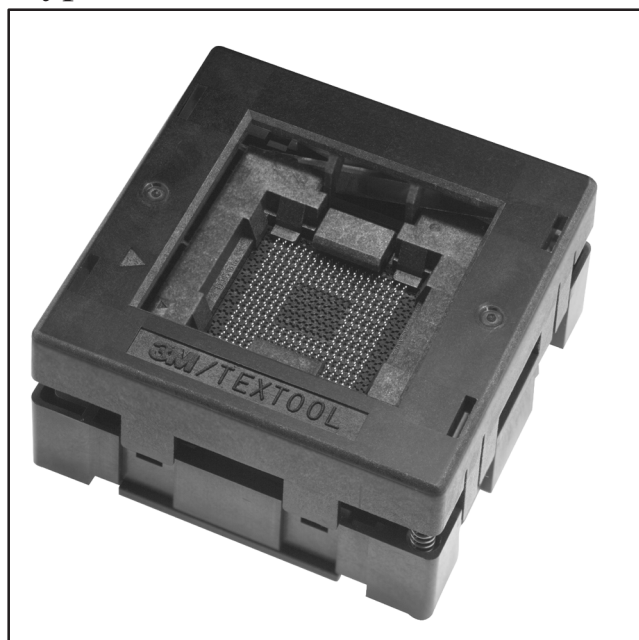


# 3M™ Textool™ 0.65 mm pitch, Open Top, BGA Test & Burn-In Sockets

## Type II



- Accommodates a wide range of package thicknesses without requiring socket adaptations.
- Allows excellent air flow around device.
- Includes a retractable locating guide for easy board mounting, even with hundreds of leads.
- Compatible with most robotic handlers.
- Easy manual operation.
- Double beam contact delivers balanced, opposing forces to solder ball with minimal shear stress.
- Contact tips touch ball above its center plane, producing only slight indentations and negligible ball deformation.
- Package Retainer Option
- At user's request, sockets can be equipped with mechanical package retainers. This option provides additional holddown protection for high shock or vibration environments.

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Date Issued: December 13, 2002

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## Physical

**Body:**  
Material: Polyethersulfone (PES)  
Flammability: UL 94V-0  
Color: Black  
**Contact:**  
Material: Beryllium Copper  
Plating: Gold over Nickel  
**Other Metal Parts:** Stainless Steel  
**Marking:** 3M Logo/Textool

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## Electrical

**Insulation Resistance:** >1000M $\Omega$  at 100 Vdc  
**Dielectric Withstanding Voltage:** 100 Vrms at Sea Level  
**Initial Contact Resistance:** <50m $\Omega$  measured at 1.0 mA applied current  
**Current Rating:** 0.5 A max @ 25°C

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## Environmental

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

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## Mechanical

**Durability:** 20,000 actuations (10,000 devices load/unload) at room temperature  
**Initial Contact Force:** 8.5gf (0.087N) Nom for 0.4 mm diameter solder ball  
**Initial Operating Force:** Type II – 5Kg Max @ Full Pin Count  
**Contact Wiper Gap - Fully Open:** 0.55 mm Nom

