

# 3M Textool, Interstitial Pin Grid Array Test & Burn-In Sockets



- 19 X 19 outer matrix with 18 X 18 inner staggered matrix holds up to 685 leads.
  - Lever actuated, zero insertion force mechanism.
  - Rugged, 3-plate construction for durability and electrical reliability.
  - Accommodates two lead diameter variations  
.25 - .40 mm (.010" - .016") inquire\*  
.35 - .51 mm (.014" - .020") available
- \*Note : Please contact 3M customer service for availability.

34

Date Issued: June 20, 2001

TS-1358-04  
Sheet 1 of 3

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## Physical

Insulation:  
Material: Polyethersulfone (PES)  
Flammability: UL 94V-0  
Color: Black  
Cam Handle:  
Material: Aluminum Alloy, Die Cast  
Contact:  
Material: Beryllium Copper  
Plating: 30  $\mu$ m (0.76  $\mu$ m) Gold over 50  $\mu$ m (1.3  $\mu$ m) Nickel  
Other Metal Parts: Stainless Steel  
Marking: 3M Logo / Textool Logo

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## Electrical

Insulation Resistance: >500M $\Omega$  at 500 Vdc  
Dielectric Withstanding Voltage: 500 Vrms at Sea Level  
Initial Contact Resistance: 25 $\Omega$  max. initially  
Current Rating: 1.0 A max.

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## Environmental

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

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## Mechanical

Durability: When used as a test socket at room temperature the socket will last 3,000 actuations.

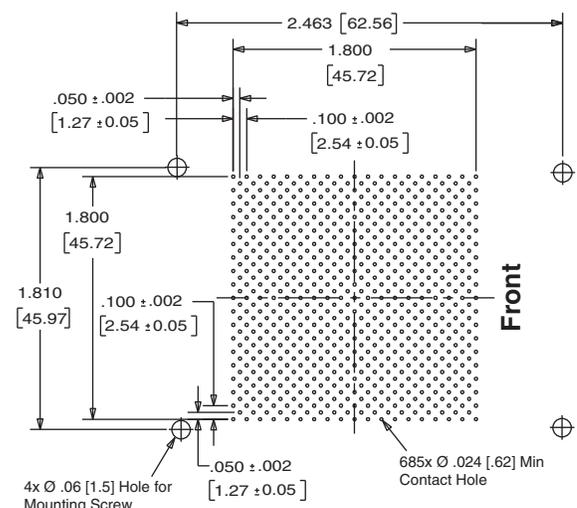
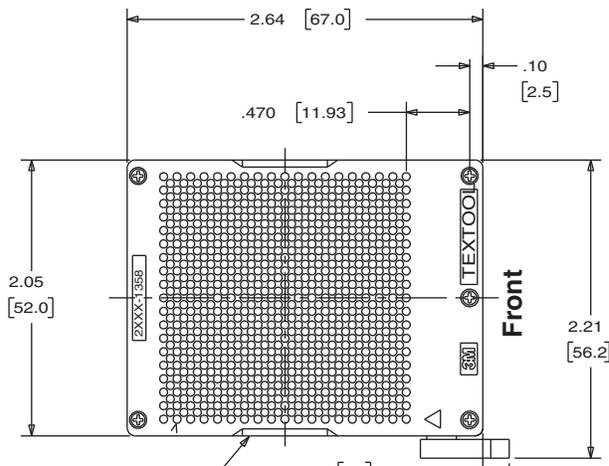
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### 3M Electronic Handling and Protection Division

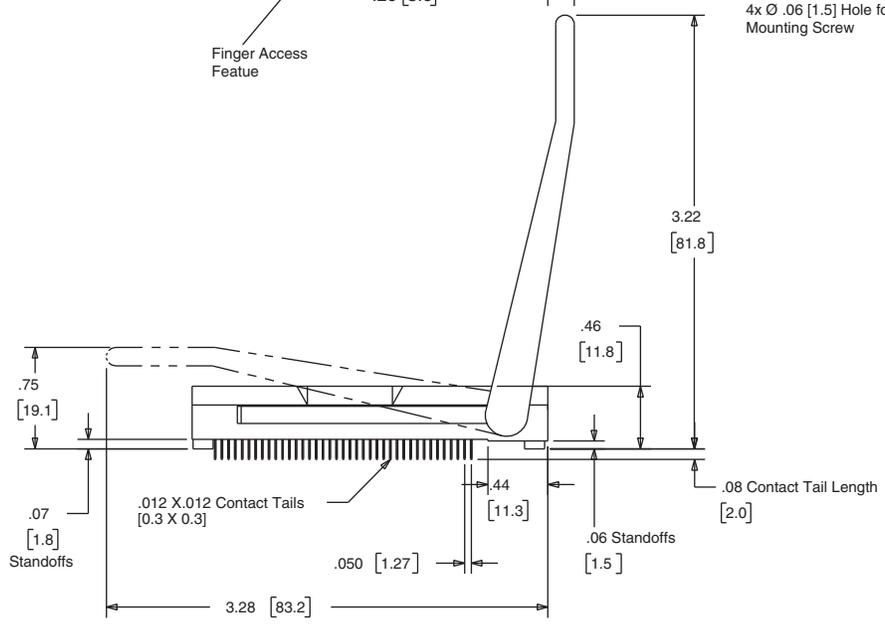
6801 River Place Blvd.  
Austin, TX 78726-9000

