

3M Worldwide : United States : Electronics Manufacturing

- 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
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    - 3M™ Vacuums & Accessories
    - 3M™ Warehousing & Packaging Supplies
    - 3M™ Wire Connectors

Product Catalog for Electronic Specialty Markets > 3M<sup>™</sup> Copper Interconnects > Headers > Pin Strip, .100 in x .100 in, 929 Series > Pin Strip Header, .100" x .100", .235" Straight & Right Angle >

36 contacts, .100" x .100", Tail Length .110", 10μ" gold plating.

□ Printer-friendly format 3M™ .100 in. Pin Strip Header (.235/.318 Mating Length), Right Angle, Gold Plating, 929667-01-36-I



[click to enlarge]

GTIN(UPC/EAN): 0 00 54007 80976 0

3M Id: 80-6200-2866-4

#### **Additional Information**

Learn More		
Packaging Data		

#### **Characteristics**

China RoHS - Below MCV	Yes	
Contact Material	Copper Alloy	
<b>Contact Termination Area Plating</b>	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	Black	
Insulation Flammability Rating	UL 94V-0	
Insulation Material	Glass Filled Polyester (PBT)	
Insulation Resistance	>5 X 10^9 Ohms @ 500 Vdc	
Interface Grid	.100"	
Interface Style	Pin Strip (Unshrouded Header)	
Markings	None	
Mounting Option	Mounting Flanges - 4-40 Threaded	
Non-Operating Temperature	-40 to 105 Degree Celsius	
Number of Contact Rows	2	
Number of Contacts	36	

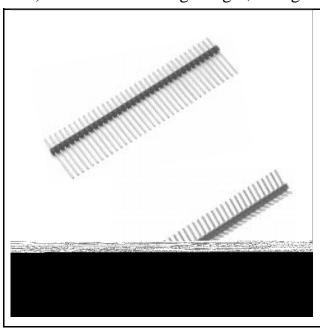
Orientation	Vertical
Pitch	0.100 Inch
Polarization	None
Primary Trademark Name	3M
Separable	Yes
Tail Length	.110 Inch
Termination Method	Solder Tail
Termination Style	Printed Circuit Board
Withstanding Voltage	1500 Vrms at Sea Level

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# 3M<sup>™</sup> 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  $500 \text{ V}_{DC}$ Withstanding Voltage:  $1500 \text{ V}_{RMS}$  at Sea Level

## **Environmental**

**Temperature Rating:**  $-40^{\circ}$ C to  $+105^{\circ}$ C

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

(PBT insulator version), maximum insulator temperature 191°C

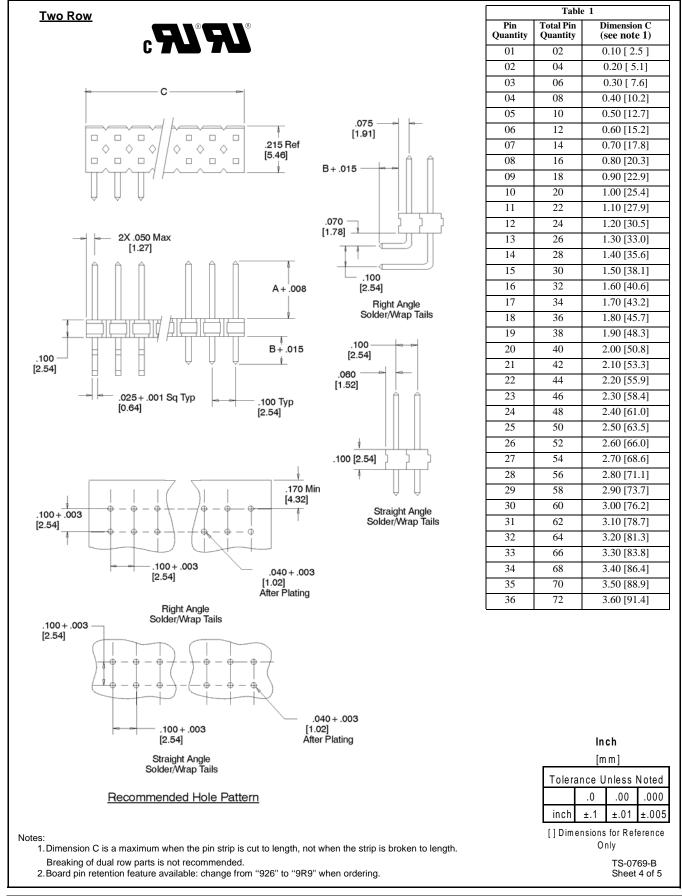
(Solder Wave Process Only)

