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Jameco Part Number 2053106

# 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
- RoHS compliant\* versions (EU and RK plating suffixes) available

Date Modified: August 22, 2006

TS-0769-05

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## Physical

### Insulation

Material: Glass Filled Polyester (PBT) or PCT (RoHS compliant)

Flammability: UL 94V-0

Color: Black

### Contact

Material: Copper Alloy

### Plating

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

Wiping Area & Solder Tails: See ordering information

Note: The location and thickness of the contact plating is determined by the part number. Refer to ordering information.

## Electrical

**Current Rating:** 2.5 A

**Insulation Resistance:**  $> 5 \times 10^9 \Omega$  at 500 VDC

**Withstanding Voltage:** 1500 Vrms at Sea Level

## Environmental

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

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

PBT parts are not intended for reflow processing

\*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080



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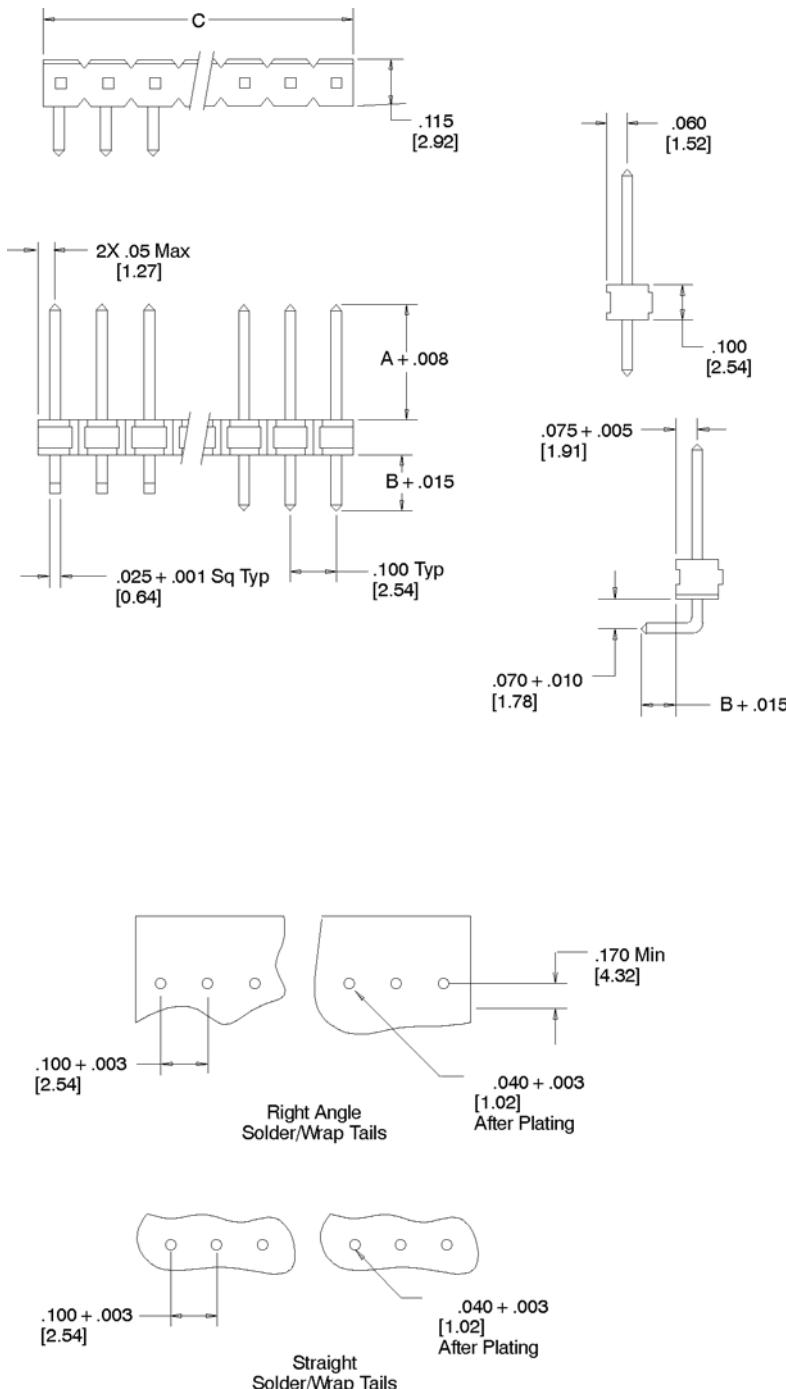
**800-225-5373**

