3M™ Pak 100 L/E Pinless Header

.100” × .100” Straight, 4-Wall

3000 Series

- Optional ejector latches
- Shrouded to minimize physical and chemical pin damage
- Special holes secure pinless header to back panel
- Mounting holes to further secure header to board
- Stand-off height allows for one layer wire wrap
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information

Date Modified: May 22, 2012

TS-0161-B
Sheet 1 of 5

Physical

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

Marking: 3M Logo, Part Identification Number and Orientation Triangle

UL File No.: E68080

*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following proposed maximum concentration values in any homogeneous material (unless exempt under RoHS): (a) 0.1% (by weight) for each of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium.
### Table 1

<table>
<thead>
<tr>
<th>Pin Quantity</th>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>6420</td>
<td>1.76</td>
<td>1.605</td>
<td>1.21</td>
</tr>
<tr>
<td>26</td>
<td>6426</td>
<td>2.06</td>
<td>1.905</td>
<td>1.51</td>
</tr>
<tr>
<td>34</td>
<td>6434</td>
<td>2.46</td>
<td>2.305</td>
<td>1.91</td>
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<tr>
<td>40</td>
<td>6440</td>
<td>2.76</td>
<td>2.605</td>
<td>2.21</td>
</tr>
<tr>
<td>50</td>
<td>6450</td>
<td>3.26</td>
<td>3.105</td>
<td>2.71</td>
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</tbody>
</table>

-9300 Header with Long Ejector/Latch for 3M Sockets with Strain Relief

-9000 Header with No Ejector/Latch for 3M Sockets without Strain Relief

-9200 Header with Short Ejector/Latch for 3M Sockets with Strain Relief

-9400 Header with Ejector Only

Note: This Ejector is a Nickel plated Zinc Alloy casting.

#### 64XX

-8X .031 ± .002 [.79] (See Note 1 & 2 )

-2X .100 [.254] (See Note 3)

### Section A-A

See Note 1

8X .08 [.20]

See Note 2

.37 Ref [9.4]

.46 Ref [11.7]

.42 Ref [10.7]

-9200 Header with Short Ejector/Latch for 3M Sockets without Strain Relief

-9300 Header with Long Ejector/Latch for 3M Sockets with Strain Relief

-9400 Header with Ejector Only

Note: This Ejector is a Nickel plated Zinc Alloy casting.
Table 1

<table>
<thead>
<tr>
<th>3M Part Number Suffix</th>
<th>Dimension H</th>
</tr>
</thead>
<tbody>
<tr>
<td>-9000</td>
<td>0.86 [21.8]</td>
</tr>
<tr>
<td>-9200</td>
<td>1.60 [40.6]</td>
</tr>
<tr>
<td>-9300</td>
<td>1.78 [45.2]</td>
</tr>
<tr>
<td>-9400</td>
<td>1.70 [43.2]</td>
</tr>
</tbody>
</table>

Notes:
1. Accepts .025 ± .001 sq pins.
2. Four smaller holes at each end used for retention.
3. Accepts Rear and Front entry mounting hardware:
   Rear entry: #4-24 thread cutting screw
   3M Part # 3341-5
   (Ø .116 [2.95] mounting hole)
   Front entry (Prior to installation of Latch): #2-56 bolt and nut
   (Ø .106 [2.69] mounting hole)
4. These polarization notches will accomodate 3M Polarization Keys 3518.

Backplane Pin Field Recommendations

- .106 or .116 Typ [2.69] [2.95]
  (See Note 3)

- .100 Typ [2.54]

- .100 Typ [2.54]

- .300 [7.62]

- .300 [7.62]

- .025 ± .001 Square [0.64]

- .580 ± .010 [14.73] (For Flush Mounting)

Ordering Information

64XX-9X00

Pin Quantity:
(See Table 1)

Latch/Ejector System
0= No Latch/Ejectors
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)

Inch
Tolerance Unless Noted

<table>
<thead>
<tr>
<th>Inch</th>
<th>.0</th>
<th>.00</th>
<th>.000</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>.1</td>
<td>.01</td>
<td>.005</td>
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</tbody>
</table>

Dimensions for Reference only
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3000 Series

Polarizing Post

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>3201-3</td>
<td>PBT</td>
<td>Gray</td>
</tr>
<tr>
<td>3201-4</td>
<td>LCP</td>
<td>Black</td>
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</table>

.100 Dia [2.54]

Note: Insert Post into one mounting hardware hole on bottom of header. Set post to protrude .115” [2.92]

Polarizing Keys

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>N3518</td>
<td>LCP</td>
<td>Black</td>
</tr>
<tr>
<td>3518</td>
<td>PBT</td>
<td>Gray</td>
</tr>
</tbody>
</table>

Dim A

Breakaway Tab

Note: #2216 B/A Scotchweld can be used to adhere keys.

Mounting Hardware

Panhead Thread Cutting Screw: #4-24 X 5/16”
Type: USA Std BT, Federal BG

Hex Head Bolt, Nut and Washer Bolt - #2-56 X 1/2”

3341-5 & 6
Material - Stainless Steel

Not for use with Condo headers.
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