3M™ WIREMOUNT PLUG, 4600 SERIES
100 X 100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect
3M IS A TRADEMARK OF 3M COMPANY.

PERFORMANCE:

CURRENT RATING:
1.92 A, ALL CONTACTS POWERED
2.25 A, 6 CONTACTS POWERED
5.50 A, 1 CONTACT POWERED

RATING CONDITIONS:
UL 1566, METHOD 2, 30°C MAXIMUM TEMPERATURE RISE

VOLTAGE RATING:
120 VAC

PHYSICAL:

INSULATOR:
Glass Filled Polyester (PBT)

FLAMMABILITY:
UL-94V-0

CONTACT MATERIAL:
Copper Alloy

UNDER PLATING:
Nickel-Overall

WIRE ACCOMMODATION:
20 AWG Stranded and Solid

MARKING:
3M Logo and Lot Number

ORDERING INFORMATION

46XX-XXXX

CONTACT QTY:
[SEE TABLE 1]

COVER STYLE:
B-Open End
Daisy Chain/Busbar Standard
7+ Closed End (End Cable Termination)

EJECCTOR/LATCH SYSTEM:
C-Plain Standard
L-Short Ejector Latch (3445-165)
3-Long Ejector Latch (3400-171)

ASSEMBLY TOOLS:
3M Press, 3640 (or Equivalent), 3M Locator Plate 3443-96, 3M Flattener 3412-0

STRAIN RELIEF

ORDER SEPARATELY

3448-46XX

CONTACT QTY:
[SEE TABLE 1]

DIMENSIONS:

INCH [MM]

<table>
<thead>
<tr>
<th>3M™ WIREMOUNT PLUG, 4600 SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 X 100, LATCH/EJECT CONNECTOR FOR .050&quot; PITCH CABLE</td>
</tr>
</tbody>
</table>

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect
3M IS A TRADEMARK OF 3M COMPANY.

PERFORMANCE:

CURRENT RATING:
1.92 A, ALL CONTACTS POWERED
2.25 A, 6 CONTACTS POWERED
5.50 A, 1 CONTACT POWERED

RATING CONDITIONS:
UL 1566, METHOD 2, 30°C MAXIMUM TEMPERATURE RISE

VOLTAGE RATING:
120 VAC

PHYSICAL:

INSULATOR:
Glass Filled Polyester (PBT)

FLAMMABILITY:
UL-94V-0

CONTACT MATERIAL:
Copper Alloy

UNDER PLATING:
Nickel-Overall

WIRE ACCOMMODATION:
20 AWG Stranded and Solid

MARKING:
3M Logo and Lot Number

ORDERING INFORMATION

46XX-XXXX

CONTACT QTY:
[SEE TABLE 1]

COVER STYLE:
B-Open End
Daisy Chain/Busbar Standard
7+ Closed End (End Cable Termination)

EJECCTOR/LATCH SYSTEM:
C-Plain Standard
L-Short Ejector Latch (3445-165)
3-Long Ejector Latch (3400-171)

ASSEMBLY TOOLS:
3M Press, 3640 (or Equivalent), 3M Locator Plate 3443-96, 3M Flattener 3412-0

STRAIN RELIEF

ORDER SEPARATELY

3448-46XX

CONTACT QTY:
[SEE TABLE 1]

DIMENSIONS:

INCH [MM]

<table>
<thead>
<tr>
<th>3M™ WIREMOUNT PLUG, 4600 SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 X 100, LATCH/EJECT CONNECTOR FOR .050&quot; PITCH CABLE</td>
</tr>
</tbody>
</table>

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect
3M IS A TRADEMARK OF 3M COMPANY.

