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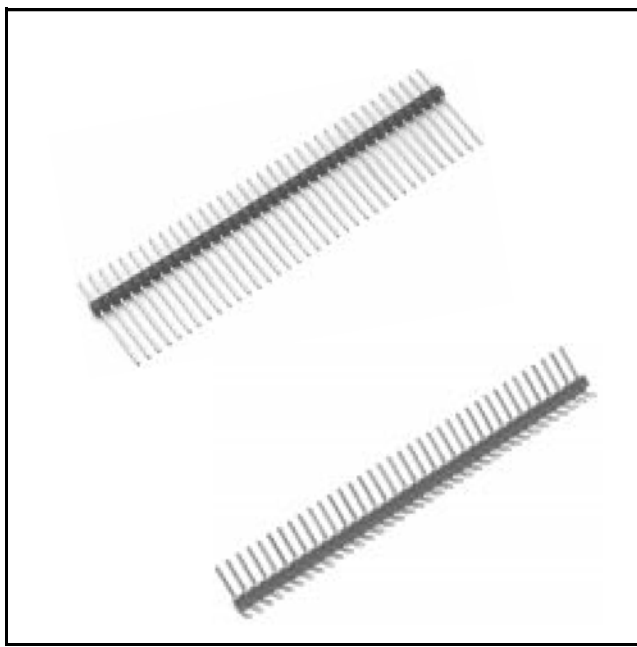
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Jameco Part Number 2053106

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

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Sheet 1 of 5

Physical

Insulation

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

Flammability: UL 94V-0

Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: 50 μ " [1.27 μ 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.

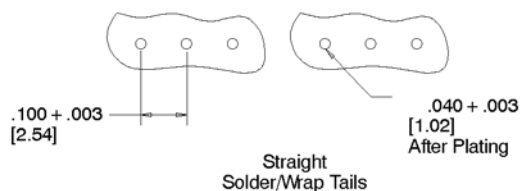
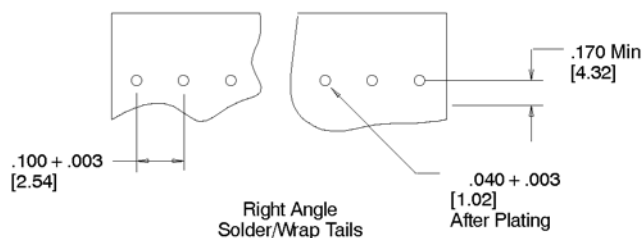
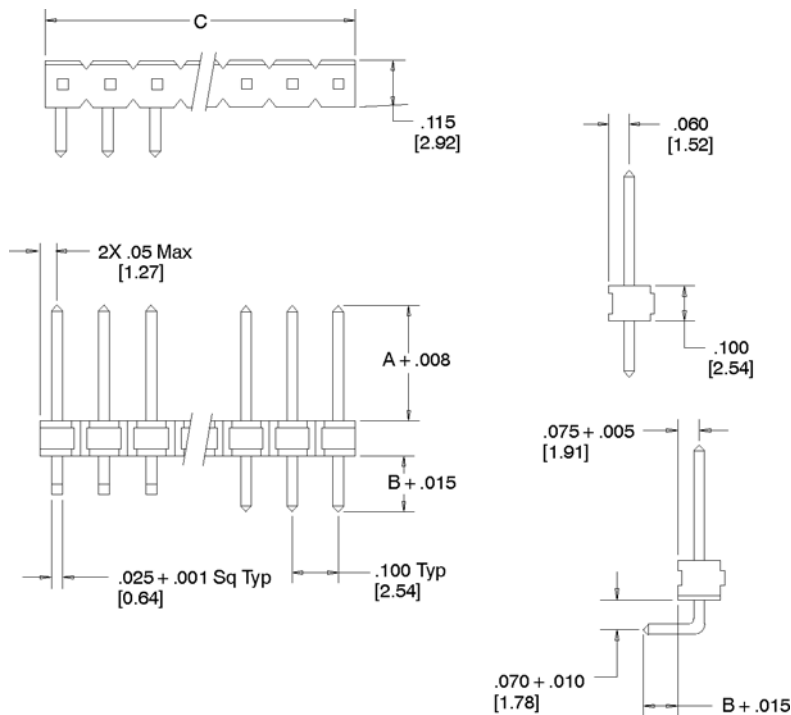
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3M™ Pin Strip Header

.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

[m.m]

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

[] Dimensions for Reference Only

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Interconnect Solutions

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

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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 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]
	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]
	929700 Straight	01	.318 [8.08]	.110 [2.79]
		11		.125 [3.18]
		06		.710 [18.03]
	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 = 10μ" [0.25μm] all over, PBT insulator
EU = 10μ" [0.25μm] 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" [2.54μm] tin-lead,
PBT insulator
RK = 200 u" [5 μm] matte tin,
PCT insulator (RoHS compliant)

