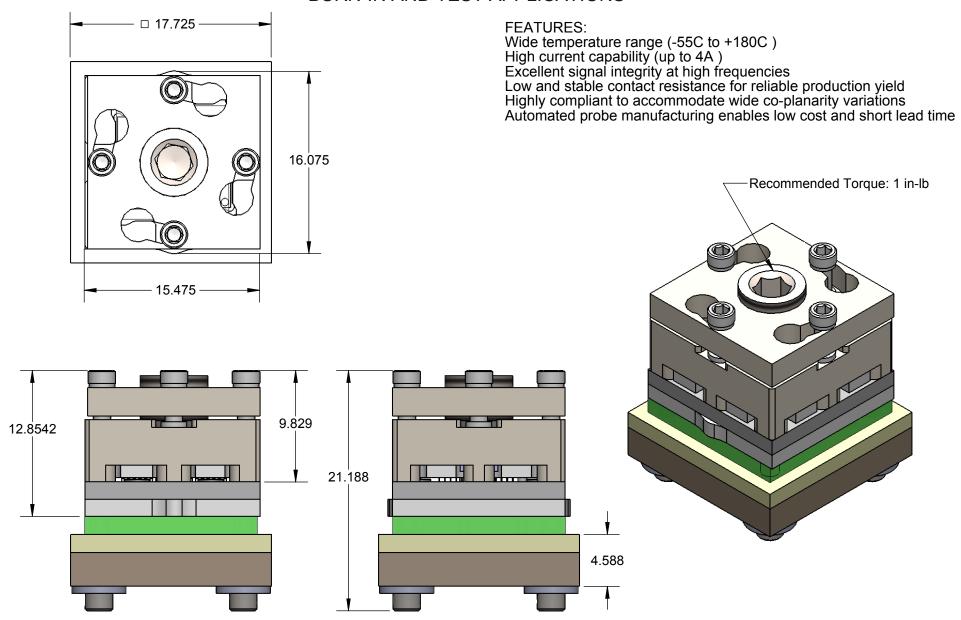
SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS



Description: SBT-BGA 8mmx10mm 0.5mm pitch 19x15 array BGA219

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

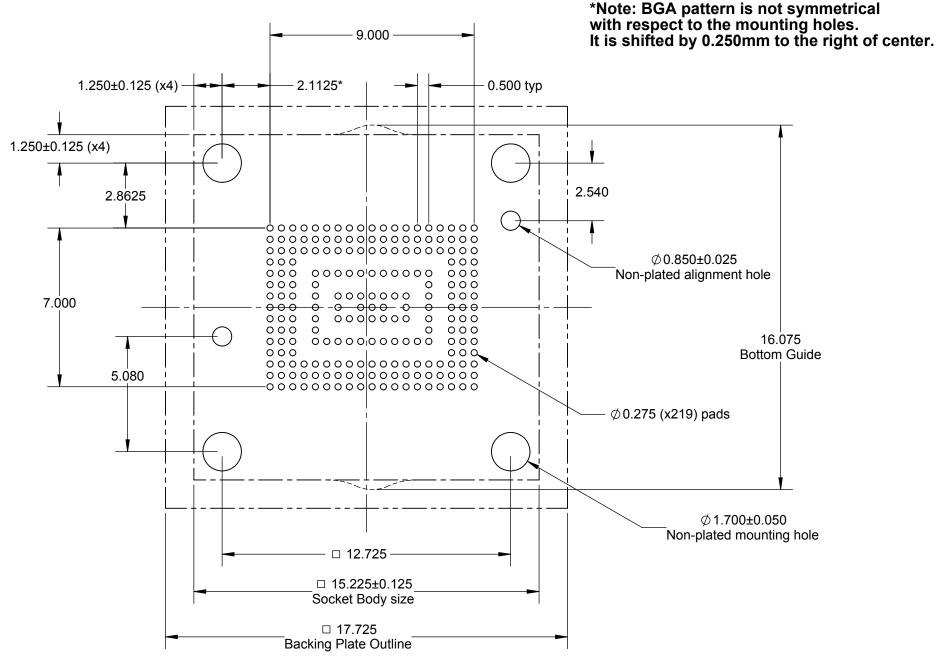
Tolerances: Hole diameters ±0.03mm [±0.001"], Pitches (from true position) ±0.025mm [±0.001"], substrate thickness tolerance ±10%, all other tolerances ±0.13mm [±0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

SBT	r-BG	A-7	017	Draw	/ing

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: Material <not specified> Finish:

Weight: 9.43

STATUS: Released	SHEET: 1 OF 5	REV. B
ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 3:1
FILE: SBT-BGA-7017 Dwg	DATE: 01/15/2014	



Description: Recommended PCB Layout

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

Tolerances: 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.

