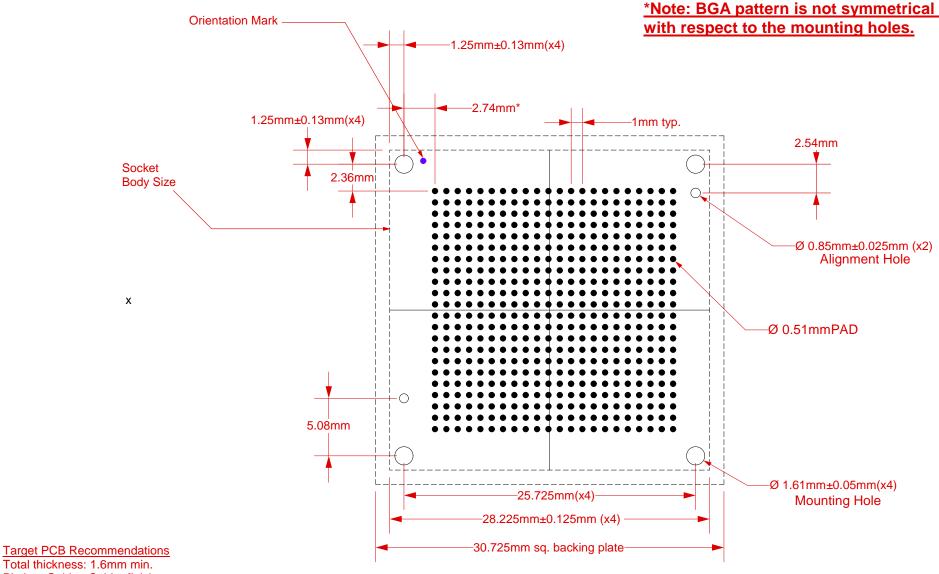


| SG-BGA-6056 Drawing | | Status: Released | Scale: - | | Rev: E | |
|---------------------|--|---------------------------|----------|----------------------|--------|--|
| | © 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 | | | Date: 8/12/02 | | |
| | Tele: (952) 229-8200 www.ironwoodelectronics.com | File: SG-BGA-6056 Dwg.mcd | | Modified: 7/6/09, AE | | |

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



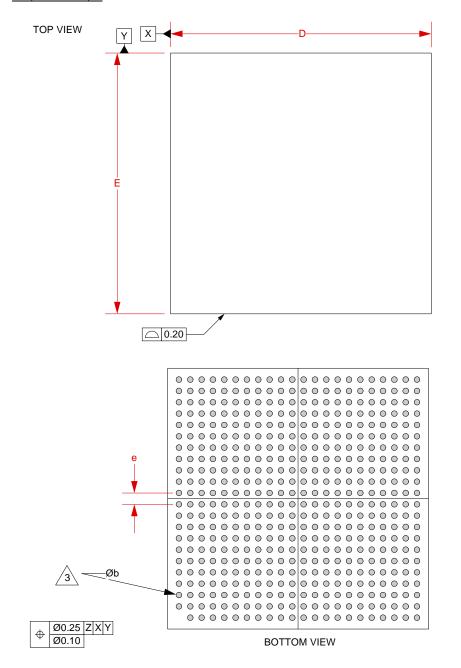
Total thickness: 1.6mm min. Plating: Gold or Solder finish

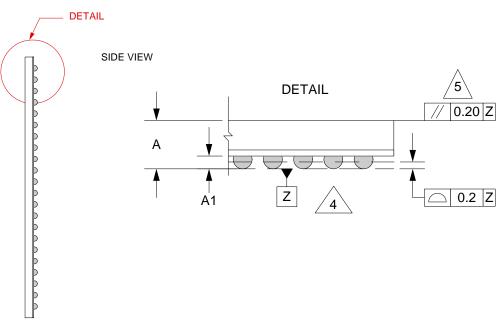
PCB Pad height: Same or higher than solder mask

