.100” × .100” Latch/Ejector Header
4 Wall, Straight & Right Angle, High Temp Option

- Military (with 3M’s 3518 polarizing key) and centerbump polarization
- Optional ejector latches
- Mounting holes for securing header to board
- Solder tail and wrap tail options
- Optional polarizing posts
- Choice of rolled pin and snap-in latches
- High temperature option

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 µ” [2.54 µm] Nickel — QQ-N-290, Class 2
- Wiping Area: Gold — MIL-G-45204, Type II, Grade C
- Solder Tails: 200 µ” [5.08 µm] 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°C, with 90 seconds over 215°C

UL File No.: E68080

3M Electronic Products Division
6801 River Place Blvd.
Austin, TX 78726-9000
.100" × .100" Latch/Ejector Header
4 Wall, Straight & Right Angle, High Temp Option

Note: This Ejector is a Nickel Plated Zinc Alloy Casting.
## Table 1

<table>
<thead>
<tr>
<th>Pin Quantity</th>
<th>3M Part Number</th>
<th>Dimensions</th>
<th>Polarization Notches Provided</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>14</td>
<td>3314</td>
<td>1.46 [37.2]</td>
<td>1.305 [33.15]</td>
</tr>
<tr>
<td>20</td>
<td>3428</td>
<td>1.76 [44.8]</td>
<td>1.605 [40.77]</td>
</tr>
<tr>
<td>30</td>
<td>3440</td>
<td>2.26 [57.4]</td>
<td>2.105 [53.47]</td>
</tr>
<tr>
<td>34</td>
<td>3431</td>
<td>2.46 [62.6]</td>
<td>2.305 [58.55]</td>
</tr>
<tr>
<td>40</td>
<td>3343</td>
<td>3.16 [79.9]</td>
<td>3.005 [75.42]</td>
</tr>
<tr>
<td>64</td>
<td>3764</td>
<td>3.96 [100.7]</td>
<td>3.805 [96.65]</td>
</tr>
</tbody>
</table>

## Table 2

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

### Recommended Mounting Hole Pattern

- **(Straight)**
  - Position 1: 0.100 ± 0.003 [2.54]
  - B: 0.35 [8.94]
  - .060 [1.52]
  - .100 ± 0.003 [2.54]

- **(Right Angle)**
  - Position 1: 0.100 ± 0.003 [2.54]
  - C: 0.232 [5.89]

### Notes:
1. Notches A & C will accommodate 3M Polarizing Keys (3M Part #N3518).
2. 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
3. The recommended PCB hole size for the kinked tail positions on the .112 solder tail connector is .035 ± .002.
.100" × .100" Latch/Ejector Header
4 Wall, Straight & Right Angle, High Temp Option

Ordering Information

30 Microinches Gold Plated Product

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<th>3M Part Number (See Table 1)</th>
</tr>
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<tbody>
<tr>
<td>XXXX-XXXX</td>
</tr>
</tbody>
</table>

Product Material:
N = High Temp
Blank = Standard

Shroud and Pin Configuration
5 = 4 Wall, Right Angle
6 = 4 Wall, Straight

Latch/Ejector System
0 = No Latch/Ejector
2 = Short, Roll Pin Latch/Ejectors (3M Part #3505-2)*
3 = Long, Roll Pin Latch/Ejectors (3M Part #3505-3)*
4 = Roll Pin Ejectors (3M Part #3505-4)*
5 = Short, Snap-In Latch/Ejectors (3M Part #3505-30)
6 = Long, Snap-In Latch/Ejectors (3M Part #3505-31)

Tail
02 = Solder Tail for .062 [1.57] Thick Board
03 = Solder Tails for .094 to .125 [2.39 to 3.18] Thick Board
05 = Wrap Posts for up to 3 levels of Wire Wrap (Not available on High Temp version.)

15 Microinches Gold Plated Product

<table>
<thead>
<tr>
<th>3M Part Number (See Table 1)</th>
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<tbody>
<tr>
<td>XXXX-XXXXUG</td>
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</table>

Product Material:
N = High Temp
Blank = Standard

Shroud and Pin Configuration
5 = 4 Wall, Right Angle
6 = 4 Wall, Straight

Latch/Ejector System
0 = No Latch/Ejector
5 = Short, Snap-In Latch/Ejectors (3M Part #3505-30)
6 = Long, Snap-In Latch/Ejectors (3M Part #3505-31)

Tail
02 = Solder Tail for .062 [1.57] Thick Board
03 = Solder Tails for .094 to .125 [2.39 to 3.18] Thick Board

Plating Suffix
UG = 15 microinch Gold

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