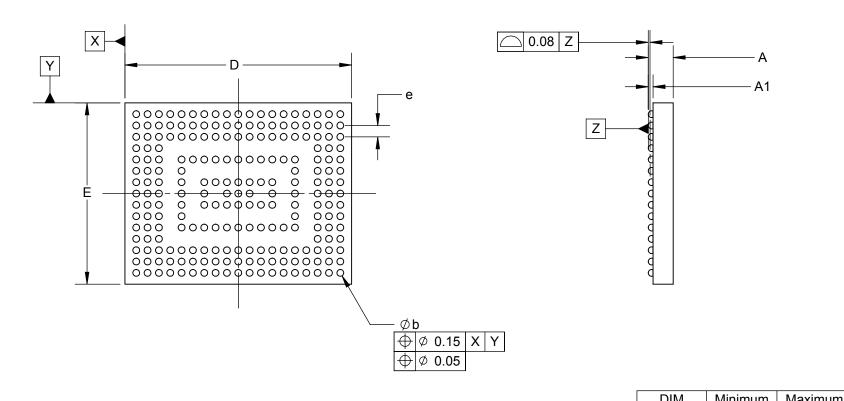
SBT-BGA-7017 Drawing

Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: Material <not specified> Finish:

Weight: 9.43

STATUS: Released	SHEET: 2 OF 5	REV. B
ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 6:1
FILE: SBT-BGA-7017 Dwg	DATE: 01/15/2014	

Ironwood Package Code: BGA219A



DIIVI	IVIIIIIIIIIIIIII	IVIAXIIIIUIII
Α		1.10
A1	0.16	0.26
b		0.30
D	10.00 BSC	
E	8.00	BSC
е	0.50 BSC	
ARRAY	15 x 19	
PIN COUN	Т	219

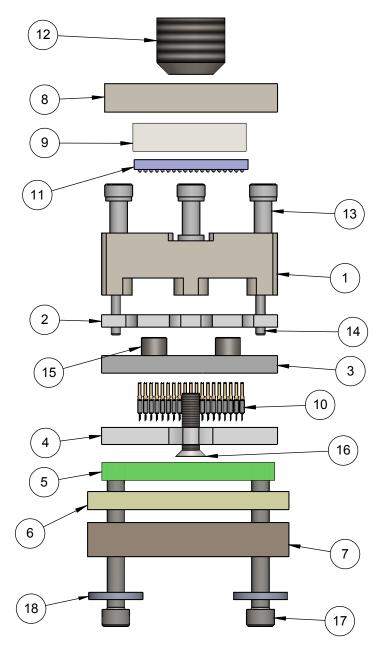
- 1. Dimensions are in millimeters.
- 2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
- 3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
- 4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
- 5. Parallelism measurement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

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.

SBT-BGA-7017 Drawing	Material: Material <not specified=""></not>	STATUS: Released	SHEET: 3 OF 5	REV. B
Ironwood Electronics, Inc. Tele: (800) 404-0204	Weight: 9.43	ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 6:1
www.ironwoodelectronics.com		FILE: SBT-BGA-7017 Dwg	DATE: 01/15/2014	



Description: Socket Assy, Insulation Plate

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.

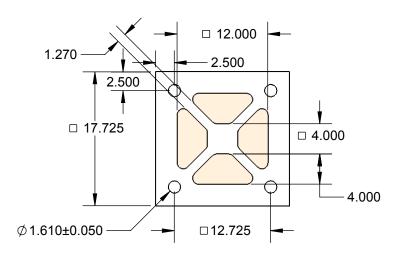
SBT-BGA-7017 Drawing Material: Mat

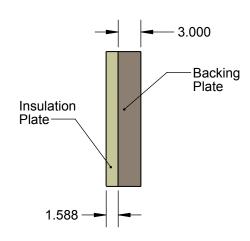
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: Material <not specified> Finish:

Weight: 9.43

ITEM NO.	DESCRIPTION	Material
1	Socket Base SBT BGA 10x10	7075-T6 Alumium Alloy
2	Floating Guide SBT-BGA 8mmX10mm, 0.5 pitch, 19 X15 array 219 position	Semitron MDS 100
3	Middle guide for SBT-BGA 8mmX10mm, 0.5 pitch, 19 X15 array 219 position	Semitron MDS 100
4	Bottom Guide SBT-BGA 8mmX10mm, 0.5 pitch, 19 X15 array 219 position	Semitron MDS 100
5	Test board, daisy chain, for 8x10mm body, 0.5mm, 19x15 array BGA219	FR4
6	Insulation Plate	FR4 High temp
7	Backing Plate, 17.73 X 17.73 x 3mm	7075-T6 Aluminum Alloy
8	Socket Lid	7075-T6 Aluminum Alloy
9	Compression Plate	7075-T6 Aluminum Alloy
10	SBT Pin, SBT-BGA 0.5mm-0.8mm	
11	BGA test chip, 8x10mm body, 0.5mm, 19x15 array BGA219	
12	Compression Screw M6x1	Stainless Steel (18-8)
13	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
14	Dowel pin, 1/32" x 5/16", SS	Chrome Stainless Steel
15	Floating Guide Spring	Alloy Steel (SS)
16	#0-80, 90 deg., head pin guide screw, Peek material 5.5715mm overall Length	PEEK unfilled
17	#0-80 x 0.5, SH Cap Screw	18-8 Stainless Steel
18	Washer, #0 x .025", Nylon	Nylon 6/6

STATUS: Released	SHEET: 4 OF 5	REV. B
ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 3:1
FILE: SBT-BGA-7017 Dwg	DATE: 01/15/2014	





Backing and Insulation Plate Scale 2:1



	Rev	Date	Initials	Description
	В	2/6/15	RP/MR	P-P196A was P-P149A, R3200 was R1391
Ī				

Description: History

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

Tolerances: 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-7017 Drawing			
	A	©2015 Ironwood Electroni Tele: (800) 404-0204 www.ironwoodelectronics		

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Material: Material <not specified>

Finish: Weight: 9.43

STATUS: Released	SHEET: 5 OF 5	REV. B
ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 3:1
FILE: SBT-BGA-7017 Dwg	DATE: 01/15/2014	