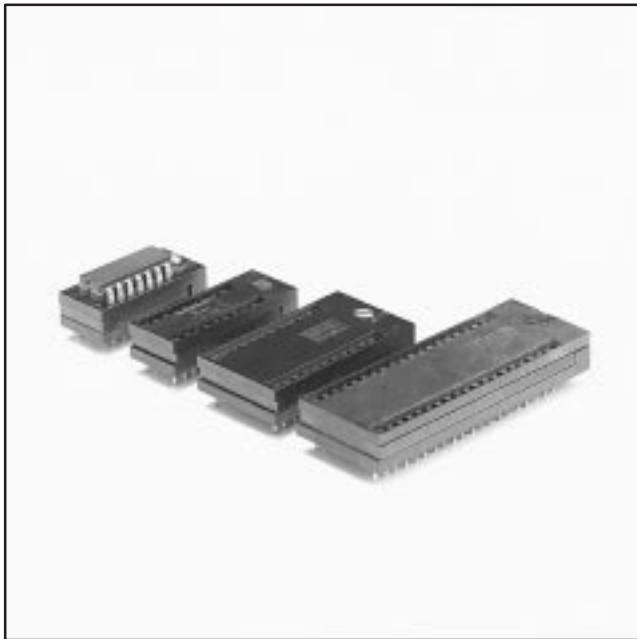


# OEM ZIP DIP Sockets



- BeCu contacts assure continuity with very short path to P.C. trace
- Contact design prevents solder bridging and wicking
- Zero insertion/extraction force achieved with simple cam rotation using a screwdriver
- For use where package field replacement or re-programming is required for DIP's
- Socket contact point of .110" (2.79 mm) below top surface of socket
- Pin counts available from 14 through 64 leads on .100" (2.54 mm) centers

Date Issued: October 29, 2001

TS-0360-13  
Sheet 1 of 2

9.

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## Physical

### Insulation

Material: Glass Filled Polyetherimide ( PEI )  
Flammability: UL 94V-0  
Color: Black  
Marking: Raised Letters: Textool/3M Logo & Part Identification

### Contact

Material: Beryllium Copper  
Plating  
Underplate: 75  $\mu$ " [ 1.91  $\mu$ m ] Copper – MIL-C-14550  
Wiping Area & Solder Tails: 250  $\mu$ " [ 6.35  $\mu$ m ] Tin – MIL-T -10727A  
Optional Plating  
Underplate: 50  $\mu$ " [ 1.27  $\mu$ m ] Nickel  
Wiping Area & Solder Tails: Gold Flash

### Cam

Material: Zinc

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## Electrical

**Current Rating:** 1 A  
**Insulation Resistance:**  $> 1 \times 10^{12} \Omega$  at 500 Vdc  
**Withstanding Voltage:** 1000 Vrms at Sea Level

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## Mechanical

**Durability:** 100 actuations  
**Normal Force:** 150 grams average per contact

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## Environmental

**Temperature Rating Operating:** - 55 °C to +105 °C

UL File No.: E68080

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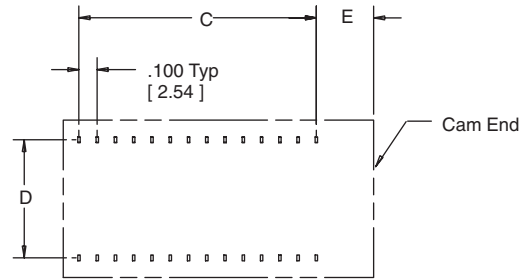
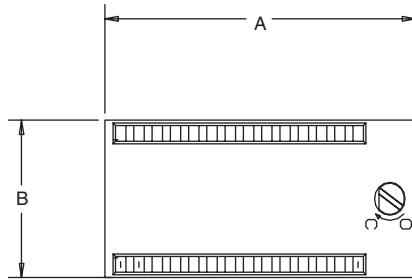
### 3M Electronic Handling and Protection Division

6801 River Place Blvd.  
Austin, TX 78726-9000

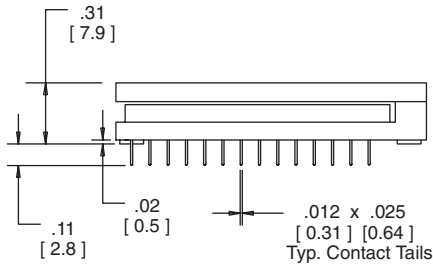
For technical, sales or ordering information call **800-328-0411**  
or visit our website: <http://www.3M.com/ehpd>

# OEM ZIP DIP Sockets

Lead Count	Dimensions				
	A	B	C	D	E
14	1.00 [ 25.4 ]	.50 [ 12.7 ]	.600 [ 15.24 ]	.300 [ 7.62 ]	.318 [ 8.08 ]
16	1.10 [ 28.0 ]	.49 [ 12.5 ]	.700 [ 17.78 ]	.300 [ 7.62 ]	.316 [ 8.02 ]
20	1.30 [ 33.0 ]	.50 [ 12.7 ]	.900 [ 22.86 ]	.300 [ 7.62 ]	.318 [ 8.08 ]
24	1.50 [ 38.1 ]	.80 [ 20.3 ]	1.100 [ 27.94 ]	.600 [ 15.24 ]	.318 [ 8.08 ]
28	1.70 [ 43.2 ]	.80 [ 20.2 ]	1.300 [ 33.02 ]	.600 [ 15.24 ]	.316 [ 8.02 ]
32	1.90 [ 48.3 ]	.80 [ 20.2 ]	1.500 [ 38.1 ]	.600 [ 15.24 ]	.316 [ 8.02 ]
40	2.30 [ 58.4 ]	.80 [ 20.3 ]	1.900 [ 48.26 ]	.600 [ 15.24 ]	.318 [ 8.08 ]
64	3.54 [ 89.9 ]	1.10 [ 27.9 ]	3.100 [ 78.74 ]	.900 [ 22.86 ]	.360 [ 9.14 ]



**P.C. Board Pattern**



Dimension	Tolerance	
	inch (mm)	inch (mm)
	.00 (.0)	.000 (.00)
Tolerance	± .010 (± .25)	± .005 (± .13)

**Notes:**

- When soldering to a P.C. Board the contacts must be in the **open position**. Do not crimp leads for mounting during soldering.
- The cam mechanism in these sockets has been designed to operate with a torque level of 2 in-lbs max. Exceeding this torque level could cause damage to the socket.

## Ordering Information

Lead Count	Part Number	Distance Between Rows
14	214-4839-00-3303	.300 [ 7.62 ]
16	216-6278-00-3303	.300 [ 7.62 ]
20	220-4842-00-3303	.300 [ 7.62 ]
24	224-4844-00-3303	.600 [ 15.24 ]
28	228-1296-00-3303	.600 [ 15.24 ]
32	232-1297-00-3303	.600 [ 15.24 ]
40	240-4846-00-3303	.600 [ 15.24 ]
64	264-5200-00-3303	.900 [ 22.86 ]