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

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

| SG-BGA-6056 Drawing | Status: Released | Scale: | : - | Rev: E |
|--|---------------------------|--------|----------------------|--------|
| © 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 Tele: (952) 229-8200 www.ironwoodelectronics.com | Drawing: H. Hansen | | Date: 8/12/02 | |
| | File: SG-BGA-6056 Dwg.mcd | | Modified: 7/6/09, AE | |



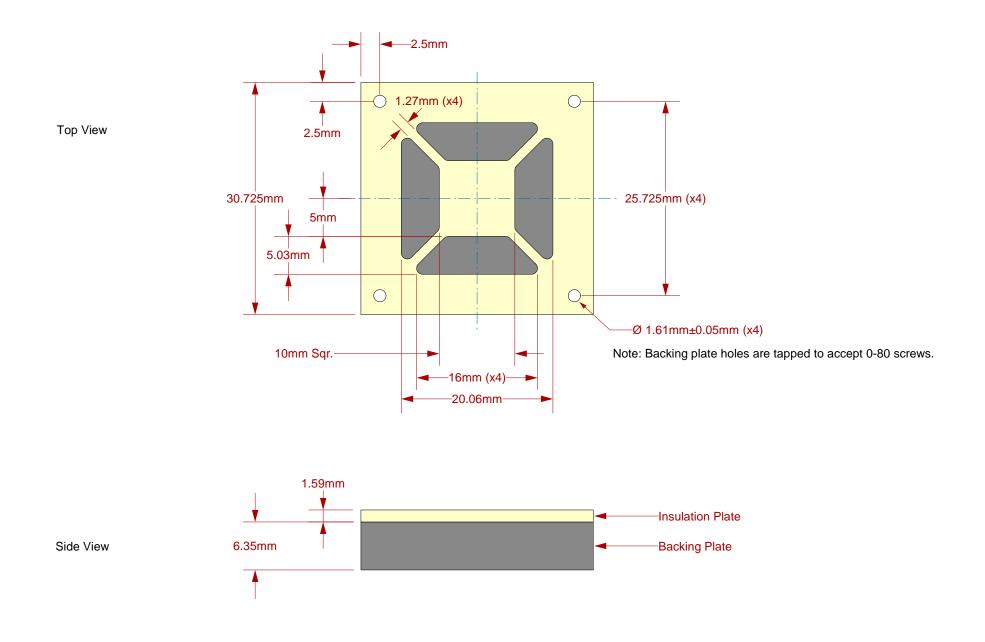


- 1. Dimensions are in millimeters.
- Interpret dimensions and tolerances per ASME Y14.5M-1994.
- Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
- Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
- Parallelism measurement shall exclude any effect of mark on top surface of package.

| DIM | MIN | MAX | | |
|-----|-------------|-------|--|--|
| А | | 2.5 | | |
| A1 | 0.3 | 0.5 | | |
| b | | 0.65 | | |
| D | 23.0 | 0 BSC | | |
| Е | E 23.00 BSC | | | |
| е | BSC | | | |

Array 22x22

| | SG-BGA-6056 Drawing Status: Released | | Scale: - | | Rev: E |
|----|--|---------------------------|----------|----------------------|--------|
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| W. | | File: SG-BGA-6056 Dwg.mcd | | Modified: 7/6/09, AE | |



Description: Backing Plate with Insulation Plate

| SG-BGA-6056 Drawing | Status: Released | Scale: | - | Rev: E |
|--|---------------------------|--------|----------------------|--------|
| © 2009 IRONWOOD ELECTRONICS, INC. 11351 Rupp Drive, Suite 400, Burnsville, MN 55337 | Drawing: H. Hansen | | Date: 8/12/02 | |
| Tele: (952) 229-8200 www.ironwoodelectronics.com | File: SG-BGA-6056 Dwg.mcd | | Modified: 7/6/09, AE | |

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