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

UL File No.: E68080

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

929 Series



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

929 Series

### **Two Row**

Plating   Number   Code   A   B	Table 2							
Plating   Number   Code   A   B			Tail	Dimensions				
Gold 929715 Straight 01 0.235 [5.97] 0.110 [2.79] 0.145 [3.68] 0.210 [5.33] 0.410 [10.41] 0.510 [12.95] 0.610 [15.49] 0.125 [3.18] 0.10 [2.79] 0.125 [3.18] 0.10 [2.79] 0.145 [3.68] 0.175 [4.45] 0.10 [2.79] 0.145 [3.68] 0.10 [2.79] 0.145 [3.68] 0.10 [2.79] 0.145 [3.68] 0.10 [2.79] 0.145 [3.68] 0.10 [2.79] 0.145 [3.68] 0.210 [5.33] 0.235 [5.97] 0.145 [3.68] 0.210 [5.33] 0.235 [5.97] 0.145 [3.68] 0.210 [5.33		3M Part	Length					
Gold       09       0.145 [3.68]         929665       08       0.235 [5.97]       0.310 [7.87]         04       03       0.410 [10.41]       0.510 [12.95]         05       0.610 [15.49]       0.110 [2.79]         01       0.318 [8.08]       0.125 [3.18]         0.10 [10.41]       0.710 [18.03]         06       0.235 [5.97]       0.145 [3.68]         929667       01       0.235 [5.97]       0.145 [3.68]         Angle       02       0.235 [5.97]       0.145 [3.68]         929745       01       0.318 [8.08]       0.110 [2.79]         Right       02       0.318 [8.08]       0.110 [2.79]         929836       02       0.235 [5.97]       0.310 [7.87]         0.410 [10.41]       0.510 [12.95]       0.610 [15.49]         04       0.235 [5.97]       0.310 [7.87]         0.410 [10.41]       0.510 [12.95]       0.610 [15.49]         05       0.610 [15.49]       0.110 [2.79]         0.110 [2.79]       0.110 [2.79]       0.125 [3.18]         0.125 [3.18]       0.110 [2.79]       0.110 [2.79]         0.110 [2.79]       0.110 [2.79]       0.125 [3.18]         0.175 [4.45]       0.210 [5.33]       0.175 [4.	Plating	Number	Code	Α	В			
Gold         929665 Straight         02 08 08 04 04 05 05 05 06 06 06 06 06 07 0710 [2.79] 0.318 [8.08] 0.235 [5.97]         0.210 [5.33] 0.310 [7.87] 0.410 [10.41] 0.510 [12.95] 0.10 [2.79] 0.125 [3.18] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 0.110 [2.79]           929667 Right Angle         01 02 02 02 02 02 0.405 [10.29] 0.405 [10.29] 0.405 [10.29] 0.405 [10.29] 0.405 [10.29] 0.405 [10.29]           929745 Right         01 09 09 09 02 0.210 [5.33] 0.210 [5.33] 0.210 [5.33]           01 09 09 02 0.210 [5.33] 0.210 [5.33]           02 0.235 [5.97]         0.318 [8.08] 0.210 [5.33] 0.210 [5.33]           02 0.210 [5.33] 0.210 [5.33]         0.210 [5.33] 0.210 [5.33]           02 0.235 [5.97]         0.310 [7.87] 0.405 [10.29]           01 0.210 [2.79] 0.110 [2.79]         0.110 [2.79] 0.125 [3.18] 0.145 [3.68]           01 03 06 0710 [18.03]         0.318 [8.08] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03]           929838 Right         01 0.235 [5.97]         0.110 [2.79] 0.145 [3.68]			01		0.110 [2.79]			
Gold Straight 03 0.235 [5.97] 0.310 [7.87] 0.410 [10.41] 0.510 [12.95] 0.610 [15.49] 0.110 [2.79] 0.125 [3.18] 0.710 [18.03] 0.929745 01 0.318 [8.08] 0.110 [2.79] 0.405 [10.29] 0.235 [5.97] 0.405 [10.29] 0.145 [3.68] 0.235 [5.97] 0.145 [3.68] 0.235 [5.97] 0.110 [2.79] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.110 [2.79] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.110 [2.79] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 0.199838 01 0.235 [5.97] 0.110 [2.79] 0.110 [2			09	0.235 [5.97]	0.145 [3.68]			
Gold         08			02		0.210 [5.33]			
Gold 929715 5traight 01 0.318 [8.08] 0.110 [2.79] 0.125 [3.18] 0.175 [4.45] 0.175 [4.45] 0.175 [4.45] 0.175 [4.45] 0.175 [4.45] 0.175 [4.45] 0.175 [4.45] 0.175 [4.45] 0.170 [18.03] 0.175 [4.45] 0.110 [2.79] 0.110			80		0.310 [7.87]			
