5]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.30 | [58.4]  | 1.00 | [25.4]                        |       |
| 16      | 3408-60XX      | 1.56       | 1.01   | 1.405   | 2.30 | [58.4]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [39.6]     | [25.7] | [35.69] | 2.48 | [63.0]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.40 | [61.0]  | 1.00 | [25.4]                        |       |
| 20      | 3428-60XX      | 1.76       | 1.21   | 1.605   | 2.50 | [63.5]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [44.7]     | [30.7] | [40.77] | 2.68 | [68.1]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.60 | [66.0]  | 1.00 | [25.4]                        |       |
| 24      | 3627-60XX      | 1.96       | 1.41   | 1.805   | 2.70 | [68.6]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [49.8]     | [35.8] | [45.85] | 2.88 | [73.2]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.80 | [71.1]  | 1.00 | [25.4]                        |       |
| 26      | 3429-60XX      | 2.06       | 1.51   | 1.905   | 2.80 | [71.1]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [52.3]     | [38.4] | [48.39] | 2.98 | [75.7]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 2.90 | [73.7]  | 1.00 | [25.4]                        |       |
| 30      | 3440-60XX      | 2.26       | 1.71   | 2.105   | 3.00 | [76.2]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [57.4]     | [43.4] | [53.47] | 3.18 | [80.8]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 3.10 | [78.7]  | 1.00 | [25.4]                        |       |
| 34      | 3431-60XX      | 2.46       | 1.91   | 2.305   | 3.20 | [81.3]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [62.5]     | [48.5] | [58.55] | 3.38 | [85.9]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 3.30 | [83.8]  | 1.00 | [25.4]                        |       |
| 40      | 3432-60XX      | 2.76       | 2.21   | 2.605   | 3.50 | [88.9]  | .90  | [22.9]                        | A B C |
|         | -62XX          | [70.1]     | [56.1] | [66.17] | 3.68 | [93.5]  | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 3.60 | [91.4]  | 1.00 | [25.4]                        |       |
| 50      | 3433-60XX      | 3.26       | 2.71   | 3.105   | 4.00 | [101.6] | .90  | [22.9]                        | A B C |
|         | -62XX          | [82.8]     | [68.8] | [78.87] | 4.18 | [106.2] | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 4.10 | [104.1] | 1.00 | [25.4]                        |       |
| 60      | 3372-60XX      | 3.76       | 3.21   | 3.605   | 4.50 | [114.3] | .90  | [22.9]                        | A B C |
|         | -62XX          | [95.5]     | [81.5] | [91.57] | 4.68 | [118.9] | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 4.60 | [116.8] | 1.00 | [25.4]                        |       |
| 64      | 3764-60XX      | 3.96       | 3.41   | 3.805   | 4.70 | [119.4] | .90  | [22.9]                        | A B C |
|         | -62XX          | [100.7]    | [86.6] | [96.65] | 4.88 | [124.0] | 1.08 | [27.4]                        |       |
|         | -63XX          |            |        |         | 4.80 | [121.9] | 1.00 | [25.4]                        |       |

| 3M Part No. Suffix | Contact Tail   | Dim E            | Dim F   | Dim G                         |
|--------------------|--|------------------|---|-------------------------------|
| -6XX2              | Solder Tail for .062 [ 1.57 ] Thick PC Board                 | .112 [ 2.84 ]    | .0245 ± .0005 with .028 ± .001 [ 0.71 ] Diagonals | .035 ± .003 [ 0.89 ] (Note 3) |
| -6X03              | Solder Tail for .094 to .125 [ 2.39 to 3.18 ] Thick PC Board | .155 [ 3.94 ]    | .0245 ± .0005 with .028 ± .001 [ 0.71 ] Diagonals | .035 ± .003 [ 0.89 ]          |
| -6X05              | Wire Wrap Tail for up to 3 Levels of Wire Wrap               | .61 [ 15.5 ] Ref | .025 ± .002 [ 0.64 ]                              | .045 ± .003 [ 1.14 ]          |

**Notes:**

- Notches A & C will accommodate 3M Polarizing Keys (3M Part Number 3518 or M3518).
- Accepts rear and front entry: mounting hardware: #4-24 thread cutting screw, 3M Part #3341-5 (.116 [ 2.95 ] dia mounting hole). Frong Entry (prior to installation of Latch): #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.

