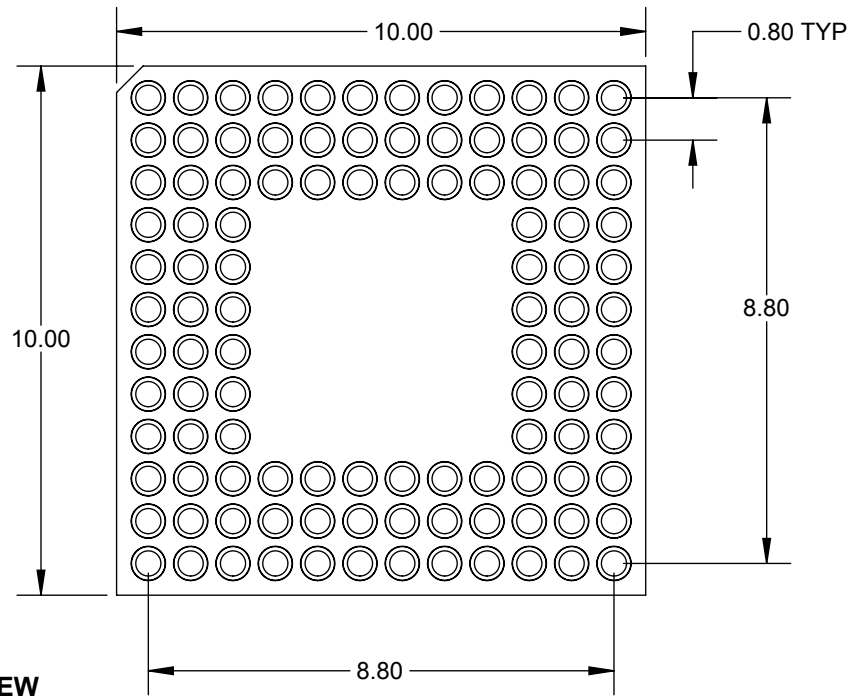
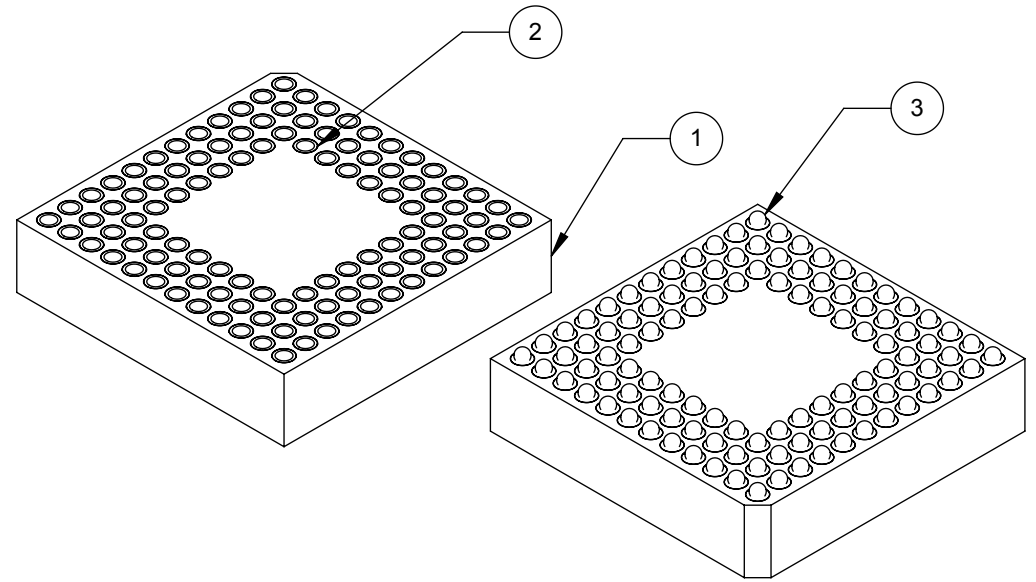


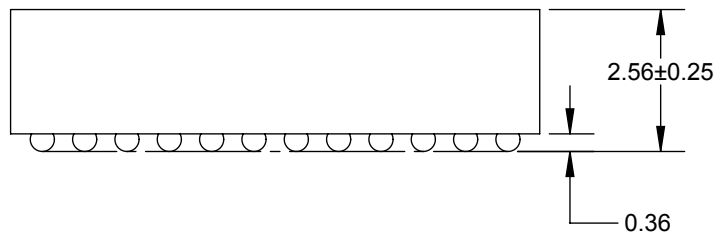
U.S. Patent No. 8,091,222 B2



TOP VIEW



| ITEM NO. | Description |
|----------|---------------------------------------|
| 1 | High Temp Substrate |
| 2 | High Density Giga-Snap Receptacle |
| 3 | Solder Ball, 0.4572mm dia (See Table) |




FRONT VIEW

| PART NO. SUFFIX | SOLDER BALL ALLOY |
|-----------------|-------------------|
| -64 | Sn63Pb37 |
| -64F* | Sn96.5Ag3.0Cu0.5 |
| *RoHS Compliant | |

Description: Giga-snaP BGA SMT Foot

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


Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001''$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001''$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005''$] unless stated otherwise. Materials and specifications are subject to change without notice.

| SF-BGA108E-B-64 Drawing | | SF-BGA108E-B-64F Drawing | |
|--|--|--|---|
|  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com | Material: N/A Finish: N/A Weight: 0.49 | STATUS: Released ENG: M.A. Fedde FILE: SF-BGA108E-B-64 Dwg | SHEET: 1 OF 2 DRAWN BY: D. Hauer DATE: 06/12/14 |
| | | REV. B SCALE: 7:1 | |

| Rev | Date | Initials | Description |
|-----|--------|----------|--|
| A | - | - | Original |
| B | 7/7/15 | MT/OA | updated materials to generic definitions |
| | | | |
| | | | |

Description:

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001"$],
substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$]
unless stated otherwise. Materials and specifications are subject to change without notice.

| | | | | |
|---|---|---------------------------|--------------------|------------|
|  <p>Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p> | <p>Material: Finish: Weight:</p> | STATUS: Released | SHEET: 2 OF 2 | REV. B |
| | | ENG: M.A. Fedde | DRAWN BY: D. Hauer | SCALE: 7:1 |
| | | FILE: SF-BGA108E-B-64 Dwg | DATE: 06/12/14 | |