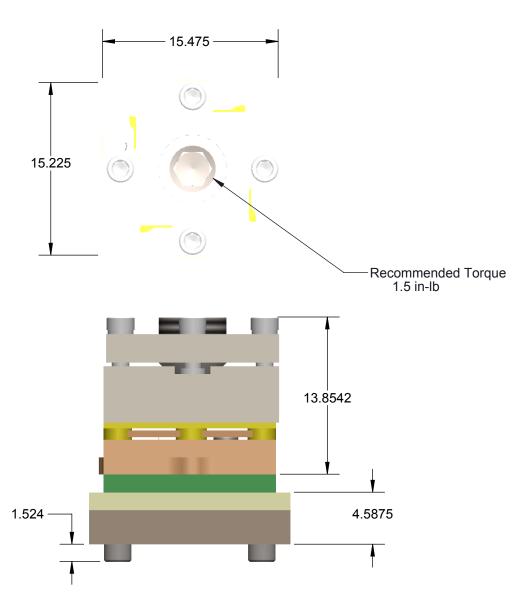
# SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



FEATURES:

Wide temperature range (-55C to +180C ) High current capability (up to 4A ) Excellent signal integrity at high frequencies Low and stable contact resistance for reliable production yield Highly compliant to accommodate wide co-planarity variations Automated probe manufacturing enables low cost and short lead time

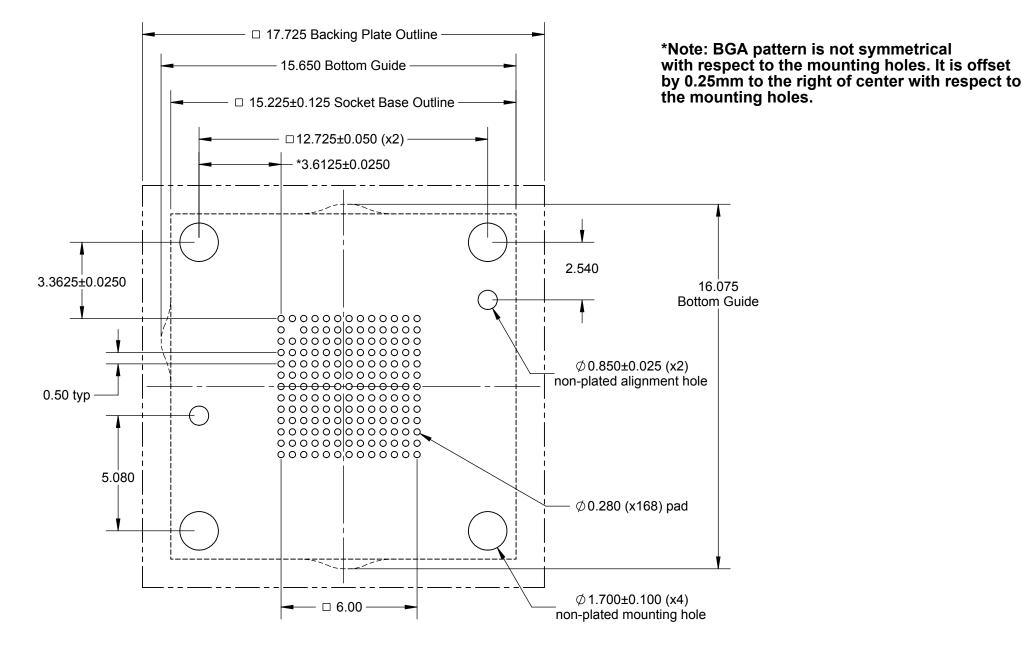


# Description: SBT-BGA168 Socket for 7mm IC, 13x13 array, 0.5mm pitch

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.

SBT-BGA-7014 Drawing		Material Material Mot opcomed	STATUS: Released SHEET: 1 OF 5 RE	REV. B	
Δ	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Weight: 10.26	ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 3:1
			FILE: SBT-BGA-7014 Dwg	DATE: 9/12/13	

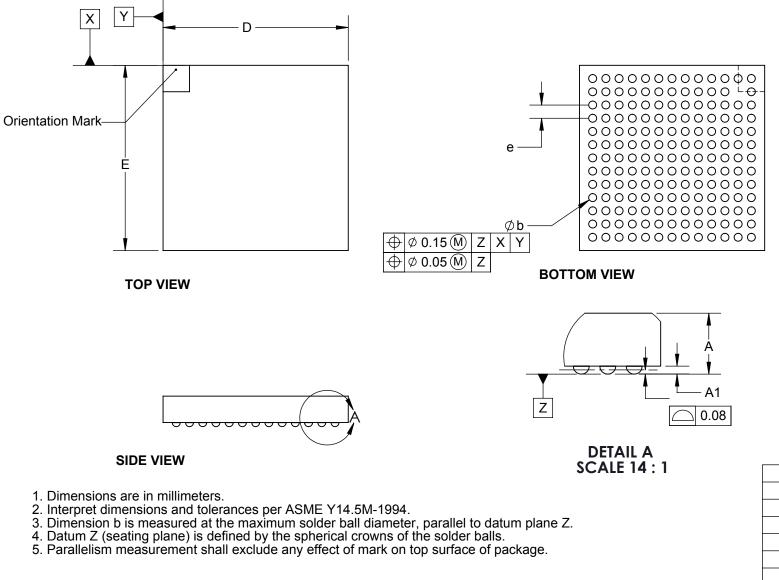


# Description: Recommended PCB Layout

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances</u>: 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.

