

Side View

## GHz BGA Socket - Direct mount, solderless

Socket Lid: Black anodized Aluminum.

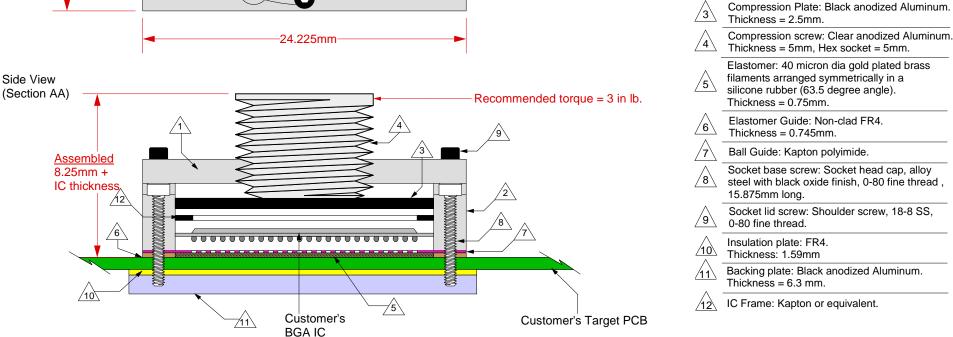
Socket base: Black anodized Aluminum.

Thickness = 2.5mm.

Thickness = 6.5mm.

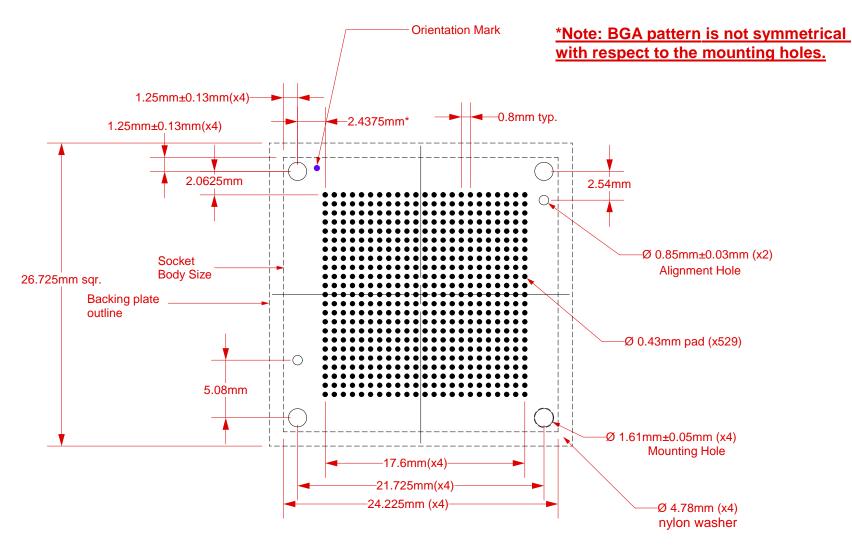
## **Features**

- 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



SG-BGA-6219-D4241 Drawing	Status: Released	Scale:	: -	Rev: A
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	File: SG-BGA-6219-D4241 Dwg		Modified:	

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



Note: Full BGA pattern shown. Please adjust pattern according to individual requirements.

Target PCB Recommendations
Total thickness: 1.6mm min.
Plating: Gold or Solder finish

PCB Pad height: Same or higher than solder mask

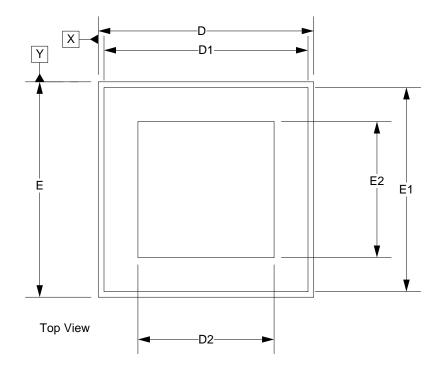
NOTE: Backing plate may be required based on end user's application

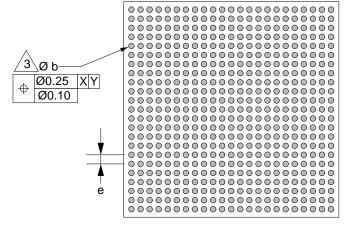
Recommended PCB Layout Tolerances: ±0.025mm [±0.001"] unless stated otherwise.

