

Test & Burn-In Grid ZIP Sockets

Pin Grid Arrays



- Lever actuated zero insertion force mechanism
- Rugged 3-plate construction for durability and electrical reliability
- Available in 10 x 10 through 25 x 25 matrices
- PTFE coated stainless steel handle - durable and safe in high humidity environment
- Optical locating holes for robotics loading/unloading
- Repairable - contacts, handles, top-plate, and cam plate are replaceable
- Available with flush handle option for use with test probes and ease of board stacking

Date Issued: November 1, 1999

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Physical

Insulation

Material: Polyethersulfone (PES)
Flammability: UL 94V-0
Color: Black (PES)

Marking: Part Number Identifier and Logo on All

Cam Handle

Material: Stainless Steel

Contact

Material: Beryllium Copper
Plating: 30 μ l (0.76 mm) Gold – MIL-G-45204, Type II, Grade C, over 50 μ l (1.3 mm) Nickel QQ-N-290A, Class 2

Electrical

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

Environmental

Operating Temperature Rating: PES: - 55 °C to + 150 °C

Mechanical

- PES/BeCu**
- A. When used as a test socket at room temperature 24°C the socket will last 25,000 actuations.
 - B. Based on field experience, under normal burn-in conditions up to a maximum of 150°C for PES, the socket should last an average of four years.

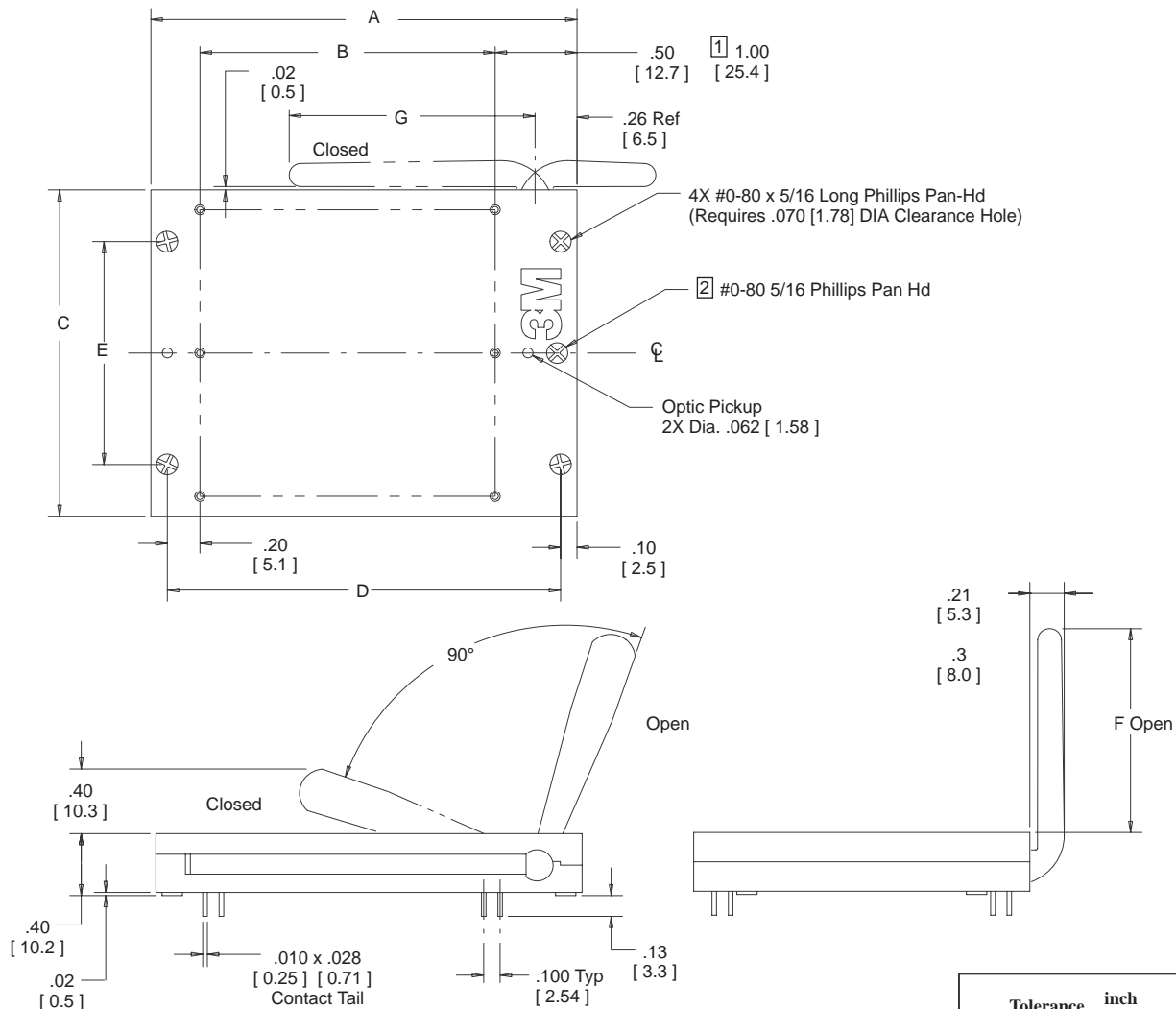
3M Electronic Handling and Protection Division

