



# 3M™ Textool™ BGA OPEN TOP 1.0mm

Solution provided by: **3M**

## Open-Top Design

- Accommodates a wide range of package thicknesses without requiring socket adaptation
- Allows excellent air flow around device
- Includes a retractable location guide for easy board mounting, even with hundreds of leads
- Thru hole design

## Vertical Actuation

- Compatible with most robotic handlers
- Easy manual operation

## Normally Closed Contact Design

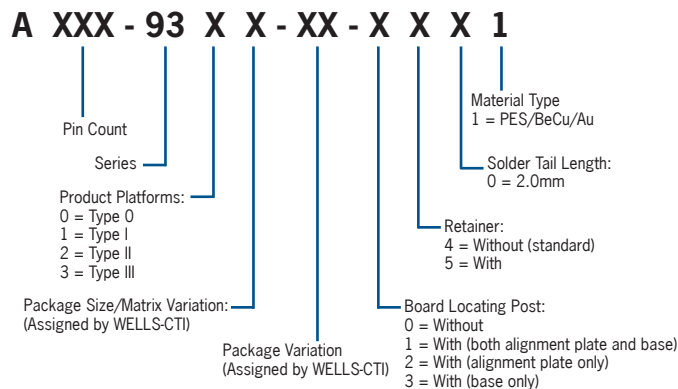
- Dual beam contact delivers balanced, opposing forces to solder ball with minimal shear stress
- Contact tips touch ball above its center plane producing only slight indentations and negligible ball deformation



## Retainer Clip Feature

3M Textool Sockets are designed to function properly without the use of retainer clips. The retainer clip feature is desirable for high vibration/shock applications and with small or non-spherical solder balls. The purpose of the retainer clip feature is to retain the DUT in the socket should there be an event or conditions leading to dislodgement of the solder balls from the socket contacts. Retainer clips are custom-designed based on specific package dimensions and should only be considered for stable production applications where package dimensions are not expected to vary. In cases of non-spherical and small solder balls, WELLS-CTI may request package samples for fit analysis.

## DESCRIPTION & ORDERING INFORMATION



Type	Maximum Body Size (mm)	Maximum Matrix	Maximum Ball Count	Status
0	19 X 19	17 X 17	289	Available
I	29 X 29	27 X 27	729	Available
II	40 X 40	39 X 39	1521	Available
III	47.5 X 47.5	45 X 45	2025	Available