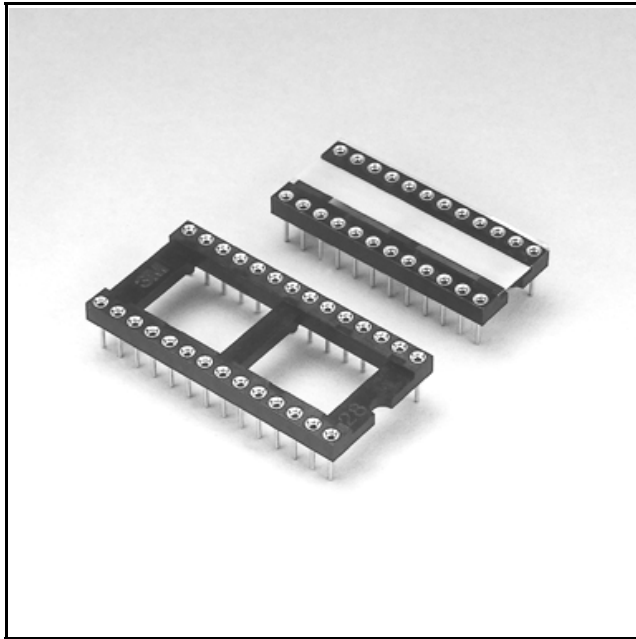


3M™ DIP Socket

Screw Machine

100 Series



- Accepts various DIP packages
- Reliable four finger contact interface
- Unique body design prevents air voids during soldering
- Inner contact aligned to maximize contact surface area
- Optional seal tape for closed-body configuration
- RoHS* compliant version available

Date Modified: August 21, 2006

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Sheet 1 of 2

Physical

Insulation Material: Glass Filled PPS

Flammability: UL 94V-0

Color: Black

Contact Material:

Sleeve: Brass

Inner contact: Beryllium Copper

Plating: Underplating: 100 μ " [2.54 μ m] min. Nickel

Wiping Area: 8 μ " [0.2 μ m] min. Gold

Terminal Area: 79 μ " [2 μ m] min. Tin/Lead or Gold Flash (RoHS compliant)

Seal Tape (optional):

Material: Polyester

Color: White

Mating Device Leads:

Rectangular Lead: W 0.38~0.50 mm X T 0.20~0.40 (0.50 mm max. Diagonal)

Circular Lead: ϕ 0.40~0.50 mm

Length: 2.9 mm min.

Electrical

Current Resistance: < 25m Ω

Current Rating: 1 A

Insulation Resistance: 1,000 M Ω at 500 VDC

Withstanding Voltage: 1000V AC rms for 1 minute

Environmental

Temperature Rating: -65°C to +125°C

Solder Heat Resistance: 260°C MAX for 5 seconds,
(Dipping: One time)
Not for reflow soldering.

"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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800-225-5373

