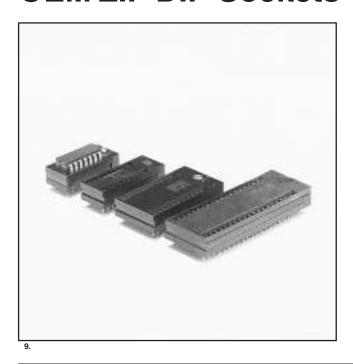
## **OEM ZIF DIP Sockets**



- · 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: January 12, 2004

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**Physical** 

**Insulation** 

Material: Glass Filled Polyethermide (PEI)

Flammability: UL 94V-0 Color: Black

Marking: Raised Letters: Part Identification

Contact

Material: Beryllium Copper

Plating

Underplate: 75 µ" [ 1.91 µm ] Copper – MIL-C-14550 Wiping Area & Solder Tails:  $250 \mu$ " [  $6.35 \mu$ m ] Tin – MIL-T -10727A

**Optional Plating** 

Underplate:  $50~\mu\text{"}$  [  $1.27~\mu\text{m}$  ] Nickel Wiping Area & Solder Tails: Gold Flash

Cam Material: Zinc

#### **Electrical**

**Current Rating:** 1 A

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

#### Mechanical

**Durability:** 100 actuations

Normal Force: 150 grams average per contact

#### **Environmental**

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

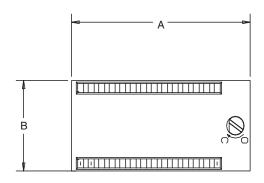
UL File No.: E68080

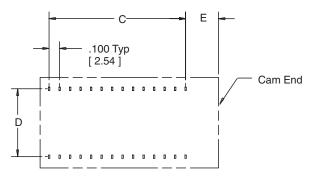
**3M Electronic Solutions Division** 

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# **OEM ZIF DIP Sockets**

	Dimensions					
Lead Count	A	В	C	D	E	
16	1.10 [ 28.0 ]	.49 [ 12.5 ]	.700 [ 17.78 ]	.300 [ 7.62 ]	.316 [ 8.02 ]	
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 ]	





.31 [7.9] .02 .012 x .025 [0.5] .11 [ 0.31 ] [0.64 ] Typ. Contact Tails [ 2.8 ]

P.C. Board Pattern

Tolerance $\frac{\text{inch}}{(\text{mm})}$					
Dimension	.00	.000			
Tolerance	±.010 (±.25)	± .005 (± .13)			

- 1. When soldering to a P.C. Board the contacts must be in the **open position**.
- Do not crimp leads for mounting during soldering.

  2. 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
16	216-6278-00-3303	.300 [ 7.62 ]
28	228-1296-00-3303	.600 [ 15.24 ]
32	232-1297-00-3303	.600 [ 15.24 ]

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