

## Solutions for Electronic Specialty Markets (ESM)

### Product Catalog for Electronic Specialty Markets

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### [Printer-friendly format](#) **3M™ .100 in. Pin Strip Header (.235/.318 Mating Length), Right Angle, Gold Plating, 929648-01-36-I** 36 contacts, .100" x .100", Tail Length .110", 10µ" gold plating,



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

GTIN(UPC/EAN) : 0 00 54007 80634 9  
3M Id : 80-6200-1579-4

### 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

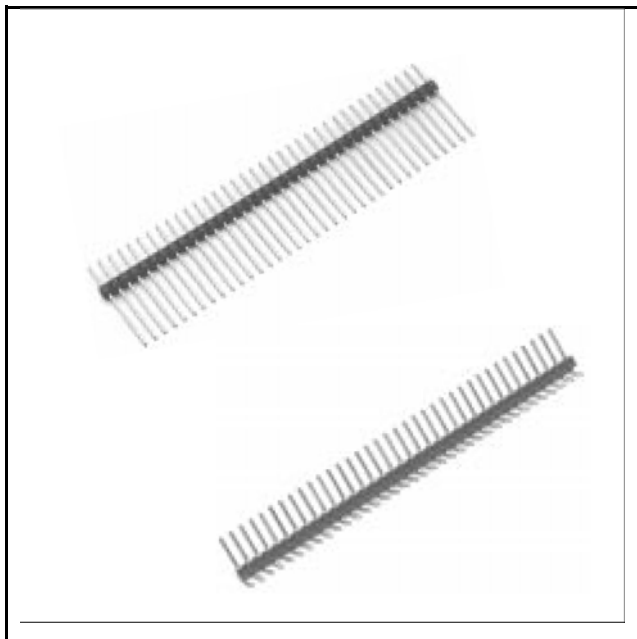
China RoHS - Below MCV	Yes
Contact Material	Copper Alloy
Contact Termination Area Plating	None
Contact Underplating	50 µ" [1.27 µm] Nickel
Contact Wiping Area Plating	10 µ" [0.25 µm] Gold
Current Rating	2.5 Ampere
Dual Insulator	No
EPC Can View	Public
EU RoHS Compliant	Yes
Insulation Color	Gray
Insulation Flammability Rating	UL 94V-0
Insulation Material	Glass Filled Polyester (PBT)
Insulation Resistance	>5 X 10 <sup>9</sup> 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>	Vertical
<b>Pitch</b>	0.100 Inch
<b>Polarization</b>	None
<b>Primary Trademark Name</b>	3M
<b>Separable</b>	Yes
<b>Tail Length</b>	.110 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

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## Physical

### Insulation

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

Flammability: UL 94V-0

Color: Black

### Contact

Material: Copper Alloy

### Plating

Underplating: 50 μ" [1.27 μm] Nickel

Wiping Area and Solder Tails: See ordering information

Marking: None

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## 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

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## 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