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Screw Machine

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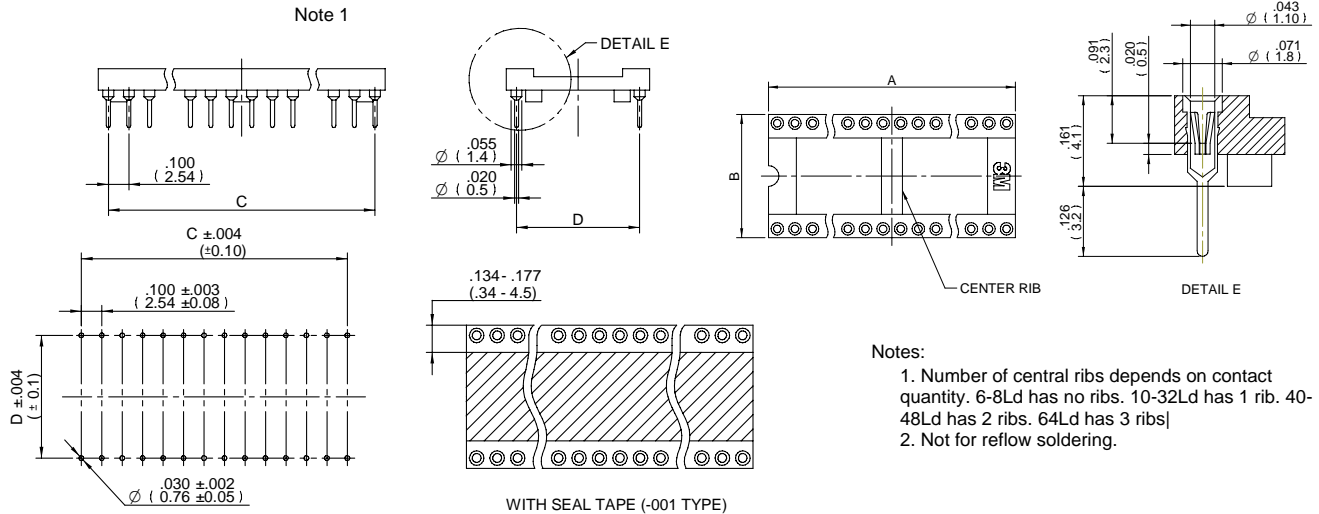
Contact Quantity	Description	Dim A	Dim B	Dim C	Dim D
6	100-006-0XX	.300 [7.62]	.400 [10.16]	.200 [5.08]	.300 [7.62]
8	100-008-0XX	.400 [10.16]	.400 [10.16]	.300 [7.62]	.300 [7.62]
10	100-010-0XX	.500 [12.70]	.400 [10.16]	.400 [10.16]	.300 [7.62]
14	100-014-0XX	.700 [17.78]	.400 [10.16]	.600 [15.24]	.300 [7.62]
16	100-016-0XX	.800 [20.32]	.400 [10.16]	.700 [17.78]	.300 [7.62]
18	100-018-0XX	.900 [22.86]	.400 [10.16]	.800 [20.32]	.300 [7.62]
20	100-020-0XX	1.000 [25.40]	.400 [10.16]	.900 [22.86]	.300 [7.62]
22	100-022-0XX	1.100 [27.94]	.500 [12.70]	1.000 [25.4]	.400 [10.16]
24	130-024-0XX	1.200 [30.48]	.400 [10.16]	1.100 [27.94]	.300 [7.62]
24	110-024-0XX	1.200 [30.48]	.500 [12.70]	1.100 [27.94]	.400 [10.16]
24	100-024-0XX	1.200 [30.48]	.700 [17.78]	1.100 [27.94]	.600 [15.24]
28	130-028-0XX	1.400 [35.56]	.400 [10.16]	1.300 [33.02]	.300 [7.62]
28	100-028-0XX	1.400 [35.56]	.700 [17.78]	1.300 [33.02]	.600 [15.24]
32	100-032-0XX	1.600 [40.64]	.700 [17.78]	1.500 [38.10]	.600 [15.24]
40	100-040-0XX	2.000 [50.80]	.700 [17.78]	1.900 [48.26]	.600 [15.24]
42	100-042-0XX	2.100 [53.34]	.700 [17.78]	2.000 [50.80]	.600 [15.24]
48	100-048-0XX	2.400 [60.96]	.700 [17.78]	2.300 [58.42]	.600 [15.24]
64	100-064-0XX	3.200 [81.28]	1.00 [25.40]	3.100 [78.74]	.900 [22.86]

Inch
[mm]

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

[] Dimensions for Reference Only

Note 1



Notes:

- Number of central ribs depends on contact quantity. 6-8Ld has no ribs. 10-32Ld has 1 rib. 40-48Ld has 2 ribs. 64Ld has 3 ribs
- Not for reflow soldering.

Ordering Information

Body Width:
 0 = Standard (See Table)
 1 = .400 in (24 Ld only)
 3 = .300 in (Thin 24 Ld & 28 Ld only)

Contact Quantity
(See Table)

1X0-0XX-0XX

Tail plating:
 0 = Tin-lead
 5 = Gold flash (RoHS compliant)

Seal Tape:
 0 = Without Seal Tape
 1 = With Seal Tape

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 Sheet 2 of 2

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