PERFORMANCE:

CURRENT RATING:
1.92 A, ALL CONTACTS POWERED
2.25 A, 6 CONTACTS POWERED
5.50 A, 1 CONTACT POWERED

RATING CONDITIONS:
UL 1566, METHOD 2, 30°C MAXIMUM TEMPERATURE RISE

VOLTAGE RATING:
120 VAC

PHYSICAL:

INSULATOR:
Glass Filled Polyester (PBT)

FLAMMABILITY:
UL-94V-0

CONTACT MATERIAL:
Copper Alloy

UNDER PLATING:
Nickel-Overall

WIRE ACCOMMODATION:
20 AWG Stranded and Solid

MARKING:
3M Logo and Lot Number

ORDERING INFORMATION

46XX-XXXX

CONTACT QTY:
[SEE TABLE 1]

COVER STYLE:
B-Open End
Daisy Chain/Busbar Standard
7+ Closed End (End Cable Termination)

EJECCTOR/LATCH SYSTEM:
C-Plain Standard
L-Short Ejector Latch (3445-165)
3-Long Ejector Latch (3400-171)

ASSEMBLY TOOLS:
3M Press, 3640 (or Equivalent), 3M Locator Plate 3443-96, 3M Flattener 3412-0

STRAIN RELIEF

ORDER SEPARATELY

3448-46XX

CONTACT QTY:
[SEE TABLE 1]

DIMENSIONS:

INCH [MM]

<table>
<thead>
<tr>
<th>3M™ WIREMOUNT PLUG, 4600 SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 X 100, LATCH/EJECT CONNECTOR FOR .050&quot; PITCH CABLE</td>
</tr>
</tbody>
</table>

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect
3M IS A TRADEMARK OF 3M COMPANY.

PERFORMANCE:

CURRENT RATING:
1.92 A, ALL CONTACTS POWERED
2.25 A, 6 CONTACTS POWERED
5.50 A, 1 CONTACT POWERED

RATING CONDITIONS:
UL 1566, METHOD 2, 30°C MAXIMUM TEMPERATURE RISE

VOLTAGE RATING:
120 VAC

PHYSICAL:

INSULATOR:
Glass Filled Polyester (PBT)

FLAMMABILITY:
UL-94V-0

CONTACT MATERIAL:
Copper Alloy

UNDER PLATING:
Nickel-Overall

WIRE ACCOMMODATION:
20 AWG Stranded and Solid

MARKING:
3M Logo and Lot Number

ORDERING INFORMATION

46XX-XXXX

CONTACT QTY:
[SEE TABLE 1]

COVER STYLE:
B-Open End
Daisy Chain/Busbar Standard
7+ Closed End (End Cable Termination)

EJECCTOR/LATCH SYSTEM:
C-Plain Standard
L-Short Ejector Latch (3445-165)
3-Long Ejector Latch (3400-171)

ASSEMBLY TOOLS:
3M Press, 3640 (or Equivalent), 3M Locator Plate 3443-96, 3M Flattener 3412-0

STRAIN RELIEF

ORDER SEPARATELY

3448-46XX

CONTACT QTY:
[SEE TABLE 1]

DIMENSIONS:

INCH [MM]

<table>
<thead>
<tr>
<th>3M™ WIREMOUNT PLUG, 4600 SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 X 100, LATCH/EJECT CONNECTOR FOR .050&quot; PITCH CABLE</td>
</tr>
</tbody>
</table>

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect
3M IS A TRADEMARK OF 3M COMPANY.

PERFORMANCE:

CURRENT RATING:
1.92 A, ALL CONTACTS POWERED
2.25 A, 6 CONTACTS POWERED
5.50 A, 1 CONTACT POWERED

RATING CONDITIONS:
UL 1566, METHOD 2, 30°C MAXIMUM TEMPERATURE RISE

VOLTAGE RATING:
120 VAC

PHYSICAL:

INSULATOR:
Glass Filled Polyester (PBT)

FLAMMABILITY:
UL-94V-0

CONTACT MATERIAL:
Copper Alloy

UNDER PLATING:
Nickel-Overall

WIRE ACCOMMODATION:
20 AWG Stranded and Solid

MARKING:
3M Logo and Lot Number

ORDERING INFORMATION

46XX-XXXX

CONTACT QTY:
[SEE TABLE 1]

COVER STYLE:
B-Open End
Daisy Chain/Busbar Standard
7+ Closed End (End Cable Termination)

EJECCTOR/LATCH SYSTEM:
C-Plain Standard
L-Short Ejector Latch (3445-165)
3-Long Ejector Latch (3400-171)