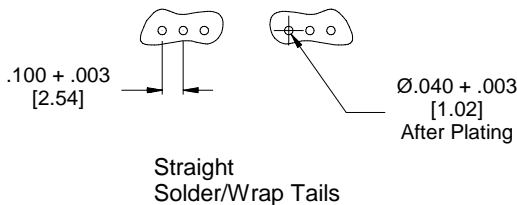
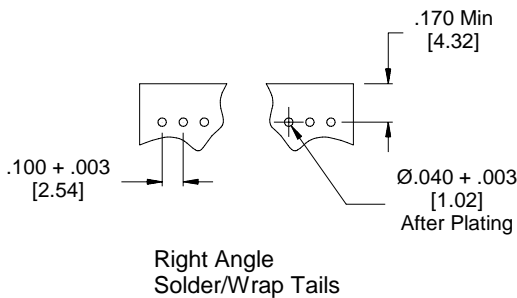
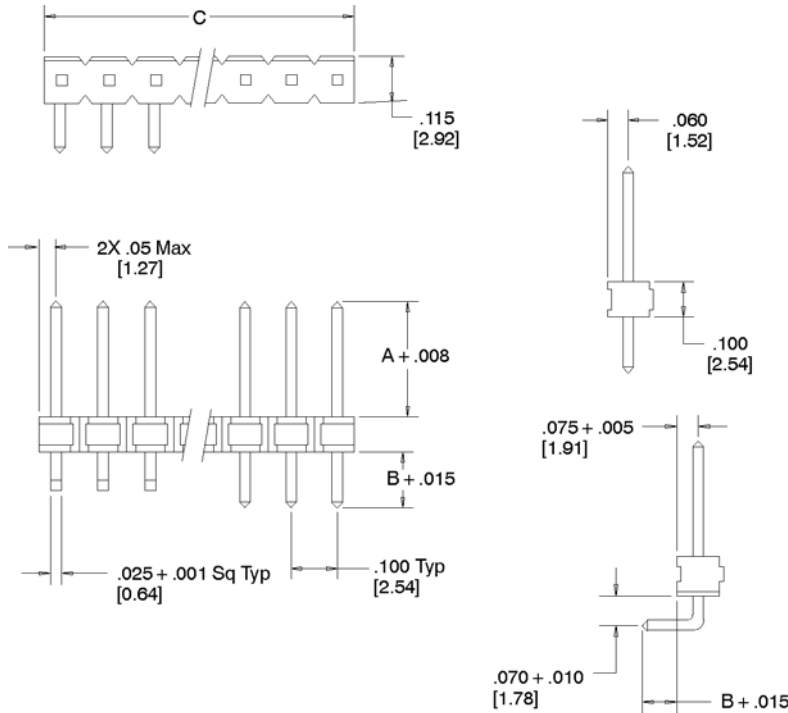
UL File No.: E68080

# 3M™ Pin Strip Header

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

929 Series

One Row



Recommended Hole Pattern

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

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.

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# 3M™ Pin Strip Header

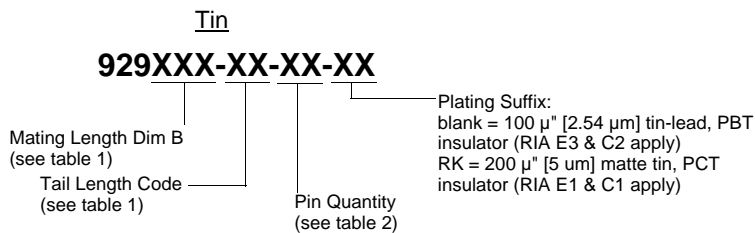
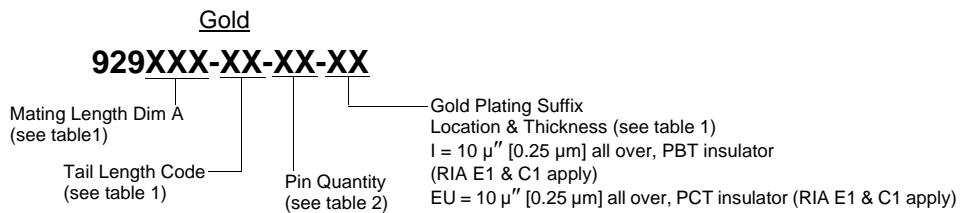
.100", .235"/.318" Mating Length, Straight & Right Angle, Solder Tails

929 Series

**One Row**

Plating	3M Part Number	Tail Length Code	Dimensions	
			A	B
Gold	929647 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 Right Angle	01	0.235 [5.97]	0.110 [2.79]
	929705 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 Straight	01	0.235 [5.97]
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 Right Angle			01	
929700 Straight		01	0.318 [8.08]	0.110 [2.79]
		11		0.125 [3.18]
		06		0.710 [18.03]
929730 Right Angle		01	0.318 [8.08]	0.110 [2.79]

## Ordering Information



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