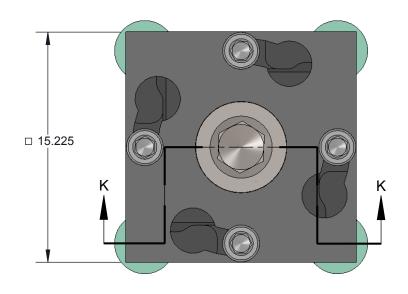
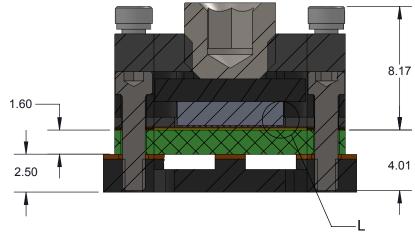
SG15-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR TEST APPLICATIONS



TOP VIEW

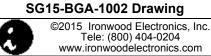


SECTION K-K

Description: SG15-BGA 7x7mm 0.4mm pitch 16x16 array

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

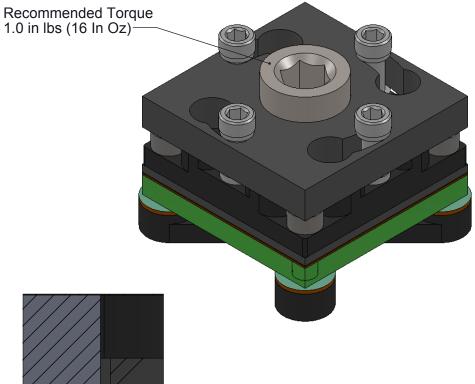
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.



| - Finish: |
|--------------|
| Weight: 5.53 |

FEATURES:

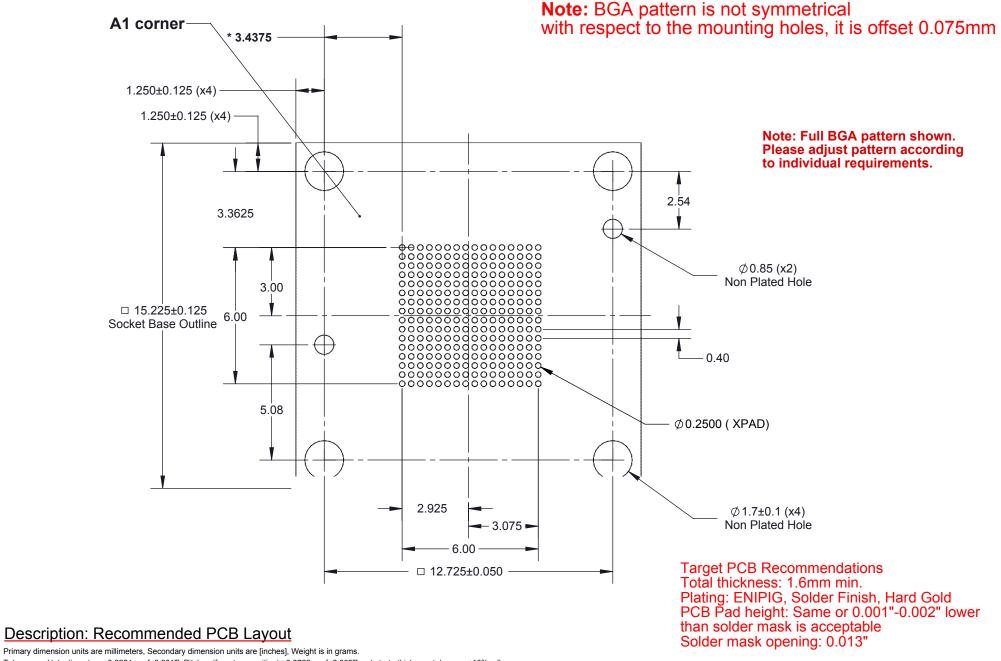
- Directly mounts to target PCB (needs tooling holes) with hardware.
 Over 40GHz bandwidth @-1dB
- Low and stable contact resistance for reliable production yield.
- Self inductance under 0.025nH.
- Compression plate distributes forces evenly
 Easily removable swivel socket lid





