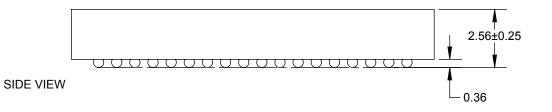
PROPRIETARY AND CONFIDENTIAL - THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF IRONWOOD ELECTRONICS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF IRONWOOD ELECTRONICS, INC. IS PROHIBITED.

## U.S. Patent No. 8,091,222 B2 16.00 -A1-2 3 0.80 TYP 0000 0000000000 0000000000 0000000 0000 OOC0000OOOC0000 0000 0000 0000 16.00 0000 OOOC13.60 0000 $\mathbb{O}$ 0000 0000 0000 0000 DESCRIPTION ITEM NO. 1 High Temp Substrate 2 High Density Giga-Snap Receptacle 3 Solder Ball, 0.4572mm dia (See Table) TOP VIEW - 13.60



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].

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.

SF-BGA224B-B-64 Drawing				
SF-BGA224B-B-64F Drawing	Material: N/A	STATUS: Released	SHEET: 1 OF 2	REV. B
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: N/A Weight: N/A	DRAWN BY: M. Raske	SCALE: 6:1	
		FILE: SF-BGA224B-B-64	DATE: 3/20/2012	

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

Description: Revision History Primary dimension units are millimeters, Secondary dimension units are [inches]. <u>Tolerances:</u> 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.

Specification	Material:	STATUS: Released	SHEET: 2 OF 2	REV. B
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: M. Raske	SCALE: 1:1	
	VVCIGITL.	FILE: SF-BGA224B-B-64	DATE: 3/20/2012	