.100” × .100” Surface Mount Header
High Temp
N4600 Series

IMPORTANT NOTICE TO PURCHASER

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Date Issued: October 26, 1998
TS-0168-13
Sheet 1 of 3

Physical

<table>
<thead>
<tr>
<th>Insulation</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: Glass Filled Polyester (PCT)</td>
<td>Material: Copper Alloy</td>
</tr>
<tr>
<td>Flammability: UL 94V-0</td>
<td>Plating</td>
</tr>
<tr>
<td>Color: Beige</td>
<td>Underplate: 100 μ” [2.54 μm] Nickel — QQ-N-290, Class 2</td>
</tr>
<tr>
<td>Marking: 3M Logo, Part Identification Number and Orientation Triangle</td>
<td>Wiping Area: 30 μ” [0.76 μm] Gold — MIL-G-45204, Type II, Grade C</td>
</tr>
<tr>
<td></td>
<td>Solder Tails: 200 μ” [5.08 μm] 60/40 Tin Lead — MIL-P-81728</td>
</tr>
</tbody>
</table>

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
Processing: 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

For technical, sales or ordering information call
800-225-5373
.100" × .100" Surface Mount Header

High Temp

N4600 Series

Notes:
1. Notches A and C will accommodate 3M Polarization Keys N3518.
2. Accepts a #4, #2, or 3mm Panhead Machine Screw and Nut.

Section A–A

Inch

<table>
<thead>
<tr>
<th>Tolerance Unless Noted</th>
<th>.05</th>
<th>.00</th>
<th>.000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inch</td>
<td>± .1</td>
<td>± .01</td>
<td>± .005</td>
</tr>
</tbody>
</table>

[ ] Dimensions for Reference only

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Sheet 2 of 3
.100” × .100” Surface Mount Header
High Temp
N4600 Series

Table 1

<table>
<thead>
<tr>
<th>Pin Quantity</th>
<th>Part Number</th>
<th>Dimensions</th>
<th>Polarization Notches</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>N4610</td>
<td>A: 1.50 [38.2]</td>
<td>B</td>
</tr>
<tr>
<td>14</td>
<td>N4614</td>
<td>A: 1.70 [43.2] B: 1.40 [35.6] C: 1.10 [28.0] D: 0.91 [23.1]</td>
<td>B C</td>
</tr>
<tr>
<td>26</td>
<td>N4626</td>
<td>A: 2.30 [58.5] B: 2.00 [50.9] C: 1.70 [43.2] D: 1.51 [38.3]</td>
<td>A B C</td>
</tr>
<tr>
<td>34</td>
<td>N4634</td>
<td>A: 2.70 [68.6] B: 2.40 [61.0] C: 2.10 [53.4] D: 1.91 [48.5]</td>
<td>A B C</td>
</tr>
<tr>
<td>40</td>
<td>N4640</td>
<td>A: 3.00 [76.3] B: 2.70 [68.6] C: 2.40 [61.0] D: 2.21 [56.1]</td>
<td>A B C</td>
</tr>
<tr>
<td>50</td>
<td>N4650</td>
<td>A: 3.50 [89.0] B: 3.20 [81.3] C: 2.90 [73.7] D: 2.71 [68.6]</td>
<td>A B C</td>
</tr>
<tr>
<td>60</td>
<td>N4660</td>
<td>A: 4.00 [101.7] B: 3.70 [94.0] C: 3.40 [86.4] D: 3.21 [81.5]</td>
<td>A B C</td>
</tr>
</tbody>
</table>

Table 2

<table>
<thead>
<tr>
<th>3M Part Number</th>
<th>Latch Descr.</th>
<th>Latch/Ejector Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>N3505-22</td>
<td>Short</td>
<td>F: 0.335 [8.51] G: 0.726 [18.44]</td>
</tr>
<tr>
<td>N3505-23</td>
<td>Long</td>
<td>F: 0.484 [12.29] G: 0.875 [22.23]</td>
</tr>
</tbody>
</table>

Ordering Information

**N46XX-20X0**
Pin Qty (See Table 1)
Polarization:
0 = for pin qty 14 to 60
5 = for pin qty 10

**Ejector Latch**
(Order Separately)
N3505-22 (Short)
N3505-23 (Long)

**Polarizing Key**
(Order Separately)
3518

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