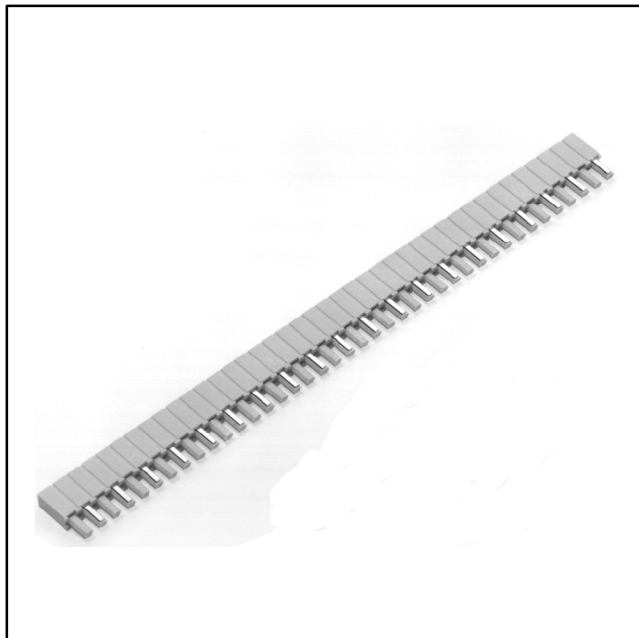


3M™ Pak 100 Thru-Board Socket

.100" and .100" × .100" Straight, Solder Tails

929 Series



- 3-40 contacts on one row, 4-80 on two row
- Single hole board preparation simplifies board layout
- No solder mask preparation speeds manufacturing assembly
- Top mounting allows single pass for wave soldering

Date Modified: May 30, 2003

TS-0814-02
Sheet 1 of 2

Physical

Insulation

Material: Glass Filled Polyester (PET)
Flammability: UL 94V-0
Color: Gray

Contact

Material: Copper Alloy

Plating

Underplating and U-Slot: 100 μ " [2.54 μ m] Nickel — QQ-N-290, Class 2
Wiping Area Options: See Ordering Information
Solder Tails: 100 μ " [2.54 μ m] Tin Lead — MIL-P-81728

Electrical

Current Rating: 2 A
Insulation Resistance: $> 1 \times 10^9 \Omega$ 500 Vdc
Withstanding Voltage: 1000 Vrms at Sea Level

Environmental

Temperature Rating: -55°C to 105°C

UL File No.: E68080

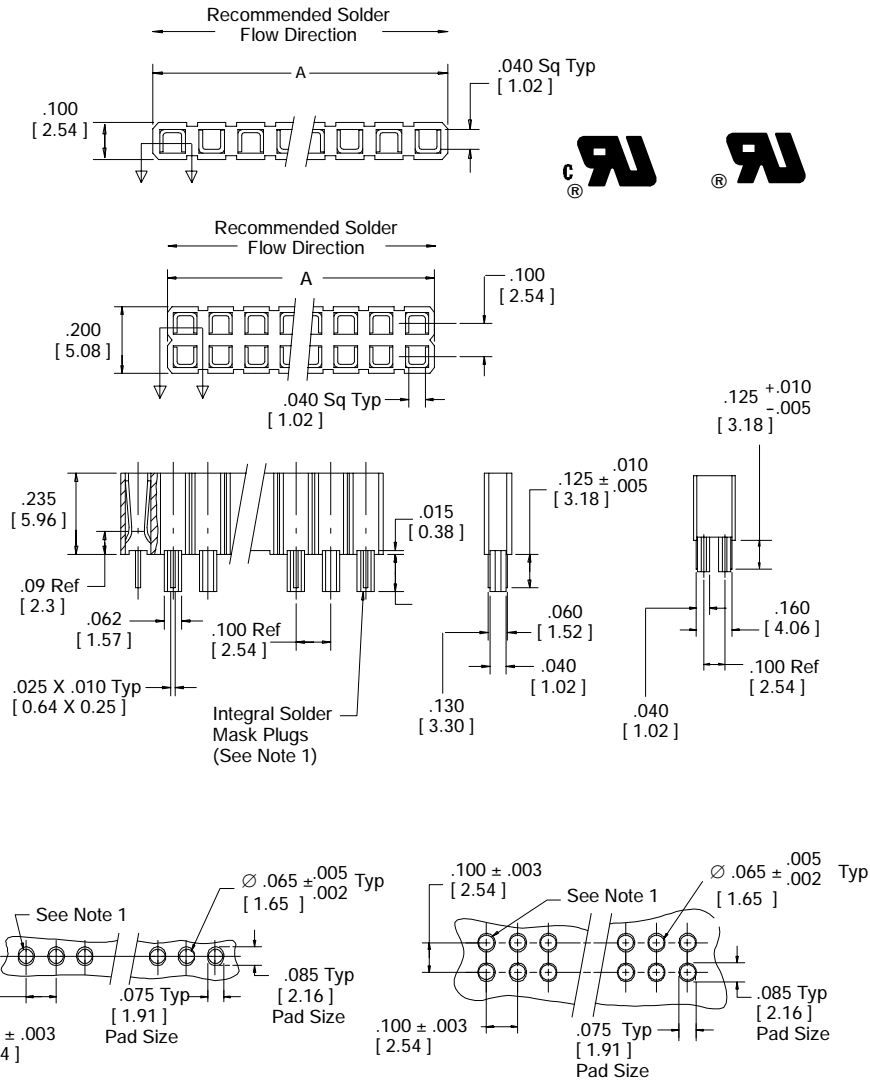
3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Pak 100 Thru-Board Socket