SG-BGA-6219-D4214 Drawing	Status: Released	Scale:	3:1	Rev: A
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	File: SG-BGA-6219-D4214 Dwg		Modified:	

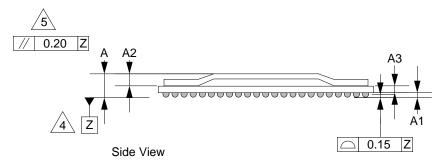
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## Compatible BGA Spec.





**Bottom View** 



- 1. Dimensions are in millimeters.
- 2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

$\triangle$	
/3	

Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.



Datum Z (seating plane) is defined by the spherical crowns of the solder balls.

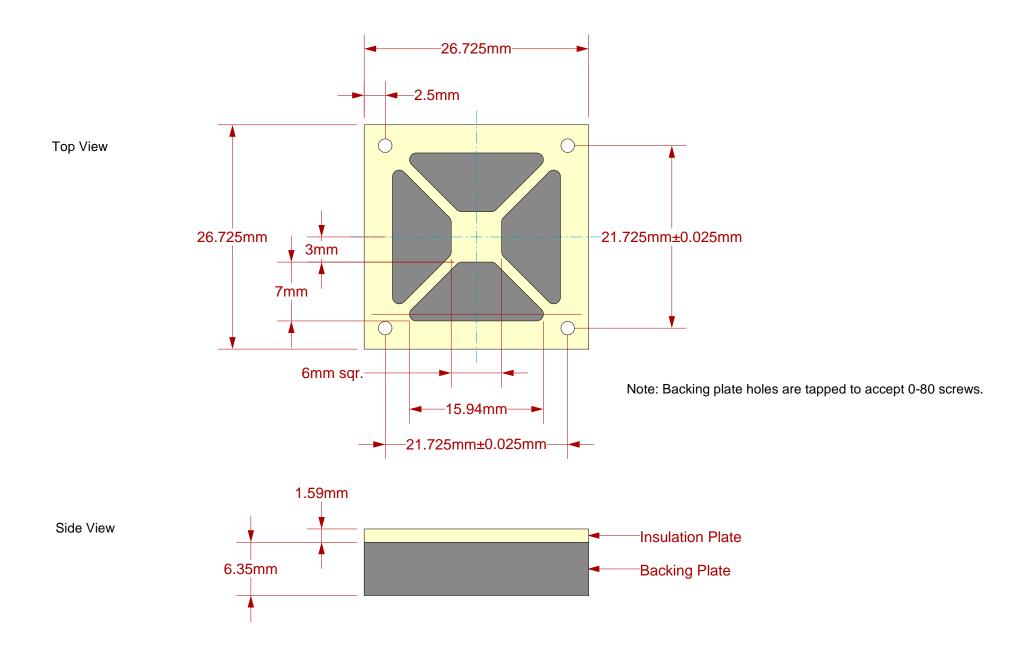


Parallelism measurement shall exclude any effect of mark on top surface of package.

DIM	MIN	MAX	
Α		2.52	
A1	0.35		
A2	1.02	1.22	
A3		0.57	
b	0.45	0.55	
D	18.9	19.1	
D1	18		
D2	12		
Е	18.9	19.1	
E1	18	3	
E2	12	2	
е	0.8 BSC		

Array: 23 X 23

SG-BGA-6219-D4241 Drawing	Status: Released	Scale	: 3:1	Rev: A
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Description: Insulation and backing plate.

SG-BGA-6219-D4241 Drawing	Status: Released	Scale:	20:9	Rev: A
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All tolerances are ±0.13mm

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