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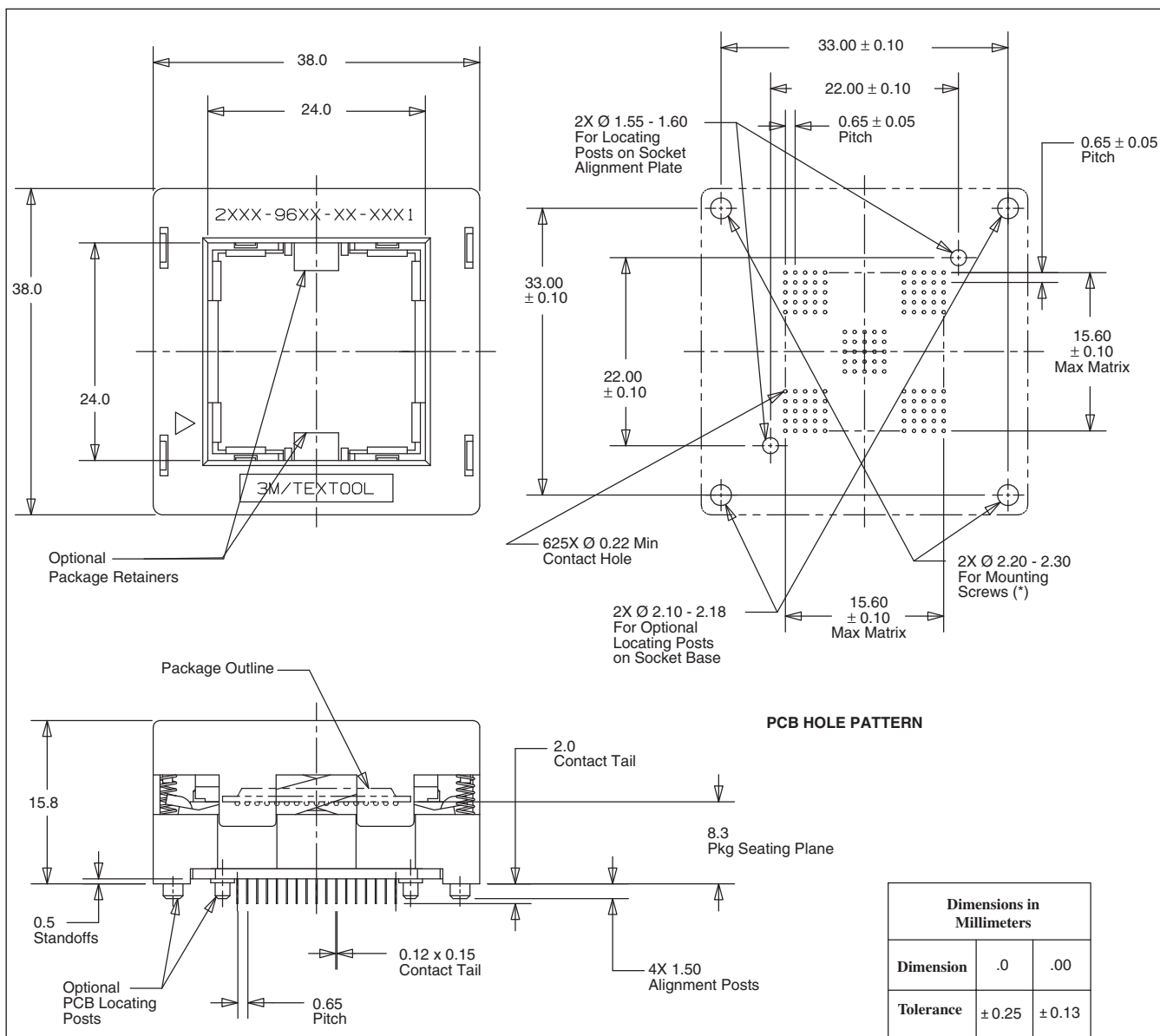
### 3M Electronic & Interconnect Solutions Division

6801 River Place Blvd.  
Austin, TX 78726-9000

For technical, sales or ordering information call **800-225-5373**  
or visit our website: **www.3M.com/eisd**

# 3M™ Textool™ 0.65 mm pitch, Open Top, BGA Test & Burn-In Sockets

## Type II



\* For 1.6 mm thick PCB, use self-tapping, STN.STL. screws size M2 x 4.0 mm long.  
For other PCB thicknesses, contact 3M or your preferred 3M Distributor.

## Ordering Information

PACKAGE SPECIFICATIONS	
Max Package Size	17.0±0.10 mm SQ Max
Max Matrix	25 x 25 Max
Ball Diameter	0.35 - 0.45 mm Min
Ball Height	0.30 mm Min

P.C.B. RECOMMENDATIONS	
Board Thickness	1.6 mm
Through Hole Diameter	0.22 mm Min

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Sheet 2 of 2

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