.100" and .100" × .100" Straight, Solder Tails

929 Series



Recommended Mounting Hole Pattern

Contact Quantity		Dimension A +0.00 [+0.00] -0.025 [-.64]
One Row	Two Row	
	04	0.20 [5.08]
03	06	0.30 [7.62]
04	08	0.40 [10.16]
05	10	0.50 [12.70]
06	12	0.60 [15.24]
07	14	0.70 [17.78]
08	16	0.80 [20.32]
09	18	0.90 [22.86]
10	20	1.00 [25.40]
11	22	1.10 [27.94]
12	24	1.20 [30.48]
13	26	1.30 [33.02]
14	28	1.40 [35.56]
15	30	1.50 [38.10]
16	32	1.60 [40.64]
17	34	1.70 [43.18]
18	36	1.80 [45.72]
19	38	1.90 [48.26]
20	40	2.00 [50.80]
21	42	2.10 [53.34]
22	44	2.20 [55.88]
23	46	2.30 [58.42]
24	48	2.40 [60.96]
25	50	2.50 [63.50]
26	52	2.60 [66.04]
27	54	2.70 [68.58]
28	56	2.80 [71.12]
29	58	2.90 [73.66]
30	60	3.00 [76.20]
31	62	3.10 [78.74]
32	64	3.20 [81.28]
33	66	3.30 [83.82]
34	68	3.40 [86.36]
35	70	3.50 [88.90]
36	72	3.60 [91.44]
37	74	3.70 [93.98]
38	76	3.80 [96.52]
39	78	3.90 [99.06]
40	80	4.0 [101.60]

Notes:

1. It is recommended that the plated thru-hole on the ends be .062" to .063". this will prevent the connector from floating during the wave soldering process.
2. Integral solder mask plugs are removed after soldering by using the 3M Hand Tool 929013 with the 3M Molded Head 929025-0X-XX or 3M Hand Tool 929012 with the 3M Press 929050.
3. Do not hand solder this connector because the solder heat and volume of solder cannot be adequately controlled. This would make the integral plugs difficult or impossible to remove.
4. The connector should be flow soldered such that it enters the solder wave, end first (width).
5. Request tech brief for proper application usage.

Inch
[mm]

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

[] Dimensions for
Reference only

Ordering Information

929XXX-01-XX-XX

Plating Options:

1 Row	2 Row
841 = Gold	842 = Gold
971 = 100 μ" [2.54 μm]	972 = 100 μ" [2.54 μm]
Tin Lead	Tin Lead

Contact Quantity:
(per row)
See Table

Gold Plating Thickness:
10 = Wiping Area 10 μ" [0.25 μm] Gold
30 = Wiping Area 30 μ" [0.76 μm] Gold

(No entry required for Tin Lead plating)

TS-0814-02
Sheet 2 of 2

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



Electronic and Interconnect Solutions Division

6801 River Place Blvd.
Austin, TX 78726-9000
www.3M.com/eisd

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**