# 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

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# 3M™ Pin Strip Header

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929 Series

## One Row

Table 1				
Plating	3M Part Number	Tail Length Code	Dimensions	
			A	B
Gold	929647 Straight	01	.235 [ 5.97 ]	.110 [ 2.79 ]
		09		.145 [ 3.68 ]
		02		.210 [ 5.33 ]
		03		.410 [ 10.41 ]
		04		.510 [ 12.95 ]
		05		.610 [ 15.49 ]
		07		.910 [ 23.11 ]
Gold	929648 Right Angle	01	.235 [ 6.97 ]	.110 [ 2.79 ]
	929705 Straight	01	.318 [ 8.08 ]	.110 [ 2.79 ]
		11		.125 [ 3.18 ]
		09		.145 [ 3.68 ]
		06		.710 [ 18.03 ]
Tin	929834 Straight	01	.235 [ 5.97 ]	.110 [ 2.79 ]
		02		.210 [ 5.33 ]
		03		.410 [ 10.41 ]
		04		.510 [ 12.95 ]
		05		.610 [ 15.49 ]
		07		.910 [ 23.11 ]
	929835 Right Angle	01	.235 [ 5.97 ]	.110 [ 2.79 ]
Tin	929700 Straight	01	.318 [ 8.08 ]	.110 [ 2.79 ]
		11		.125 [ 3.18 ]
		06		.710 [ 18.03 ]
Tin	929730 Right Angle	01	.318 [ 8.08 ]	.110 [ 2.79 ]

## Ordering Information

### Gold

**929XXX-XX-XX-XX**

Mating Length Dim A  
(see table 1)

Tail Length Code  
(see table 1)

Pin Quantity  
(see table 2)

Gold Plating Suffix  
Location & Thickness (see table 1)  
I = 10 $\mu$ " [0.25 $\mu$ m] all over, PBT insulator  
EU = 10 $\mu$ " [0.25um] all over, PCT insulator  
(RoHS compliant)

### Tin

**929XXX-XX-XX-XX**

Mating Length Dim B  
(see table 1)

Tail Length Code  
(see table 1)

Pin Quantity  
(see table 2)

Plating Suffix:  
blank = 100u" [2.54um] tin-lead,  
PBT insulator  
RK = 200 u" [5 um] matte tin,  
PCT insulator (RoHS compliant)

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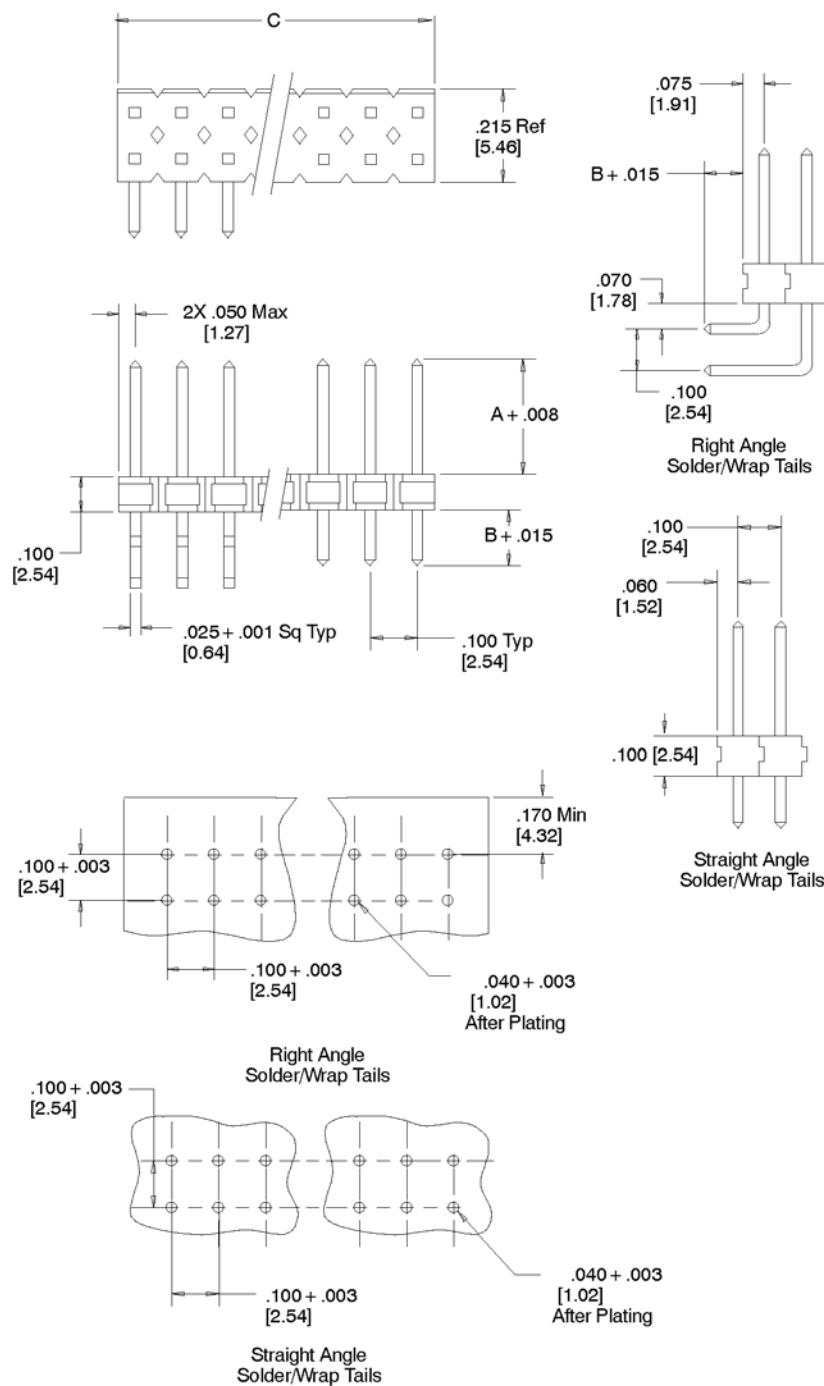
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# 3M™ Pin Strip Header

