3M™ Pak 100 Wiremount Plug

.100” × .100”

4600 Series

- Shrouded to protect against physical and chemical pin damage
- Open or closed end covers available
- Optional ejector latches
- Accepts flat cable or discrete wire
- Military (with 3518 polarizing key) and centerbump polarization available
- Optional mounting flanges
- RoHS* compliant

Date Modified: February 28, 2005

TS-0086-15
Sheet 1 of 4

Physical

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

Contact
- Material: Copper Alloy

Plating:
- Underplating and U-Slot: 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

Wire Accommodation: 26 & 28 AWG Solid & Stranded

Marking: 3M Logo, Part Identification Number, and Contact Position Numbers

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 +120°C

UL File No.: E68080

*RoHS = Directive 2002/95/EC,
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
3M™ Pak 100 Wiremount Plug

.100” × .100”

4600 Series

Ordering Information

46XX-XXXX

Strain Relief
(Order Separately)
3448-46XX

Cover Style
6 = Open End (Daisy Chaining/Bussing)
7 = Closed End (End Cable Termination)

Ejector/Latch System
0 = None
2 = Short Ejector Latch (3505-16)
3 = Long Ejector Latch (3505-17)
7 = Universal Ejector Latch (3505-21)

Polarization
0 = for Contact Qty 14 to 64
0 = for Notch C on 10 Position
5 = for Notch B on 10 Position

Body Style
0 = w/ Mounting Flange
1 = w/o Mounting Flange
5 = Mounting Flanges w/ Threaded Insert from Socket mating side

Assembly tools: 3640 press (or equivalent), 3443-96 locator plate, 3442-9 platen.

TS-0086-15
Sheet 2 of 4

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373
3M™ Pak 100 Wiremount Plug
0.100” × 0.100”

4600 Series

**Table 1**

<table>
<thead>
<tr>
<th>Contact</th>
<th>Quantity</th>
<th>A</th>
<th>A’</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Polarizing Notches Provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1.50 [38.1]</td>
<td>0.90 [22.9]</td>
<td>0.71 [18.0]</td>
<td>1.20 [30.5]</td>
<td>0.77 [19.6]</td>
<td>0.85 [21.7]</td>
<td>B or C (See Note 1)</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>1.70 [43.2]</td>
<td>1.10 [27.9]</td>
<td>0.91 [23.1]</td>
<td>1.40 [35.6]</td>
<td>0.97 [24.6]</td>
<td>1.05 [26.8]</td>
<td>BC</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>2.30 [58.4]</td>
<td>1.70 [43.2]</td>
<td>1.51 [38.4]</td>
<td>2.00 [50.8]</td>
<td>1.57 [39.9]</td>
<td>1.65 [42.0]</td>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>2.50 [63.5]</td>
<td>1.90 [48.3]</td>
<td>1.71 [43.4]</td>
<td>2.20 [55.9]</td>
<td>1.77 [45.0]</td>
<td>1.85 [47.1]</td>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>2.70 [68.6]</td>
<td>2.10 [53.3]</td>
<td>1.91 [48.5]</td>
<td>2.40 [61.0]</td>
<td>1.97 [50.0]</td>
<td>2.05 [52.2]</td>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>2.80 [71.1]</td>
<td>2.20 [55.9]</td>
<td>2.01 [51.1]</td>
<td>2.50 [63.5]</td>
<td>2.07 [52.6]</td>
<td>2.15 [54.7]</td>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>3.00 [76.2]</td>
<td>2.40 [61.0]</td>
<td>2.21 [56.1]</td>
<td>2.70 [68.6]</td>
<td>2.27 [57.7]</td>
<td>2.35 [59.8]</td>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>3.50 [88.9]</td>
<td>2.90 [73.7]</td>
<td>2.71 [68.8]</td>
<td>3.20 [81.3]</td>
<td>2.77 [70.4]</td>
<td>2.85 [72.5]</td>
<td>ABC</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>4.00 [101.6]</td>
<td>3.40 [86.4]</td>
<td>3.21 [81.5]</td>
<td>3.70 [94.0]</td>
<td>3.27 [83.1]</td>
<td>3.35 [85.1]</td>
<td>ABC</td>
<td></td>
</tr>
</tbody>
</table>

**Table 2**

<table>
<thead>
<tr>
<th>Ejector/Latch Option</th>
<th>Part Number</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
</table>

**Note:**
The distance from the strain relief to the connector is equal to .04 [1.0] plus the cable thickness.
Table 3

<table>
<thead>
<tr>
<th>Contact Quantity</th>
<th>3M Part Number Series</th>
<th>Dimension A</th>
<th>Dimension B</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>4610</td>
<td>1.200 [ 30.48 ]</td>
<td>0.945 [ 24.00 ]</td>
</tr>
<tr>
<td>14</td>
<td>4614</td>
<td>1.400 [ 35.56 ]</td>
<td>1.145 [ 29.08 ]</td>
</tr>
<tr>
<td>16</td>
<td>4616</td>
<td>1.500 [ 38.10 ]</td>
<td>1.245 [ 31.62 ]</td>
</tr>
<tr>
<td>20</td>
<td>4620</td>
<td>1.700 [ 43.18 ]</td>
<td>1.445 [ 36.70 ]</td>
</tr>
<tr>
<td>24</td>
<td>4624</td>
<td>1.900 [ 48.26 ]</td>
<td>1.645 [ 41.78 ]</td>
</tr>
<tr>
<td>26</td>
<td>4626</td>
<td>2.000 [ 50.80 ]</td>
<td>1.745 [ 44.32 ]</td>
</tr>
<tr>
<td>30</td>
<td>4630</td>
<td>2.200 [ 55.88 ]</td>
<td>1.945 [ 49.40 ]</td>
</tr>
<tr>
<td>34</td>
<td>4634</td>
<td>2.400 [ 60.96 ]</td>
<td>2.145 [ 54.48 ]</td>
</tr>
<tr>
<td>36</td>
<td>4636</td>
<td>2.500 [ 63.50 ]</td>
<td>2.245 [ 57.02 ]</td>
</tr>
<tr>
<td>40</td>
<td>4640</td>
<td>2.700 [ 68.58 ]</td>
<td>2.445 [ 62.10 ]</td>
</tr>
<tr>
<td>50</td>
<td>4650</td>
<td>3.200 [ 81.28 ]</td>
<td>2.945 [ 74.80 ]</td>
</tr>
<tr>
<td>60</td>
<td>4660</td>
<td>3.700 [ 93.98 ]</td>
<td>3.445 [ 87.50 ]</td>
</tr>
<tr>
<td>64</td>
<td>4664</td>
<td>3.900 [ 99.06 ]</td>
<td>3.645 [ 92.58 ]</td>
</tr>
</tbody>
</table>

Notes:
1. Accepts #4 pan head machine screw.
2. For a rear mount plug connector with Ejector/Latches the recommended maximum panel thickness is .125 [ 3.17 ].
3. Without polarizing tabs .340 [ 8.64 ].

Rear Mount Panel Cutout

TS-0086-15
Sheet 4 of 4

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373
Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.