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

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**P. C. BOARD PATTERN**



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

## Ordering Information

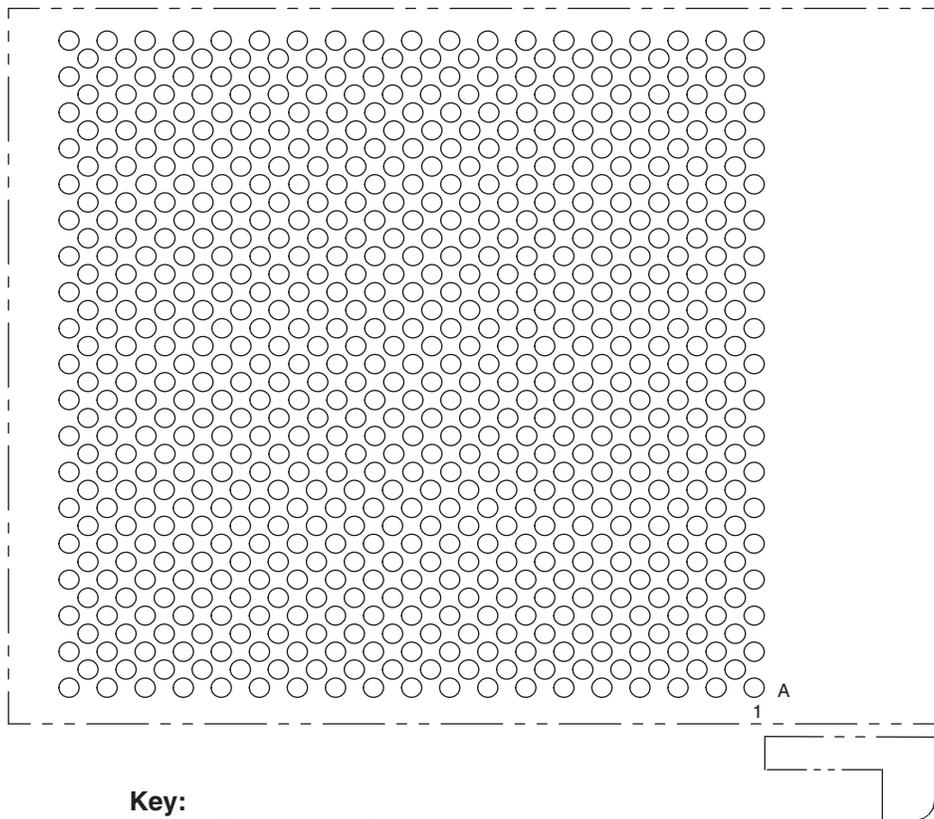
**2XXX - 1358 - XX - 1902**

Number of Contacts:  
( 685 Maximum )

Lead Diameter Variations:  
000 = 0.25 mm-0.40 mm  
[ .010"-.016" ]  
050 = 0.35 mm-0.51 mm  
[ .014"-.020" ]

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## Interstitial Worksheet



**Key:**

- This mark indicates holes only, no contacts.
- This mark indicates holes with contacts.

**Notes:**

1. This is only a work sheet. Do not proceed with any layout until a part number is assigned by 3M Textool. The pattern is subject to repositioning.
2. Lead diameter = .016 [ 0.39 ] min, .020 [ 0.51 ] max. The standard socket has been designed to accept these lead diameters only. For all others please consult the factory.
3. Use this sheet to indicate which positions you intend to use.
4. The device lead must be a minimum of 2.54 [ .100 ] below the standoffs on the device leads.

TS-1358-04  
Sheet 3 of 3

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