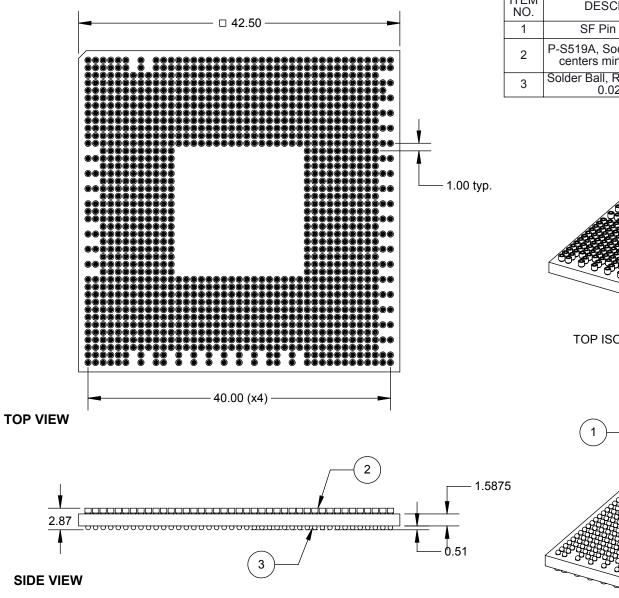
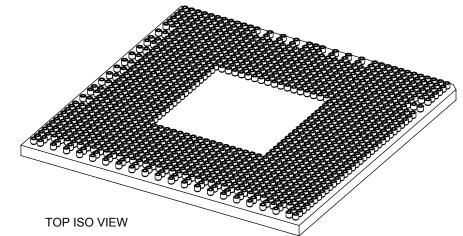
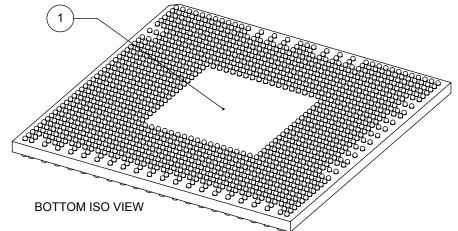
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U.S. Patent No. 8,091,222 B2



ITEM NO.	DESCRIPTION	Material	
1	SF Pin Substrate	FR4 High temp	
2	P-S519A, Socket Pin, 1.0mm centers minimum, #4 clip	Body - Gold Plated Brass 360, Clip - Gold plated Beryllium Copper 172	
3	Solder Ball, ROHS Compliant 0.024" Dia	Sn96.5 Ag3.0 Cu0.5	





Description: SF-BGA 42.5mm 41x41 array 1mm pitch

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.

SF-B	GA1309A-B-42F Drawing	
\mathbf{A}	Ironwood Electronics, Inc.	

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com

Material: N/A	١
Finish: N/A Weight: 8.17	

	STATUS: Released	SHEET: 1 OF 1	REV. A
	ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 2:1
	FILE: SF-BGA1309A-B-42F Dwg	DATE: 04/16/2015	