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>

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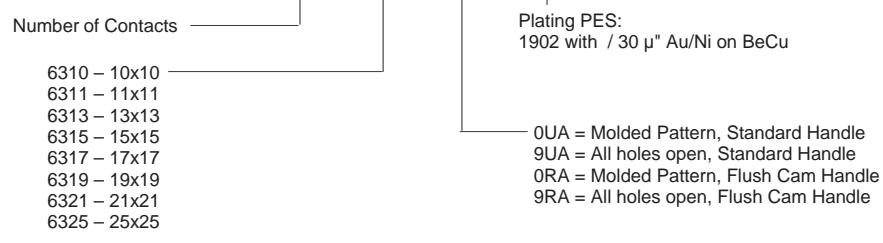


- Notes:
- 1 25 x 25 only.
 - 2 Present only on 15 x 15 and larger

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

Ordering Information

2XXX-63XX-XXX-1902



Note: Ten hole plugs can be ordered separately part #200-4660-14-1900.

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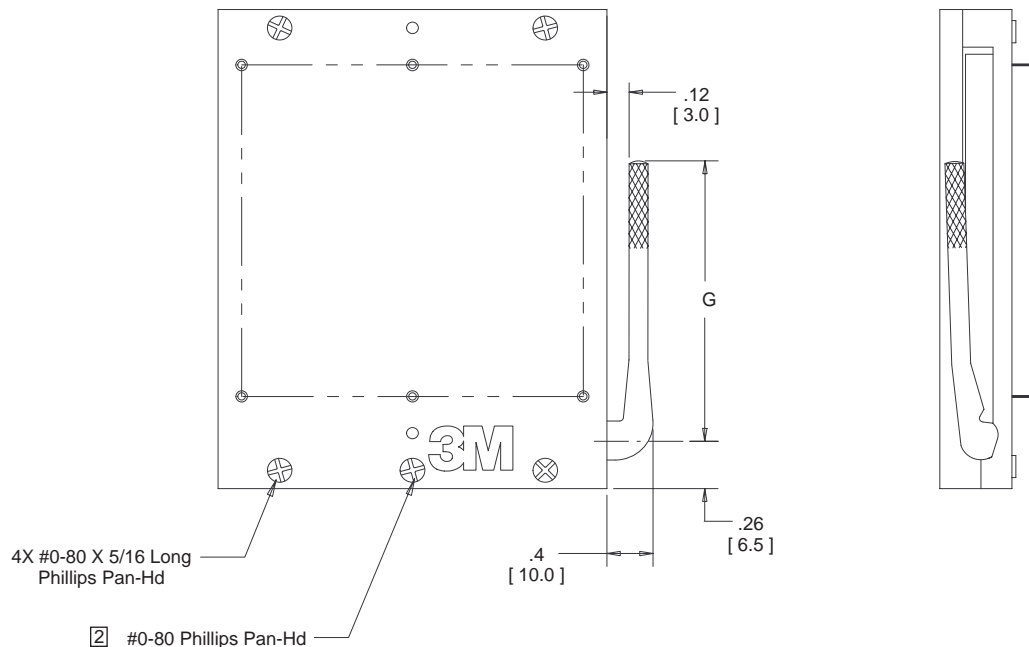
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Grid Matrix	Maximum Contact Quantity	Dimensions						Dimension G Cam Handle	
		A	B	C	D	E	F	Standard	**Flush
10 x 10	100	1.70 [43.2]	.90 [22.9]	1.15 [29.2]	1.50 [38.1]	.90 [22.9]	.80 [20.3]	.80 [20.3]	1.00 [25.4]
11 x 11	121	1.80 [45.7]	1.00 [25.4]	1.25 [31.8]	1.60 [40.6]	1.00 [25.4]	.80 [20.3]	.80 [20.3]	1.00 [25.4]
13 x 13	169	2.00 [50.8]	1.20 [31.8]	1.45 [36.8]	1.80 [45.7]	1.00 [25.4]	.80 [20.3]	.80 [20.3]	1.00 [25.4]
15 x 15	225	2.20 [55.9]	1.40 [35.6]	1.65 [41.9]	2.00 [50.8]	1.20 [30.5]	1.30 [33.0]	1.40 [35.6]	1.50 [38.1]
17 x 17	289	2.40 [61.0]	1.60 [40.6]	1.85 [47.0]	2.20 [55.9]	1.20 [30.5]	1.30 [33.0]	1.40 [35.6]	1.50 [38.1]
19 x 19	361	2.60 [66.0]	1.80 [45.7]	2.05 [52.1]	2.40 [61.0]	1.40 [35.6]	1.70 [43.2]	1.80 [45.7]	1.90 [48.2]
21 x 21	441	2.80 [71.1]	2.00 [50.8]	2.25 [57.2]	2.60 [66.0]	1.40 [35.6]	1.70 [43.2]	1.80 [45.7]	1.90 [48.2]
25 x 25	625	3.70 [94.0]	2.40 [61.0]	2.65 [67.3]	3.50 [88.9]	2.00 [50.8]	2.58 [65.5]	2.78 [70.6]	2.78 [70.6]

**For -0RA and -9RA flush cam handle option only



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