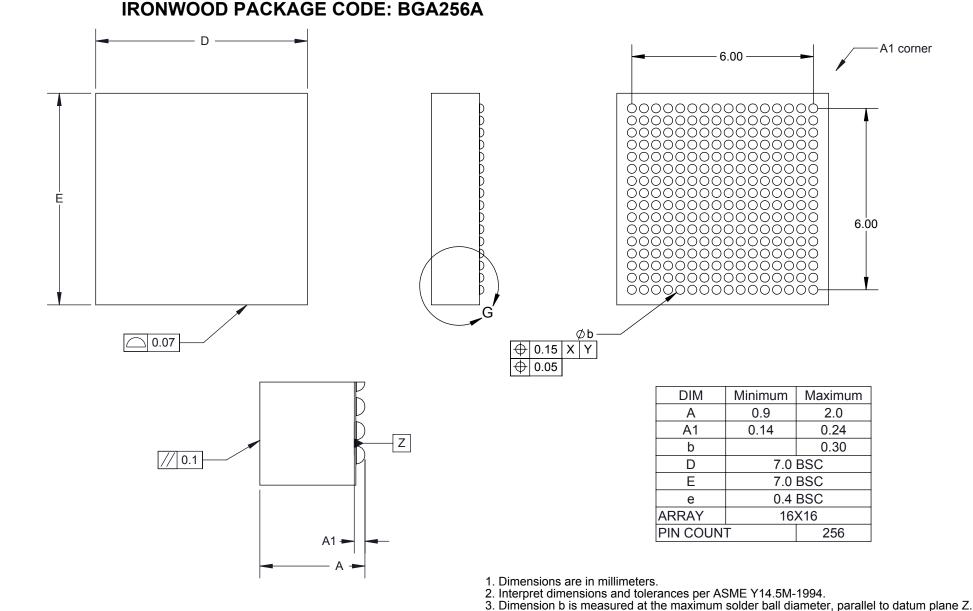
SCALE 16:1

| | Material: Material <not specified=""></not> | STATUS: Released | SHEET: 1 OF 4 | REV. A |
|----|---|---------------------|-----------------------|------------|
| C. | Finish: Weight: 5.53 | ENG: V. Panavala | DRAWN BY: V. Panavala | SCALE: 4:1 |
| | Weight: 0.00 | FILE: SG15-BGA-1002 | DATE: 1/17/15 | |



Tolerances: Hole diameters ±0.0254mm [±0.001"]. Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

| SG15-BGA-1002 Drawing | 2. Finish: Weight: 5.53 | STATUS: Released | SHEET: 2 OF 4 | REV. A |
|--|----------------------------|---------------------|-----------------------|------------|
| ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 | | ENG: V. Panavala | DRAWN BY: V. Panavala | SCALE: 6:1 |
| www.ironwoodelectronics.com | | FILE: SG15-BGA-1002 | DATE: 1/17/15 | |



DETAIL G SCALE 16 : 1

Description: Compatible BGA

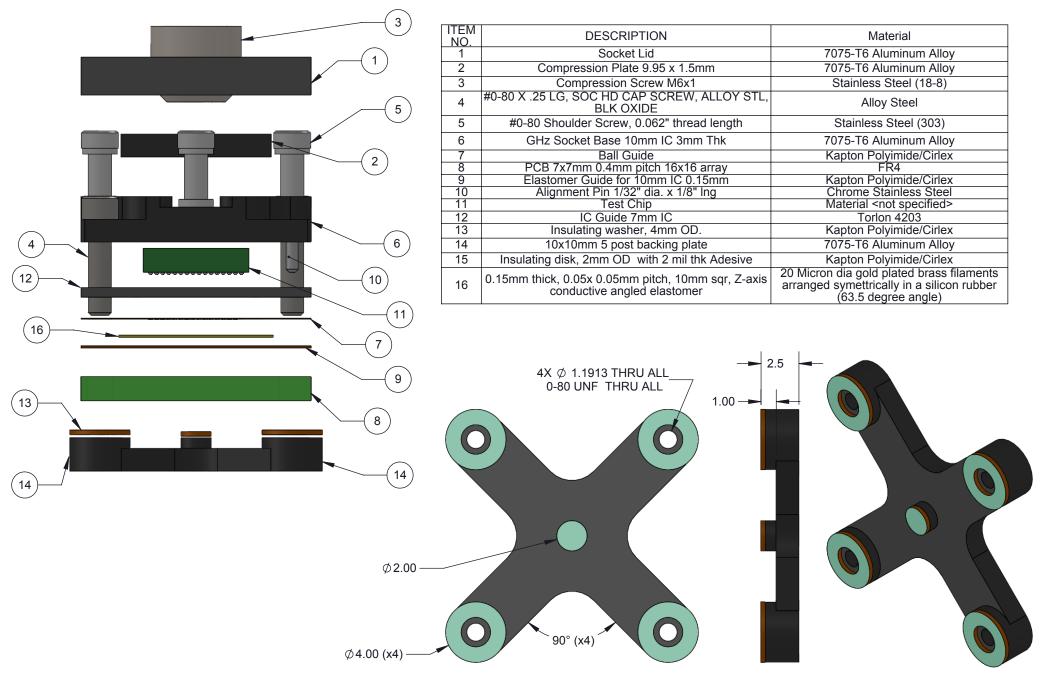
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

| SG15-BGA-1002 Drawing | Weight: 5.53 | STATUS: Released | SHEET: 3 OF 4 | REV. A |
|--|--------------|---------------------|-----------------------|------------|
| ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 | | ENG: V. Panavala | DRAWN BY: V. Panavala | SCALE: 8:1 |
| www.ironwoodelectronics.com | | FILE: SG15-BGA-1002 | DATE: 1/17/15 | |

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

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



Description: Socket Specification

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

Tolerances: Hole diameters ±0.0254mm [±0.001"], Pitches (from true position) ±0.0762mm [±0.003"], substrate thickness tolerance ±10%, all other tolerances ±0.127mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

| SG15-BGA-1002 Drawing | Finish: Weight: 5.53 | STATUS: Released | SHEET: 4 OF 4 | REV. A |
|---|-------------------------|---------------------|-----------------------|------------|
| ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com | | ENG: V. Panavala | DRAWN BY: V. Panavala | SCALE: 4:1 |
| | | FILE: SG15-BGA-1002 | DATE: 1/17/15 | |

Backing Plate Specification