.100" × .100" Latch/Ejector Header
4 Wall, Straight & Right Angle, High Temp 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 × 10⁹ Ω at 500 Vdc
Withstanding Voltage: 1000 Vrms at Sea Level

Environmental

Temperature Rating: −55°C to +105°C
High Temp Process Rating: Maximum 235°C, with 90 seconds over 215°C

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:

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Date Issued: October 7, 1997

TS-0772-01
Sheet 1 of 4
.100” × .100” Latch/Ejector Header
4 Wall, Straight & Right Angle, High Temp Option

-X0XX
Header with No Ejector/Latch

-X2XX
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)

Notch A
(See Table 1 & Note 1)

Notch B
(See Table 1)

Notch C
(See Table 1 & Note 1)

TS-0772-01
Sheet 2 of 4
.100” × .100” Latch/Ejector Header
4 Wall, Straight & Right Angle, High Temp Option

Table 1

<table>
<thead>
<tr>
<th>Pin Quantity</th>
<th>3M Part Number</th>
<th>Dimensions</th>
<th>Polarization</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>3432</td>
<td>2.76 [70.2]</td>
<td>2.605 [66.17]</td>
</tr>
<tr>
<td>50</td>
<td>3433</td>
<td>3.26 [82.9]</td>
<td>3.105 [78.87]</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>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 ± 0.0005 [0.0622]</td>
<td>0.0075 Ref [0.191]</td>
<td>.035 ± 0.003 [0.089] (See Note 3)</td>
</tr>
<tr>
<td>-5X03</td>
<td>Solder Tail for .094 [2.39] to .125 [3.18] Thick PC Board</td>
<td>.155 [3.94]</td>
<td>0.0245 ± 0.0005 [0.0622]</td>
<td>0.0075 Ref [0.191]</td>
<td>.035 ± 0.003 [0.089]</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 ± 0.002 [0.0635]</td>
<td>0.003 Max [0.08]</td>
<td>.045 ± 0.003 [1.14]</td>
</tr>
</tbody>
</table>

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.

Recommended Mounting Hole Pattern

Inch [mm]

Tolerance Unless Noted

.0 ± .00 .005

<table>
<thead>
<tr>
<th>Dimensions for Reference only</th>
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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

Ordering Information

30 Microinches Gold Plated Product

| XXXXX-XXXX | 15 Microinches Gold Plated Product

Product Material:
N = High Temp
Blank = Standard

3M Part Number
(See Table 1)

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
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 Posts for up to 3 levels of Wire Wrap
(Not available on High Temp version.)

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

Plating Suffix
UG = 15 microinch Gold

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