

Solutions for Electronic Specialty Markets (ESM)

Product Catalog for Electronic Specialty Markets

- 3M™ Electronic Specialty Markets - New Product Releases
- 3M™ Abrasives
- 3M™ Adhesives, Cleaners & Compounds
- 3M™ Breadboards & Test Clips
- 3M™ Cable & Assemblies
- 3M™ Copper Interconnects
- 3M™ Fiber Optics
- 3M™ Fire Protection
- 3M™ Heat Shrink
- 3M™ Identification Systems
- 3M™ Occupational Health & Safety Products
- 3M™ Protective Bumpers
- 3M™ Reclosable Fasteners
- 3M™ Splicing, Terminating & Ducting
- 3M™ Static Control
- 3M™ Tapes
- 3M™ Terminals, Kits & Tools
- 3M™ Vacuums & Accessories
- 3M™ Warehousing & Packaging Supplies
- 3M™ Wire Connectors

Product Catalog for Electronic Specialty Markets > 3M™ Copper Interconnects > Headers > Pin Strip, .100 in, 929 Series > Pin Strip Header, .100", .318" Straight & Right Angle >

Printer-friendly format 3M™ .100 in. Pin Strip Header (.318 Mating Length), Straight, Tin Plating, 929700-06-36



36 contacts, .100" x .100", Mating Length .318", Tail Length .710", Tin lead plating.

[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 81170 1  
 3M Id : 80-6200-3315-1

Additional Information

Learn More . . .

[Packaging Data](#)  
[3M™PinStripHdr,.100"&.100"x.100",929 Series,TS0769 - Data Sheet \(PDF 338.2 K\)](#)

**Please Note:**  
 Adobe® Acrobat® Reader is required to view PDF documents.



Characteristics

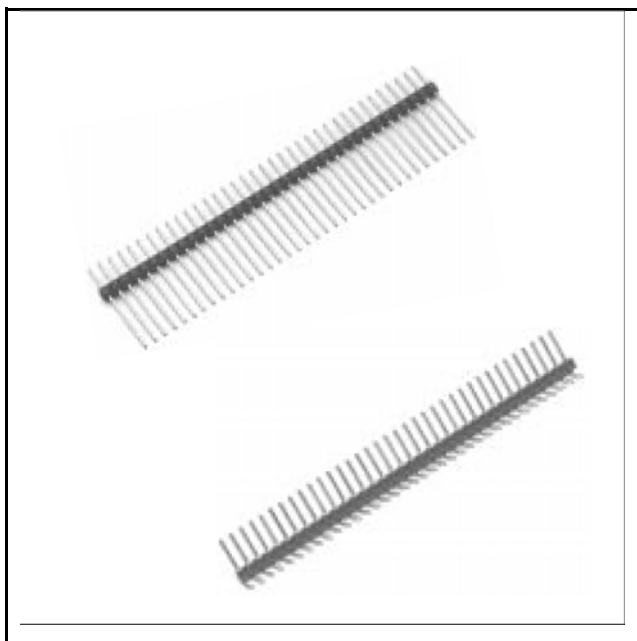
|                                  |                                 |
|----------------------------------|---------------------------------|
| China RoHS - Below MCV           | No                              |
| Contact Material                 | Copper Alloy                    |
| Contact Termination Area Plating | None                            |
| Contact Underplating             | 50 μ" [1.27 μm] Nickel          |
| Contact Wiping Area Plating      | 100 μ" [2.54 μm] 90/10 Tin/Lead |
| Current Rating                   | 2.5 Ampere                      |
| Dual Insulator                   | No                              |
| EPC Can View                     | Public                          |
| EU RoHS Compliant                | No                              |
| Insulation Color                 | Black                           |
| Insulation Flammability Rating   | UL 94V-0                        |
| Insulation Material              | Glass Filled Polyester (PBT)    |
| Insulation Resistance            | >5 X 10^9 Ohms @ 500 Vdc        |

|                                  |                                  |
|----------------------------------|----------------------------------|
| <b>Interface Grid</b>            | .100"                            |
| <b>Interface Style</b>           | Pin Strip (Unshrouded Header)    |
| <b>Markings</b>                  | None                             |
| <b>Mounting Option</b>           | Mounting Flanges - 4-40 Threaded |
| <b>Non-Operating Temperature</b> | -40 to 105 Degree Celsius        |
| <b>Number of Contact Rows</b>    | 1                                |
| <b>Number of Contacts</b>        | 36                               |
| <b>Orientation</b>               | Horizontal                       |
| <b>Pitch</b>                     | 0.100 Inch                       |
| <b>Polarization</b>              | None                             |
| <b>Primary Trademark Name</b>    | 3M                               |
| <b>Separable</b>                 | Yes                              |
| <b>Tail Length</b>               | .710 Inch                        |
| <b>Termination Method</b>        | Solder Tail                      |
| <b>Termination Style</b>         | Printed Circuit Board            |
| <b>Withstanding Voltage</b>      | 1500 Vrms at Sea Level           |