ASSEMBLY TOOLS:
3M Press, 3640 (or Equivalent), 3M Locator Plate 3443-96, 3M Flattener 3412-0

STRAIN RELIEF

ORDER SEPARATELY

3448-46XX

CONTACT QTY:
[SEE TABLE 1]

DIMENSIONS:

INCH [MM]

<table>
<thead>
<tr>
<th>3M™ WIREMOUNT PLUG, 4600 SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 X 100, LATCH/EJECT CONNECTOR FOR .050&quot; PITCH CABLE</td>
</tr>
</tbody>
</table>
3M™ WIREMOUNT PLUG, 4600 SERIES
.100 x .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE

DIM. "A" [2.54mm]

NOTCH C
SEE TABLE 1
AND NOTE 2

NOTCH B
SEE TABLE 1

.050 TYP.
[1.27mm]

.16 [4.1]

OPEN COVER

OPTIONAL CLOSED END COVER

NONCONDUCTIVE TRANSFER ADHESIVE WITH LINER

DIM. "D" [6.4]

DIM. "E" [33.4]

DIM. "F" [0.8]

DIM. "G" [0.8]

DIM. "H" [0.33]

DIM. "I" [0.24]

DIM. "J" [0.25]

DIM. "K" [0.050TYP.]

.165 [4.20]

.165 [4.20]

.15 [0.38]

.15 [0.38]

.050 TYP.
[1.27mm]

.050 TYP.
[1.27mm]

.33 [8.4]

.26 [6.4]

.25 [6.4]

.24 [6.2]

.025 [0.64]

SECTION A-A

SCALE 4X

THREADED INSERT MOUNTING FLANGES

2X #4-40 UNF X 1 [4.1361] LG TAPPED INSERT TORQUE SPEC 5.5 IN\(\text{Lb}\)

NO MOUNTING FLANGES

SLOTTED MOUNTING FLANGES

NOTE: NO CENTER NOTCH IS AN OPTION.

NOTCHES A AND C WILL ACCOMMODATE 3M POLARIZATION KEY PART NO. 2316.

Polarization of 10 position product can be either:
- CENTER NOTCH 4610-XX0X
- NOTCH B 4810-XX0X

3M IS A TRADEMARK OF 3M COMPANY
FOR TECHNICAL, SALES OR ORDERING INFORMATION CALL 800-225-5373

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
http://www.3M.com/interconnect

3M IS A TRADEMARK OF 3M COMPANY
### Table 3

<table>
<thead>
<tr>
<th>PIN</th>
<th>CNT</th>
<th>DET. NO.</th>
<th>HEAD SCREWS</th>
<th>SD</th>
<th>MIN.</th>
<th>MAX.</th>
<th>DIM. &quot;A&quot;</th>
<th>DIM. &quot;B&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2 3 5</td>
<td>2 3 5 6 7 8</td>
<td>0</td>
<td>0.125</td>
<td>0.18</td>
<td>1.125</td>
<td>1.18</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>2 3 5</td>
<td>2 3 5 6 7 8</td>
<td>0</td>
<td>0.18</td>
<td>0.25</td>
<td>0.75</td>
<td>0.88</td>
</tr>
<tr>
<td>60</td>
<td>1</td>
<td>2 3 5 7 8</td>
<td>2 3 5 6 7 8</td>
<td>0</td>
<td>1.70</td>
<td>1.80</td>
<td>5.20</td>
<td>6.0</td>
</tr>
</tbody>
</table>

#### Polarizing Notches
- **This Side:** 
  - \(0.45\) (1.14) MIN.
  - \(0.46\) (1.17) MAX.
- **REAR MOUNT PANEL CUT-OUT:**
  - \(0.125\) (3.18) MIN.
  - \(0.18\) (4.64) MAX.
  - \(0.48\) (12.2) MIN.
  - \(0.45\) (11.9) MAX.
  - \(0.40\) (1.02) MIN.

3M WIREMOUNT PLUG, 4600 SERIES

100 X .100, LATCH/EJECT CONNECTOR FOR .050" PITCH CABLE