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

Printer-friendly format

3M™ .100 in. Pin Strip Header (.318 Mating Length), Right Angle, Tin Plating, 929730-01-36

36 contacts, .100" x .100", Tail Length .110", Tin lead plating.

[click to enlarge]

GTIN(UPC/EAN) : 0 00 54007 81486 3
3M Id : 80-6200-4895-1

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.

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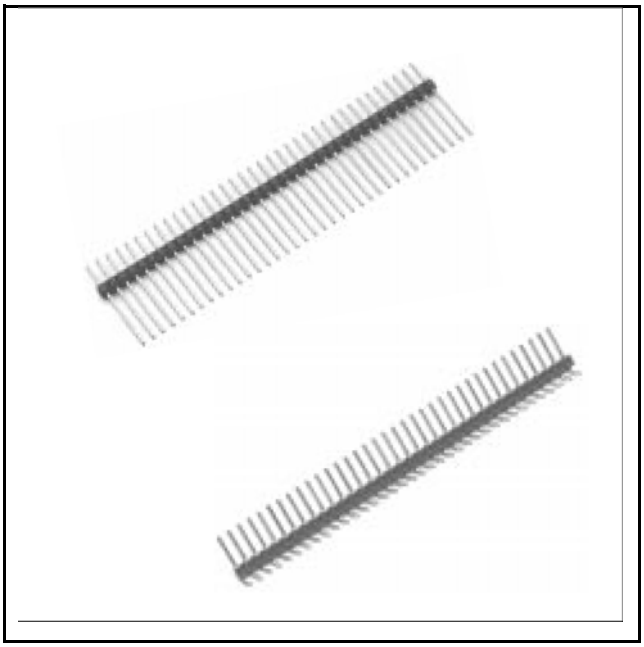
Characteristics

China RoHS - Below MCV	No
Contact Material	Copper Alloy
Contact Termination Area Plating	None
Contact Underplating	50 µ" [1.27 µm] Nickel
Contact Wiping Area Plating	100 µ" [2.54 µm] 90/10 Tin/Lead
Current Rating	2.5 Ampere
Dual Insulator	No
EPC Can View	Public

EU RoHS Compliant	No
Insulation Color	Gray
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	1
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

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

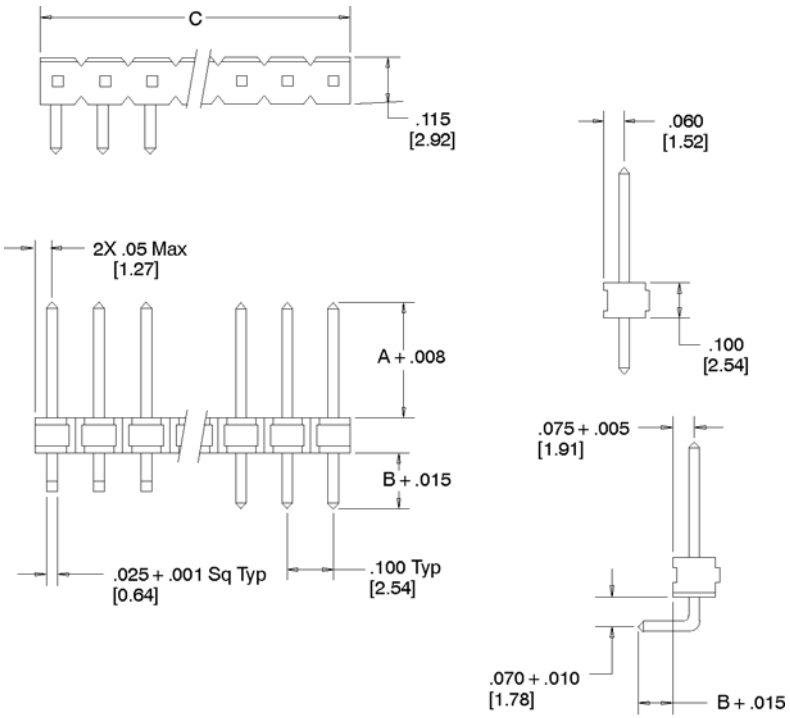
Temperature Rating:	-40°C to +105°C
Process Rating:	260°C (per J-STD-020C) for PCT parts only (PBT insulator version), maximum insulator temperature 191°C (Solder Wave Process Only)
Moisture Sensitivity Level:	1 (per J-STD-020C) for PCT parts only

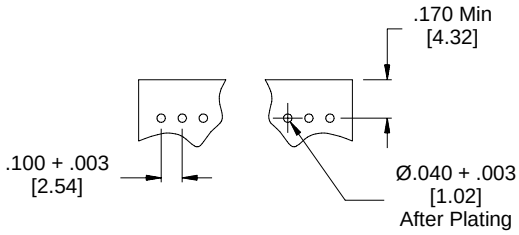
UL File No.: E68080

3M™ Pin Strip Header

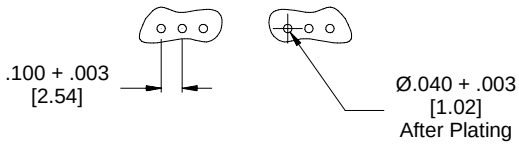
.100″, .235″/.318″ Mating Length, Straight & Right Angle, Solder Tails 929 Series

One Row





Right Angle
Solder/Wrap Tails



Straight
Solder/Wrap Tails

Recommended Hole Pattern

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

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.

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	Dimensions 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]	0.110 [2.79]
		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	0.235 [5.97]	0.110 [2.79]
	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

Gold

929XXX-XX-XX-XX

- XXX — Mating Length Dim A (see table1)
- XX — Tail Length Code (see table 1)
- XX — Pin Quantity (see table 2)
- XX — Gold Plating Suffix
  Location & Thickness (see table 1)
  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

- XXX — Mating Length Dim B (see table 1)
- XX — Tail Length Code (see table 1)
- XX — Pin Quantity (see table 2)
- XX — Plating Suffix:
  blank = 100 µ" [2.54 µm] tin-lead, PBT insulator (RIA E3 & C2 apply)
  RK = 200 µ" [5 um] matte tin, PCT insulator (RIA E1 & C1 apply)