#### Target PCB Recommendations Total thickness: 1.6mm min. Plating: Gold or Solder finish PCB Pad height: same or higher than solder mask

SBT-BGA-7014 Drawing	Material: Material <not specified=""></not>	STATUS: Released	SHEET: 2 OF 5	REV. B
Ironwood Electronics, Inc. Tele: (800) 404-0204	Weight: 10.26	ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 6:1
www.ironwoodelectronics.com		FILE: SBT-BGA-7014 Dwg	DATE: 9/12/13	



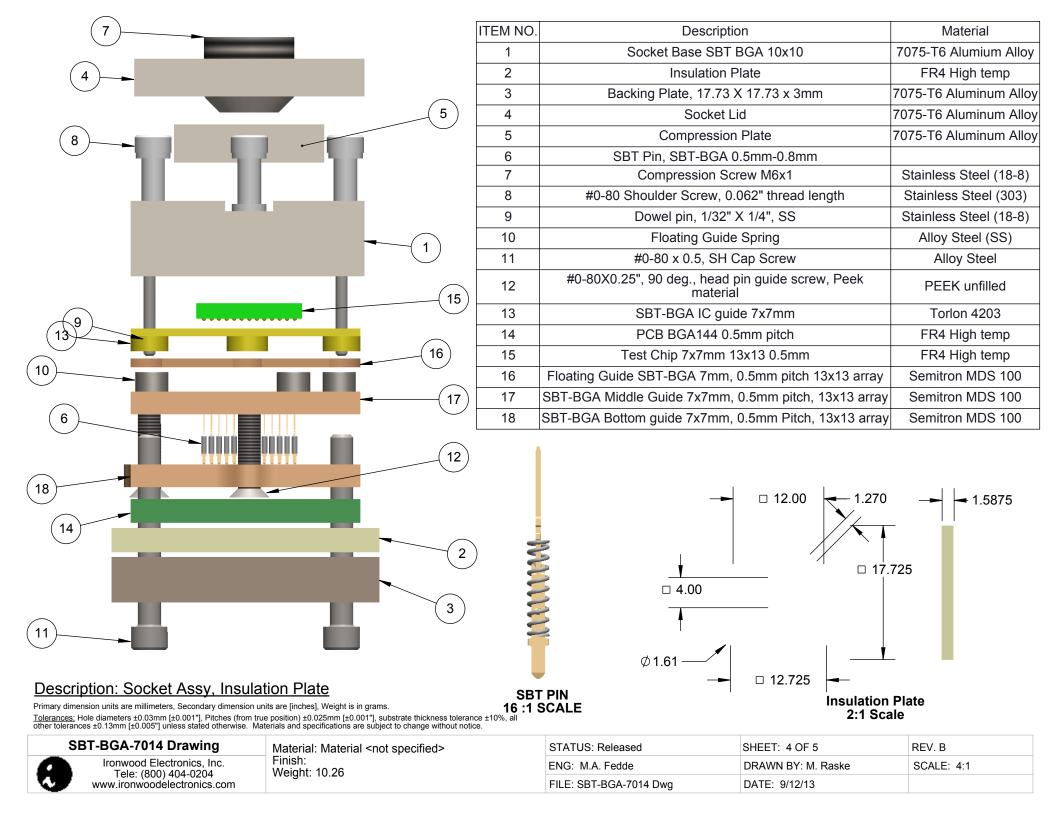
### **Description: Compatible BGA**

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

S	BT-BGA-7014 Drawing	material material net opeomod	STATUS: Released	SHEET: 3 OF 5	REV. B
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Weight: 10.26	ENG: M.A. Fedde	DRAWN BY: M. Raske	REV. B SCALE: 7:1
$\mathbf{\nabla}$			FILE: SBT-BGA-7014 Dwg	DATE: 9/12/13	

DIM	Minimum	Maximum		
A		1.20		
A1	0.15	0.25		
b	0.25	0.35		
D	7.00	7.00 BSC		
E	7.00	BSC		
е	0.50 BSC			
ARRAY	13 X13			
PIN COUNT	Γ	168		



Rev	Date	Initials	Description
В	2/10/15	RP/MR	P-P196A was P-P149A (updated spring pin type)

### **Description: REVISIONS**

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

<u>Tolerances</u>: 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.

	SBT-BGA-7014 Drawing	Material:	STATUS: Released	SHEET: 5 OF 5	REV. B
	©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204	Finish: Weight:	ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 3:1
	www.ironwoodelectronics.com		FILE: SBT-BGA-7014 Dwg	DATE: 9/12/13	