3M™ Pak 100 Pin Strip Header

.100” and .100” × .100” Straight and Right Angle, Solder Tail

- One and two row versions
- Straight and right angle versions
- Tin lead or gold plating available
- Tapered tip does not cut the socket wipe during insertion, reducing operational failure and repairs
- Board retention feature available
- Two-row right angle mates with Pak 100 wiremount sockets anywhere on the board

Date Modified: December 30, 2003
TS-0766-08
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Physical

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

Contact
- Material: Copper Alloy

Plating
- Underplating: 100 μ” [ 2.54 μm ] Nickel - QQ-N-290, Class 2
- Wiping Area: Tin or Gold (MIL-G-45204), See product descriptor
- Solder Tails: 100 μ” [ 2.54 μm ] 90/10 Tin Lead —MIL-P-81728

Electrical

- Current Rating: 1 A
- Insulation Resistance: > 1 × 10⁹ Ω at 500 Vdc
- Withstanding Voltage: 1000 Vrms at Sea Level

Environmental

- Operating Temperature Rating: 55°C to +105°C

UL File No.: E68080

3M Interconnect Solutions
http://www.3M.com/interconnects/
3M™ Pak 100 Pin Strip Header
.100” and .100” × .100” Straight and Right Angle, Solder Tail

Straight

Recommended Mounting Hole Pattern

Notes:
1. “C” = .100” X pin quantity per row.
2. The recommended PCB hole size for the kinked tail positions on the .120” solder tail connector is .040” ± .002. The kinked tail positions are the first and last position in each row.

Ordering Information

Plating
TB = 30µ”Gold
TG = 10µ”Gold
TP = Tin-lead

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3M Pak 100 Pin Strip Header

.100” and .100” × .100” Straight and Right Angle, Solder Tail

2300 Series

Right Angle

C = .015 (See Note 1)

D = .015 (See Note 1)

Recommended Mounting Hole Pattern

Notes:
1. “C” = .100” X pin quantity per row.
2. The recommended PCB hole size for the kinked tail positions on the .120” solder tail connector is .040” ± .002.
The kinked tail positions are the first and last position in each row.

Ordering Information

23XX-5XXX XX

Plating
TB = 30µ” Gold
TG = 10µ” Gold
TP = Tin-lead

Pin Quantity
One Row (02–40)
Two Row (04–80)

Pin Length
(Dim A)
1 = .230”
2 = .318”

Tail
One Row
11 = .120” Solder Tails
51 = .120” Kinked Solder Tails
Two Row
21 = .120” Solder Tails
81 = .120” Kinked Solder Tails

Dimensions for Reference only

Tolerance Unless Noted

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

Plating
TB = 30µ” Gold
TG = 10µ” Gold
TP = Tin-lead

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