Gold 929715   11   0.318 [8.08]   0.110 [2.79]   0.125 [3.18]   0.410 [10.41]   0.710 [18.03]   0.105 [10.29]   0.235 [5.97]   0.145 [3.68]   0.295 [5.97]   0.145 [3.68]   0.295 [5.97]   0.145 [3.68]   0.295 [5.97]   0.145 [3.68]   0.295 [5.97]   0.145 [3.68]   0.295 [5.97]   0.145 [3.68]   0.295 [5.97]   0.145 [3.68]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.210 [2.79]   0.225 [3.18]			03		0.410 [10.41]			
Gold 929715   11			04		0.510 [12.95]			
Gold 929715   11			05		0.610 [15.49]			
Gold         929715 Straight         10 03         0.318 [8.08]         0.175 [4.45] 0.410 [10.41]           929667 Right Angle         01 02 02 02 02 02 02 02 03 03 03 03 03 03 04 02 02 03 03 04 05 05 05 06 07 03 03 03 03 03 03 03 03 03 03 03 03 03			01		0.110 [2.79]			
Straight   10	Gold	020715	11		0.125 [3.18]			
Tin    03	Gold		10	0.318 [8.08]	0.175 [4.45]			
Page 1		Otraignt	03		0.410 [10.41]			
Right Angle     04     0.235 [5.97]     0.145 [3.68]       929745 Right     01 0.318 [8.08]     0.405 [10.29]       929836 Straight     01 09 09 0.145 [3.68]     0.210 [5.33]       03 04 05 05 05 05 05 05 05 05 05 10 06 05 05 06 06 06 06 06 06 06 06 06 06 06 06 06			06					
Right Angle     0.4     0.235 [5.97]     0.145 [3.68]       929745 Right     01     0.318 [8.08]     0.110 [2.79]       929836 Straight     02     0.235 [5.97]     0.110 [2.79]       0.10     0.235 [5.97]     0.310 [7.87]       0.410 [10.41]       0.510 [12.95]       0.610 [15.49]       0.110 [2.79]       0.125 [3.18]       0.175 [4.45]       0.410 [10.41]       0.710 [18.03]       929838 Right     01 0.235 [5.97]     0.145 [3.68]       0.110 [2.79]       <		929667	01	0.235 [5.97]	0.110 [2.79]			
Tin    02		Right	04		0.145 [3.68]			
Right         02         0.318 [8.08]         0.405 [10.29]           929836 Straight         09 02 08 08 08 03 04 04 05 05 05 05 05 06 01 01 01 01 01 01 01 01 01 01 01 01 01		Angle	02		0.405 [10.29]			
Tin  Page 101  929836 Straight  01  09  02  02  03  02  0.235 [5.97]  0.310 [7.87]  0.410 [10.41]  0.510 [12.95]  0.610 [15.49]  0.110 [2.79]  0.110 [2.79]  0.110 [2.79]  0.115 [3.68]  0.145 [3.68]  0.145 [3.68]  0.145 [3.68]  0.175 [4.45]  0.410 [10.41]  0.710 [18.03]  929838  01  Right  04  0.235 [5.97]  0.10 [2.79]  0.115 [3.68]		929745	01	0.318 [8.08]	0.110 [2.79]			
Tin  929836 Straight  03  0.235 [5.97]  0.310 [7.87]  0.410 [10.41]  0.510 [12.95]  0.610 [15.49]  0.115 [3.68]  0.210 [5.33]  0.410 [10.41]  0.510 [12.95]  0.610 [15.49]  0.110 [2.79]  0.125 [3.18]  0.145 [3.68]  0.145 [3.68]  0.175 [4.45]  0.410 [10.41]  0.710 [18.03]  929838  01  0.235 [5.97]  0.145 [3.68]  0.175 [4.45]  0.410 [10.41]  0.710 [18.03]		Right	02		0.405 [10.29]			
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Tin			09		0.145 [3.68]			
Tin			02		0.210 [5.33]			
Tin  03 04 04 0.510 [12.95] 05 0.610 [15.49] 0.110 [2.79] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 0.235 [5.97] 0.145 [3.68]			80	0.235 [5.97]	0.310 [7.87]			
Tin  05 0.610 [15.49] 01 11 929710 09 Straight 10 0.318 [8.08] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 929838 01 Right 04 0.235 [5.97] 0.610 [15.49] 0.110 [2.79]			03		0.410 [10.41]			
Tin  929710 929710 Straight 10 0.318 [8.08] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 929838 01 Right 04 0.235 [5.97] 0.145 [3.68]	Tin		04		0.510 [12.95]			
11 929710 09 0.318 [8.08] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 929838 01 0.235 [5.97] 0.145 [3.68]			05		0.610 [15.49]			
929710 09 0.318 [8.08] 0.125 [3.18] 0.145 [3.68] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 0.929838 01 0.195 [3.68] 0.145 [3.68] 0.110 [2.79] 0.145 [3.68]			01	0.318 [8.08]	0.110 [2.79]			
Straight 10 0.318 [8.08] 0.175 [4.45] 0.410 [10.41] 0.710 [18.03] 929838 01 0.235 [5.97] 0.145 [3.68]	1111		11		0.125 [3.18]			
929838 01 0.235 [5.97] 0.145 [3.68]			09		0.145 [3.68]			
929838 01 0.235 [5.97] 0.145 [3.68]			10		0.175 [4.45]			
929838 01 0.110 [2.79] Right 04 0.235 [5.97] 0.145 [3.68]			03		0.410 [10.41]			
Right 04 0.235 [5.97] 0.145 [3.68]			06		0.710 [18.03]			
		929838	01	0.235 [5.97]	0.110 [2.79]			
Angle 02 0.405 [10.29]		Right	04		0.145 [3.68]			
		Angle	02		0.405 [10.29]			

