.050” × .100” Tripolarized, Latch/Ejector Header
Right Angle, 4 Wall, 4 Rows of Solder Tails

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: May 28, 1997
TS-0334-09
Sheet 1 of 3

Physical

Insulation
- Material: High Temperature Plastic (LCP)
- Flammability: UL 94V-0
- Color: Ivory (Natural)
- Marking: 3M Logo, Part Number Identification and Orientation Triangle

Contact
- Material: Copper Alloy
- Plating
  - Underplate: 100 µ” [ 2.54 µm ] Nickel — QQ-N-290, Class 2
  - Wiping Area: 30 µ” [ 0.76 µm ] Gold — MIL-G-45204, Type II, Grade C
  - Solder Tails: 100 µ” [ 2.54 µm ] 90/10 Tin Lead

Electrical

- Current Rating: 0.5 A
- Insulation Resistance: > 1 × 10^9 Ω at 500 Vdc
- Withstanding Voltage: 500 Vrms at Sea Level

Environmental

- Temperature Rating: -55°C to +105°C
- Process Rating: 250°C @ 90 seconds

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
Table 1

<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>Dimensions</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>D Ref</th>
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<tbody>
<tr>
<td>050</td>
<td>1.810 [45.97]</td>
<td>1.480 [37.08]</td>
<td>1.250 [31.75]</td>
<td>2.67</td>
<td></td>
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<tr>
<td>060</td>
<td>2.060 [52.32]</td>
<td>1.710 [43.43]</td>
<td>1.500 [38.10]</td>
<td>2.92</td>
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<tr>
<td>080</td>
<td>2.560 [65.02]</td>
<td>2.210 [56.13]</td>
<td>2.000 [50.80]</td>
<td>3.42</td>
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<tr>
<td>100</td>
<td>3.060 [77.72]</td>
<td>2.710 [68.83]</td>
<td>2.500 [63.50]</td>
<td>3.92</td>
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</tbody>
</table>

Notes:
1. This polarization bump does not exist on the 20 position header.
2. Recommended to be mated to the .050” X .100” 82XXX Series Wiremount Socket.

Ordering Information

Header
81XXX–MX0203

Ejector Latch
3505-28 (Long)
3505-29 (Short)
.050” × .100” Tripolarized, Latch/Ejector Header
Right Angle, 4 Wall, 4 Rows of Solder Tails

Table 2

<table>
<thead>
<tr>
<th>Ejector Latches</th>
<th>Dimension E Min</th>
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<tr>
<td>No</td>
<td>.575 [14.6]</td>
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<tr>
<td>Short</td>
<td>.885 [22.48]</td>
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<tr>
<td>Long</td>
<td>1.010 [25.6]</td>
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Notes:
1. In order to facilitate flow soldering, it is recommended that ejector latches be installed after the soldering process.