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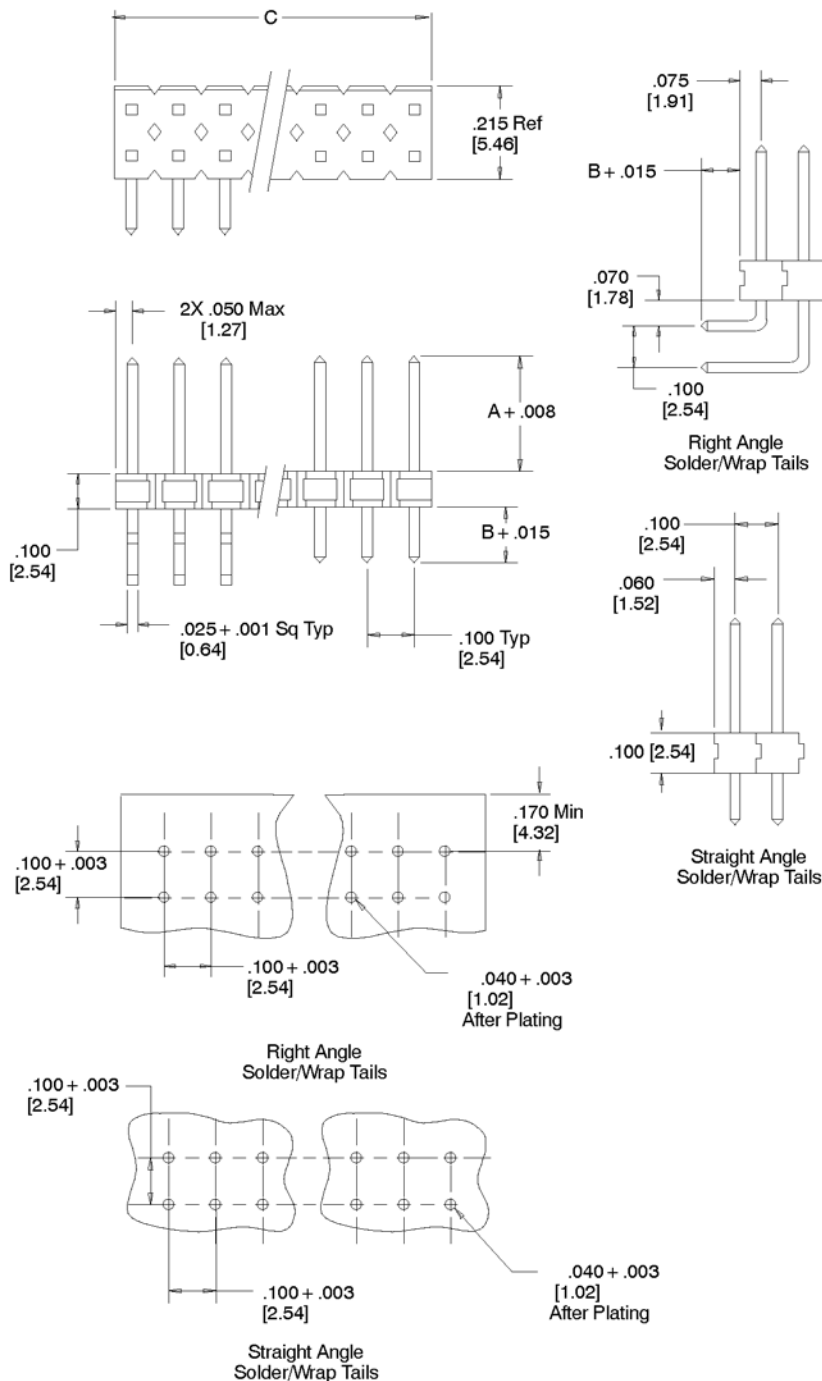
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3M™ Pin Strip Header

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

929 Series

Two Row



Recommended Hole Pattern

Notes:

- 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.
- 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

Table 2				
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]
	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]
	929667 Right Angle	01	0.235 [5.97]	0.110 [2.79]
		04		0.145 [3.68]
		02		0.405 [10.29]
	929745 Right Angle	01	0.318 [8.08]	0.100 [2.79]
		02		0.405 [10.29]
Tin	929836 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]
	929710 Straight	01	0.318 [8.08]	0.110 [2.79]
		11		0.125 [3.18]
		09		0.145 [3.68]
		10		0.175 [4.45]
		03		0.410 [10.41]
		06		0.710 [18.03]
	929838 Right Angle	01	0.235 [5.97]	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 = 10μ" [0.25μm] all over, PBT insulator
EU = 10μ" [0.25μm] 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" [2.54μm] tin-lead,
PBT insulator
RK = 200 u" [5 μm] matte tin,
PCT insulator (RoHS compliant)

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