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

929 Series

## Two 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. Breaking of dual row parts is not recommended.
2. Board pin retention feature available: change from "926" to "9R9" when ordering.

Table 1

Pin Quantity	Total Pin Quantity	Dimension C (see note 1)
01	02	0.10 [ 2.5 ]
02	04	0.20 [ 5.1 ]
03	06	0.30 [ 7.6 ]
04	08	0.40 [10.2 ]
05	10	0.50 [12.7 ]
06	12	0.60 [15.2 ]
07	14	0.70 [17.8 ]
08	16	0.80 [20.3 ]
09	18	0.90 [22.9 ]
10	20	1.00 [25.4 ]
11	22	1.10 [27.9 ]
12	24	1.20 [30.5 ]
13	26	1.30 [33.0 ]
14	28	1.40 [35.6 ]
15	30	1.50 [38.1 ]
16	32	1.60 [40.6 ]
17	34	1.70 [43.2 ]
18	36	1.80 [45.7 ]
19	38	1.90 [48.3 ]
20	40	2.00 [50.8 ]
21	42	2.10 [53.3 ]
22	44	2.20 [55.9 ]
23	46	2.30 [58.4 ]
24	48	2.40 [61.0 ]
25	50	2.50 [63.5 ]
26	52	2.60 [66.0 ]
27	54	2.70 [68.6 ]
28	56	2.80 [71.1 ]
29	58	2.90 [73.7 ]
30	60	3.00 [76.2 ]
31	62	3.10 [78.7 ]
32	64	3.20 [81.3 ]
33	66	3.30 [83.8 ]
34	68	3.40 [86.4 ]
35	70	3.50 [88.9 ]
36	72	3.60 [91.4 ]

Inch

[mm]

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

[ ] Dimensions for Reference Only

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929 Series

## Two Row

Plating	3M Part Number	Tail Length Code	Dimensions	
			A	B
Gold	929665 Straight	01	0.235 [ 5.97]	0.110 [ 2.79]
		09		0.145 [ 3.68]
		02		0.210 [ 5.33]
		08		0.310 [ 7.87]
		03		0.410 [10.41]
		04		0.510 [12.95]
		05		0.610 [15.49]
Gold	929715 Straight	01	0.318 [ 8.08]	0.110 [ 2.79]
		11		0.125 [ 3.18]
		10		0.175 [ 4.45]
		03		0.410 [10.41]
		06		0.710 [18.03]
		01		0.110 [ 2.79]
		04		0.145 [ 3.68]
Tin	929667 Right Angle	02	0.235 [ 5.97]	0.405 [10.29]
		01		0.100 [ 2.79]
		02		0.405 [10.29]
	929745 Right Angle	01	0.318 [ 8.08]	0.100 [ 2.79]
		02		0.405 [10.29]
		01		0.110 [ 2.79]
		09		0.145 [ 3.68]
Tin	929836 Straight	02	0.235 [ 5.97]	0.210 [ 5.33]
		08		0.310 [ 7.87]
		03		0.410 [10.41]
		04		0.510 [12.95]
		05		0.610 [15.49]
	929710 Straight	01		0.110 [ 2.79]
		11		0.125 [ 3.18]
Tin	929838 Right Angle	09	0.318 [ 8.08]	0.145 [ 3.68]
		10		0.175 [ 4.45]
		03		0.410 [10.41]
		06		0.710 [18.03]
		01		0.110 [ 2.79]
		04		0.145 [ 3.68]
		02		0.405 [10.29]

## Ordering Information

### Gold

**929XXX-XX-XX-XX**

3M Part Number  
(see table 2)

Tail Length Code  
(see table 2)

Pin Quantity  
(see table 1)

Gold Plating Suffix  
Location & Thickness (see table 2)  
I = 10 $\mu$ " [0.25 $\mu$ m] all over, PBT insulator  
EU = 10 $\mu$ " [0.25um] all over, PCT insulator  
(RoHS compliant)

### Tin

**929XXX-XX-XX-XX**

3M Part Number  
(see table 2)

Tail Length Code  
(see table 2)

Pin Quantity  
(see table 1)

Plating Suffix:  
blank = 100u" [2.54um] tin-lead,  
PBT insulator  
RK = 200 u" [5 um] matte tin,  
PCT insulator (RoHS compliant)

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