# 3M™ Pin Strip Header

.100", .235"/.318" Mating Length, Straight & Right Angle, Solder Tails

929 Series



- Stackable
- Tin Lead or gold plating available
- Solder stand-offs facilitate production wave soldering
- Board pin retention feature available
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: August 13, 2007

TS-0769-B  
Sheet 1 of 5

---

## Physical

### Insulation

Material: Glass Filled Polyester (PBT) or High Temperature (PCT)

Flammability: UL 94V-0

Color: Black

### Contact

Material: Copper Alloy

### Plating

Underplating: 50  $\mu$ " [1.27  $\mu$ m] Nickel

Wiping Area and Solder Tails: See ordering information

Marking: None

---

## Electrical

**Current Rating:** 2.5 A

**Insulation Resistance:**  $> 5 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

**Withstanding Voltage:** 1500 V<sub>RMS</sub> at Sea Level

---

## Environmental

**Temperature Rating:** -40°C to +105°C

**Process Rating:** 260°C (per J-STD-020C) for PCT parts only

(PBT insulator version), maximum insulator temperature 191°C  
(Solder Wave Process Only)

**Moisture Sensitivity Level:** 1 (per J-STD-020C) for PCT parts only

UL File No.: E68080



Interconnect Solutions

<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.  
For technical, sales or ordering information call

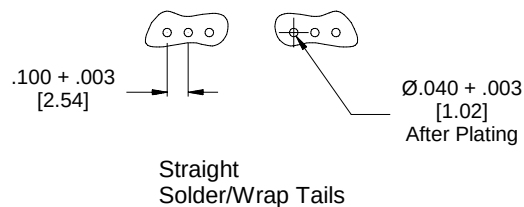
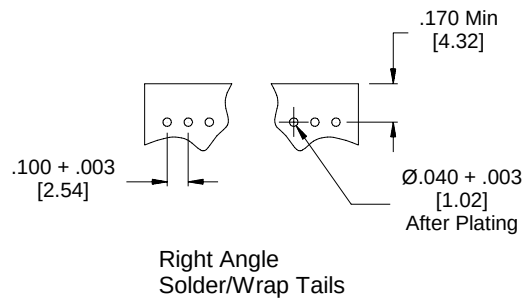
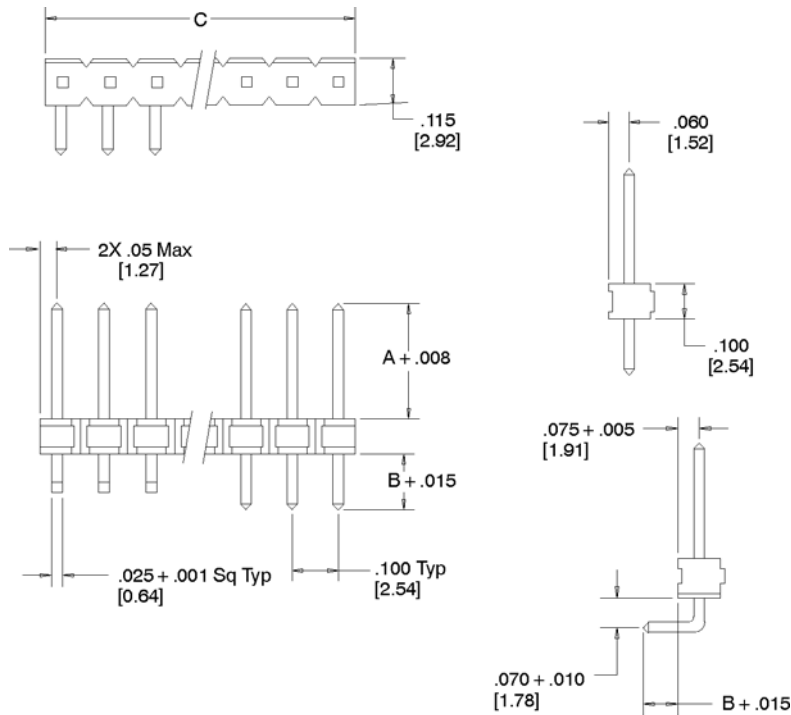
800-225-5373

# 3M™ Pin Strip Header

.100", .235"/.318" Mating Length, Straight & Right Angle, Solder Tails

929 Series

## One Row



## Recommended Hole Pattern

### Notes:

1. Dimension C is a maximum when the pin strip is cut to length, not when the strip is broken to length.
2. Board pin retention feature available: change from "926" to "9R9" when ordering.