Inch  
[mm]

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

[ ] Dimensions for Reference Only

## Ordering Information

XXXX-6XXX

3M Part Number

Ejector/Latch System

- 0 = No Ejector/Latch
- 2 = Short Ejector/Latch (when non-strain relief socket is used.)
- 3 = Long Ejector/Latch (when socket with strain relief is used.)
- 4 = Ejector Only

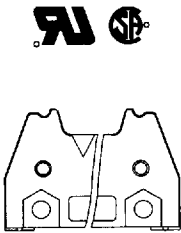
Tail

- 02 = Solder Tails for .062 [ 1.57 ] Thick Board.
- K2 = Kinked Solder Tails for .062 [ 1.57 ] Thick Board.
- 03 = Solder Tails for .094 to .125 [ 2.39 to 3.18 ] Thick Board.
- 05 = Wrap Tails for up to 3 Levels of Wire Wrap.

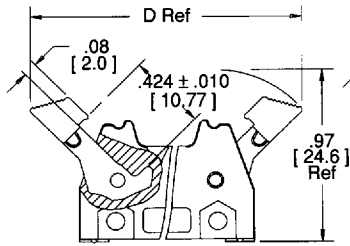
# .100" x .100" Latch/Ejector Header

Straight, 4 Wall

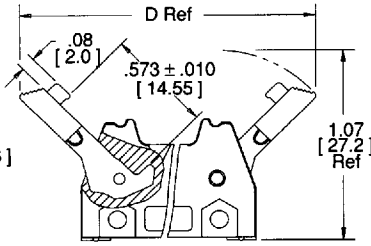
-60XX  
Header With  
No Ejector/Latch



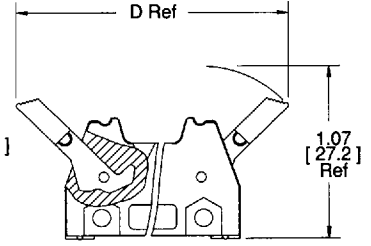
-62XX  
Header With  
Short Ejector/Latch  
(3M Part No. 3505-2)  
for 3M Sockets Without  
Strain Relief



-63XX  
Header With  
Long Ejector/Latch  
(3M Part No. 3505-3)  
for 3M Sockets With  
Strain Relief

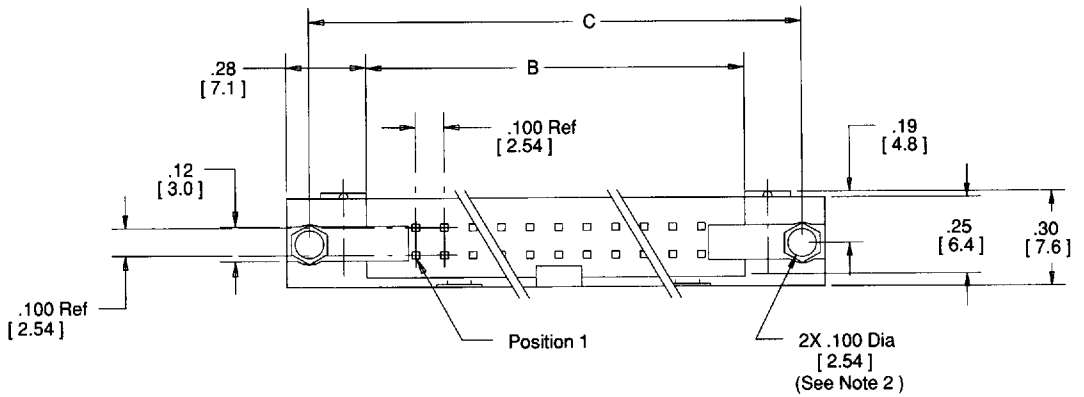


-64XX  
Header With  
Ejector Only  
(3M Part No. 3505-4)

