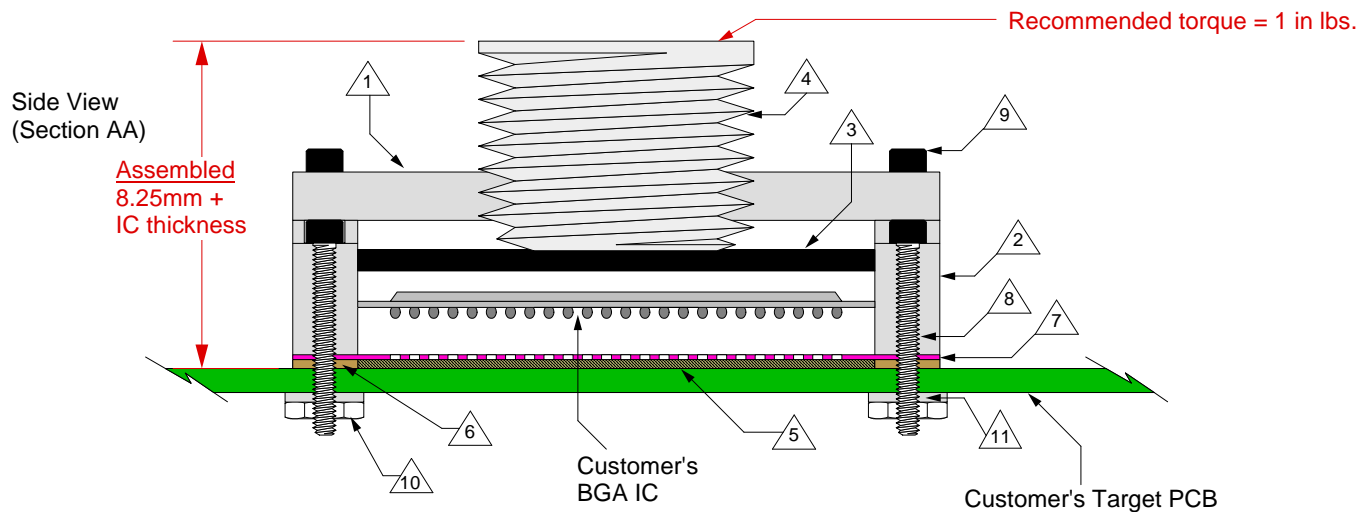
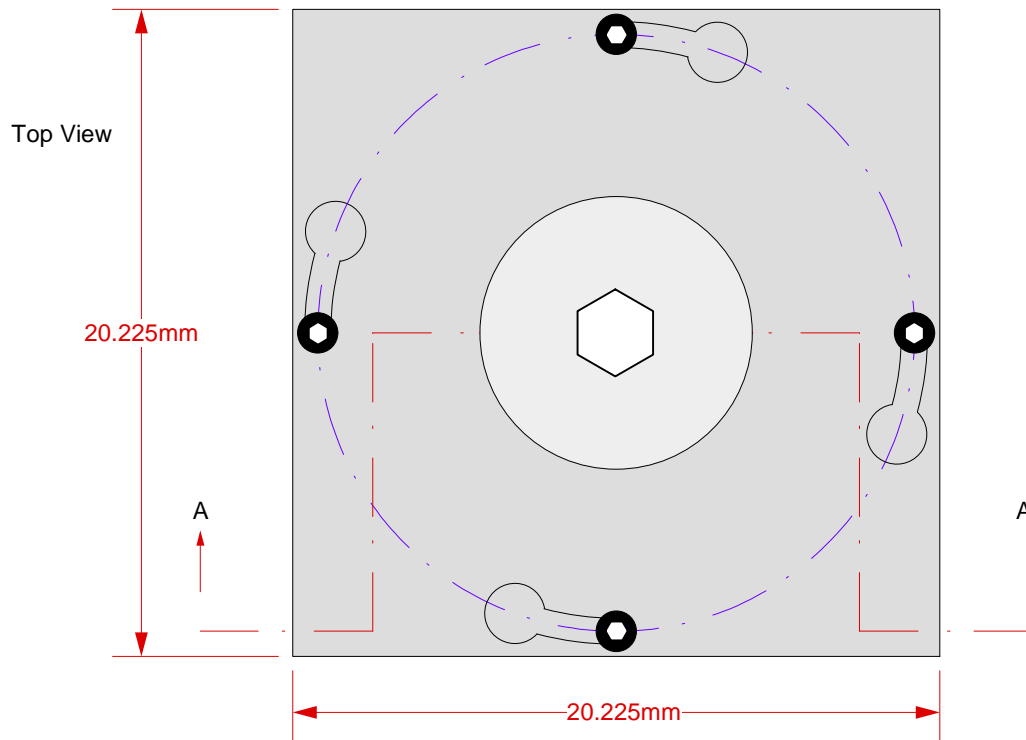


# GHz BGA Socket - Direct mount, solderless

## Features

- Directly mounts to target PCB (needs tooling holes) with hardware.
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Ball guide prevents over compression of elastomer
- Easily removable swivel socket lid



- |    |  |
|----|--|
| 1  | Socket Lid: Black anodized Aluminum.<br>Thickness = 2.5mm.   |
| 2  | Socket base: Black anodized Aluminum.<br>Thickness = 5mm.  |
| 3  | Compression Plate: Black anodized Aluminum.<br>Thickness = 2.5mm.  |
| 4  | Compression screw: Clear anodized Aluminum.<br>Thickness = 5mm, Hex socket = 5mm.  |
| 5  | Elastomer: 40 micron dia gold plated brass filaments arranged symmetrically in a silicone rubber (63.5 degree angle).<br>Thickness = 0.75mm. |
| 6  | Elastomer Guide: Non-clad FR4.<br>Thickness = 0.725mm.   |
| 7  | Ball Guide: Kapton polyimide.  |
| 8  | Socket base screw: Socket head cap, Alloy stell with black oxide finish, 0-80 fine thread, 9.525mm long.                                     |
| 9  | Socket lid screw: Shoulder screw, 18-8 SS, 0-80 fine thread.   |
| 10 | Socket base nut: 18-8 Stainless steel, 0-80 fine thread.   |
| 11 | Nylon washer: 1.73mm ID; 4.78mm OD<br>0.64mm thickness.  |

## SG-BGA-6004 Drawing

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Tele: (952) 229-8200  
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Status: Released

Scale: -

Rev: F

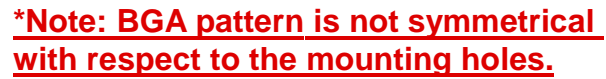
Drawing: Meghann Fedde

Date: 8/16/01

File: SG-BGA-6004 Dwg.mcd

Modified: 07/02/09, AE

All tolerances:  $\pm 0.125$ mm (unless stated otherwise). Materials and specifications are subject to change without notice.



Total thickness: 1.6mm min.  
Plating: Gold or Solder finish  
PCB Pad height: Same or higher than solder mask

Recommended PCB Layout Tolerances:  $\pm 0.025\text{mm}$  [ $\pm 0.001"$ ] unless stated otherwise.

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