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

Printer-friendly format

3M™ .100 in. Pin Strip Header (.318 Mating Length), Straight, Gold Plating, 929715-01-36-I

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

[click to enlarge]

GTIN(UPC/EAN) : 0 00 54007 81367 5
3M Id : 80-6200-4327-5

Additional Information

Learn More . . .

Packaging Data

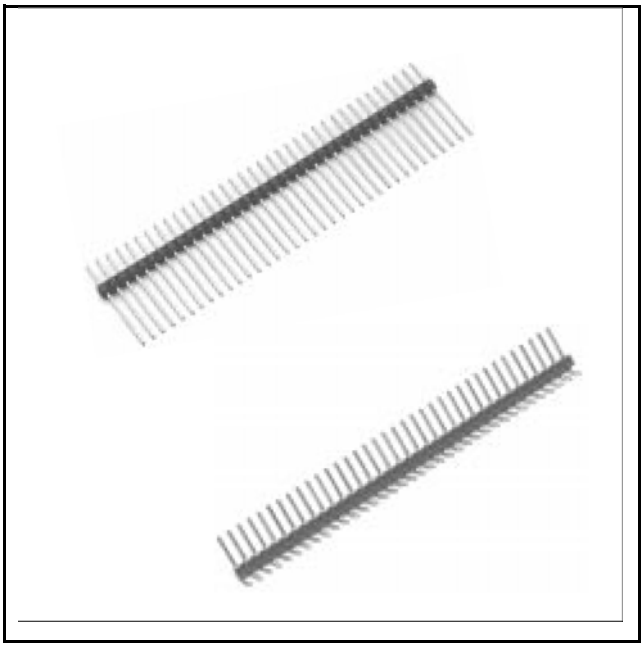
Characteristics

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

Orientation	Horizontal
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

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

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

Electrical

Current Rating:	2.5 A
Insulation Resistance:	$> 5 \times 10^9 \Omega$ at 500 V_{DC}
Withstanding Voltage:	1500 V_{RMS} at Sea Level

Environmental

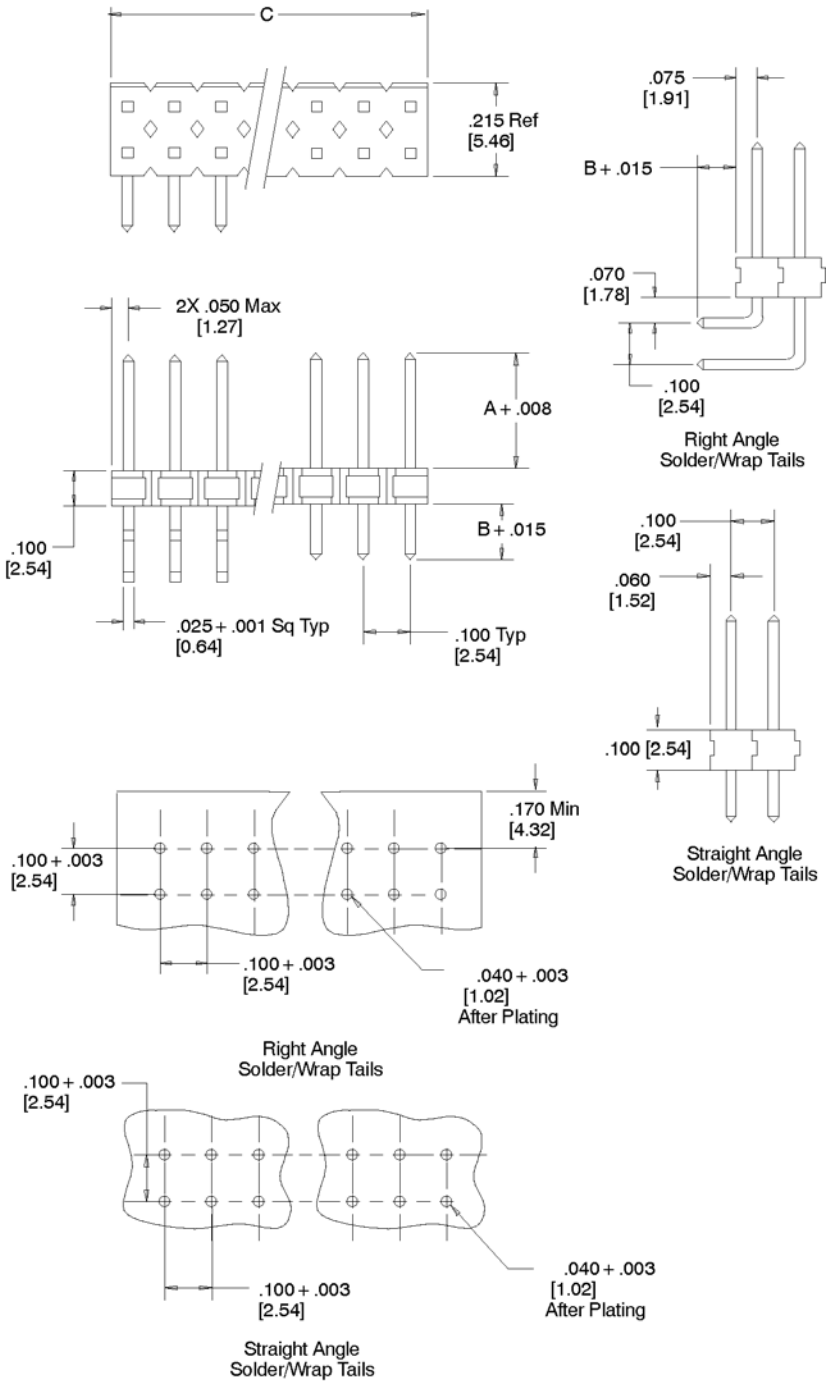
Temperature Rating:	-40°C to +105°C
Process Rating:	260°C (per J-STD-020C) for PCT parts only (PBT insulator version), maximum insulator temperature 191°C (Solder Wave Process Only)
Moisture Sensitivity Level:	1 (per J-STD-020C) for PCT parts only

UL File No.: E68080

3M™ Pin Strip Header

.100″, .235″/.318″ Mating Length, Straight & Right Angle, Solder Tails 929 Series

Two Row



Recommended Hole Pattern

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

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.

3M™ Pin Strip Header

.100″, .235″/.318″ Mating Length, Straight & Right Angle, Solder Tails 929 Series

Two Row

Table 2

Plating	3M Part Number	Tail Length Code	Dimensions A	Dimensions 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	01	0.318 [8.08]	0.110 [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 = 10 µ″ [0.25 µm] all over, PBT insulator (RIA E1 & C1 apply)
  EU = 10 µ″ [0.25 µm] all over, PCT insulator (RIA E1 & C1 apply)

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 = 100 µ" [2.54 µm] tin-lead, PBT insulator (RIA E1 & C1 apply)
  RK = 200 µ" [5 µm] matte tin, PCT insulator (RIA E1 & C1 apply)