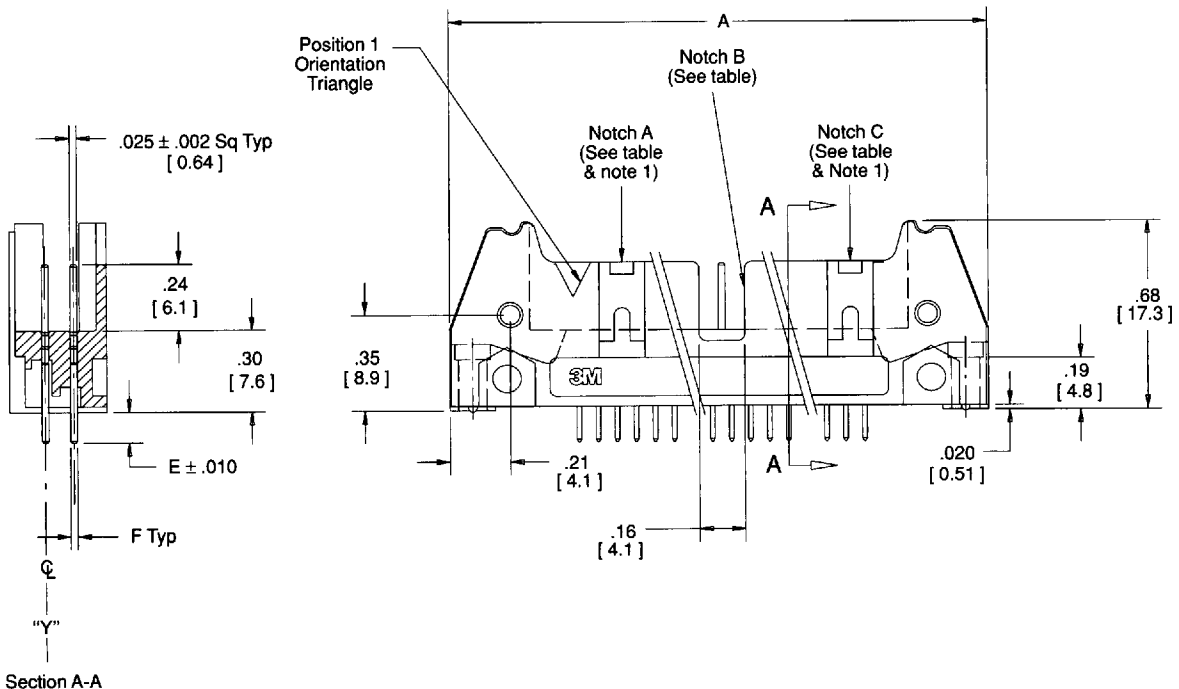


Note - This Ejector  
is a Nickel Plated  
Zinc Alloy Casting.

Sheet 3 of 4



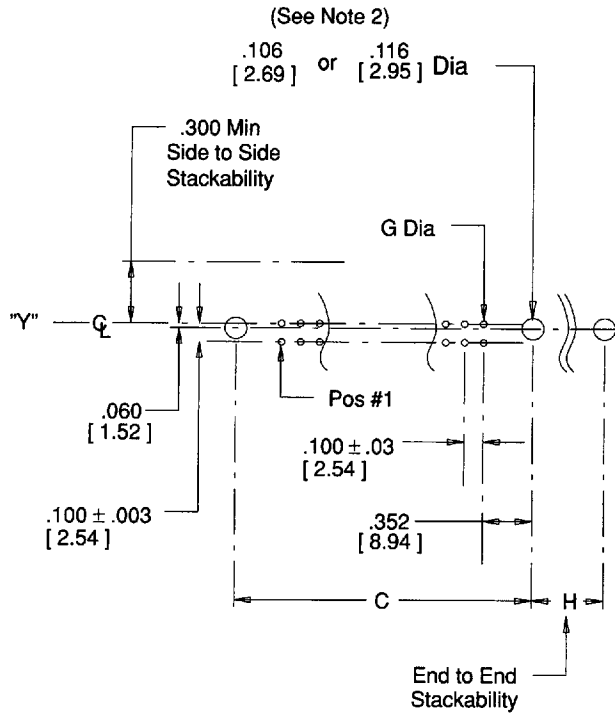
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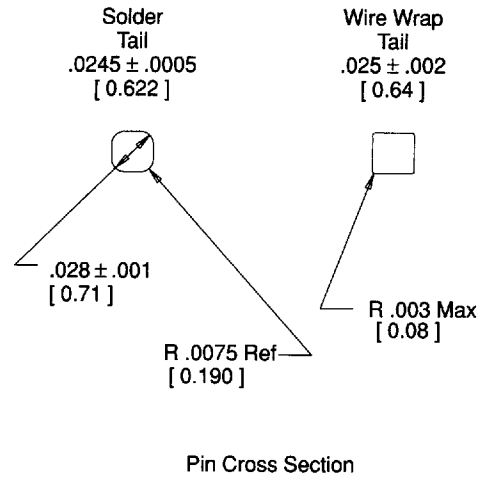
# .100" x .100" Latch/Ejector Header

Straight, 4 Wall

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Recommended Mounting Hold Pattern



TS-0159-09