Table 2

| Pin Quantity | Dimension C (see note 1) |
|--------------|--------------------------|
| 01           | 0.10 [2.5]               |
| 02           | 0.20 [5.1]               |
| 03           | 0.30 [7.6]               |
| 04           | 0.40 [10.2]              |
| 05           | 0.50 [12.7]              |
| 06           | 0.60 [15.2]              |
| 07           | 0.70 [17.8]              |
| 08           | 0.80 [20.3]              |
| 09           | 0.90 [22.9]              |
| 10           | 1.00 [25.4]              |
| 11           | 1.10 [27.9]              |
| 12           | 1.20 [30.5]              |
| 13           | 1.30 [33.0]              |
| 14           | 1.40 [35.6]              |
| 15           | 1.50 [38.1]              |
| 16           | 1.60 [40.6]              |
| 17           | 1.70 [43.2]              |
| 18           | 1.80 [45.7]              |
| 19           | 1.90 [48.3]              |
| 20           | 2.00 [50.8]              |
| 21           | 2.10 [53.3]              |
| 22           | 2.20 [55.9]              |
| 23           | 2.30 [58.4]              |
| 24           | 2.40 [61.0]              |
| 25           | 2.50 [63.5]              |
| 26           | 2.60 [66.0]              |
| 27           | 2.70 [68.6]              |
| 28           | 2.80 [71.1]              |
| 29           | 2.90 [73.7]              |
| 30           | 3.00 [76.2]              |
| 31           | 3.10 [78.7]              |
| 32           | 3.20 [81.3]              |
| 33           | 3.30 [83.8]              |
| 34           | 3.40 [86.4]              |
| 35           | 3.50 [88.9]              |
| 36           | 3.60 [91.4]              |

Inch  
[mm]

| Tolerance Unless Noted |     |      |       |
|------------------------|-----|------|-------|
|                        | .0  | .00  | .000  |
| inch                   | ±.1 | ±.01 | ±.005 |

[ ] Dimensions for Reference Only

TS-0769-B  
Sheet 2 of 5



Interconnect Solutions

<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.  
For technical, sales or ordering information call

800-225-5373

# 3M™ Pin Strip Header

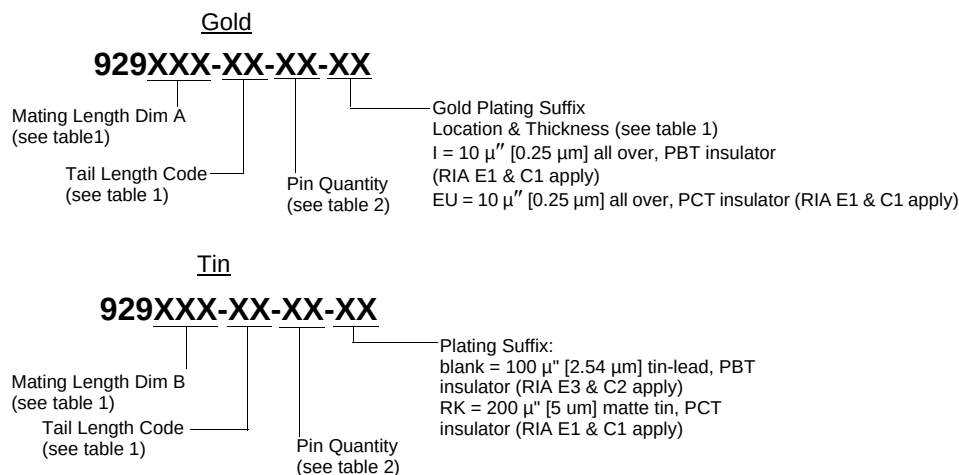
.100", .235"/.318" Mating Length, Straight & Right Angle, Solder Tails

929 Series

## One Row

| Table 1 |                       |                  |              |               |
|---------|-----------------------|------------------|--------------|---------------|
| Plating | 3M Part Number        | Tail Length Code | Dimensions   |               |
|         |                       |                  | A            | B             |
| Gold    | 929647<br>Straight    | 01               | 0.235 [5.97] | 0.110 [2.79]  |
|         |                       | 09               |              | 0.145 [3.68]  |
|         |                       | 02               |              | 0.210 [5.33]  |
|         |                       | 03               |              | 0.410 [10.41] |
|         |                       | 04               |              | 0.510 [12.95] |
|         |                       | 05               |              | 0.610 [15.49] |
|         |                       | 07               |              | 0.910 [23.11] |
|         | 929648<br>Right Angle | 01               | 0.235 [5.97] | 0.110 [2.79]  |
|         | 929705<br>Straight    | 01               | 0.318 [8.08] | 0.110 [2.79]  |
|         |                       | 11               |              | 0.125 [3.18]  |
|         |                       | 09               |              | 0.145 [3.68]  |
|         |                       | 06               |              | 0.710 [18.03] |
| Tin     | 929834<br>Straight    | 01               | 0.235 [5.97] | 0.110 [2.79]  |
|         |                       | 02               |              | 0.210 [5.33]  |
|         |                       | 03               |              | 0.410 [10.41] |
|         |                       | 04               |              | 0.510 [12.95] |
|         |                       | 05               |              | 0.610 [15.49] |
|         |                       | 07               |              | 0.910 [23.11] |
|         | 929835<br>Right Angle | 01               | 0.235 [5.97] | 0.110 [2.79]  |
|         | 929700<br>Straight    | 01               | 0.318 [8.08] | 0.110 [2.79]  |
|         |                       | 11               |              | 0.125 [3.18]  |
|         |                       | 06               |              | 0.710 [18.03] |
|         | 929730<br>Right Angle | 01               | 0.318 [8.08] | 0.110 [2.79]  |

## Ordering Information



TS-0769-B  
Sheet 3 of 5



Interconnect Solutions

<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.

For technical, sales or ordering information call

**800-225-5373**