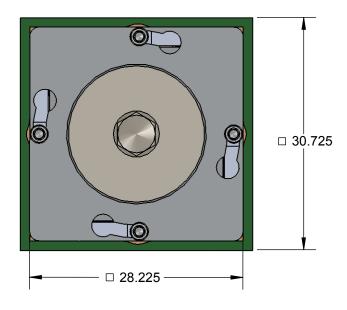
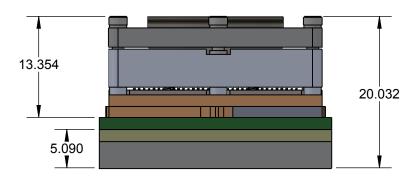
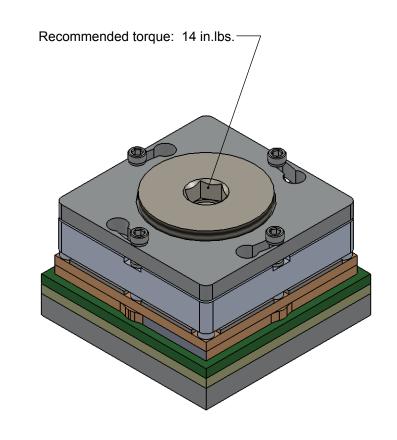
# SBT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS





#### **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-BGA911, 23mm 34x34 array, 0.65mm 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"]. Sub-

<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.

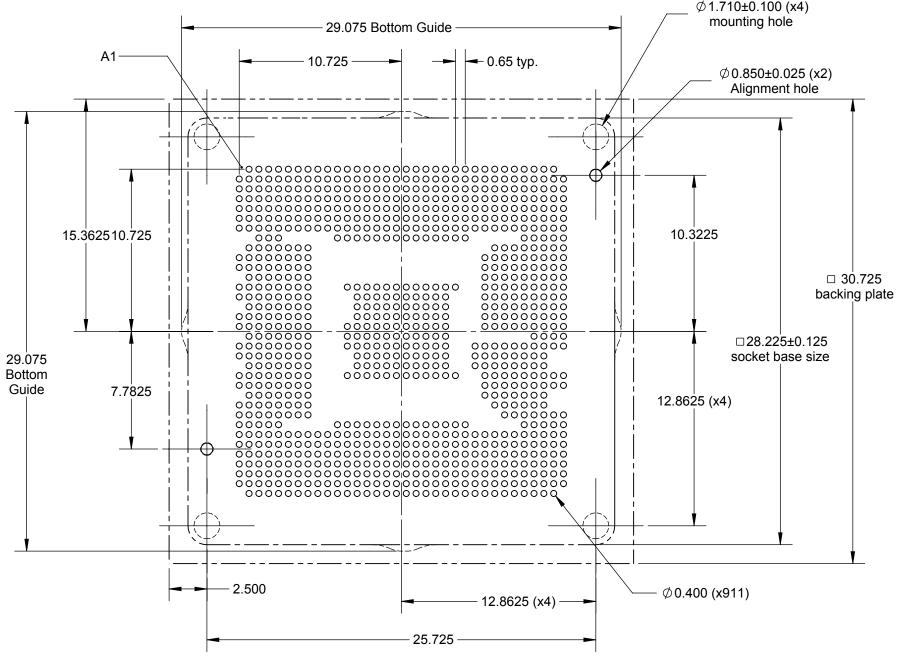
SB	I
	v

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

-BGA-7023 Drawing

Material: N/A Finish: N/A Weight: 31.53

STATUS: Released	SHEET: 1 OF 4	REV. A
ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 2:1
FILE: SBT-BGA-7023 Dwg	DATE: 08/19/2014	



### **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.

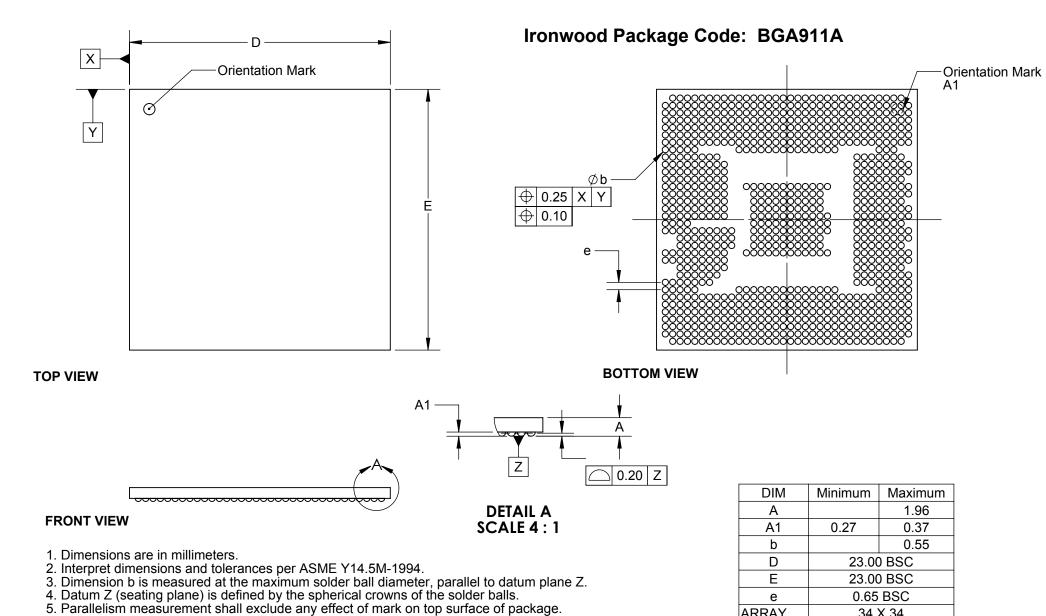
# SBT-BGA-7023 Drawing

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Material: N/A Finish: N/A Weight: 31.53

STATUS: Released	SHEET: 2 OF 4	REV. A
ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 4:1
FILE: SBT-BGA-7023 Dwg	DATE: 08/19/2014	

# NOTE: IC Mold cap also included to accommodate 2nd package with top mold cap



# **Description: Compatible BGA**

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.

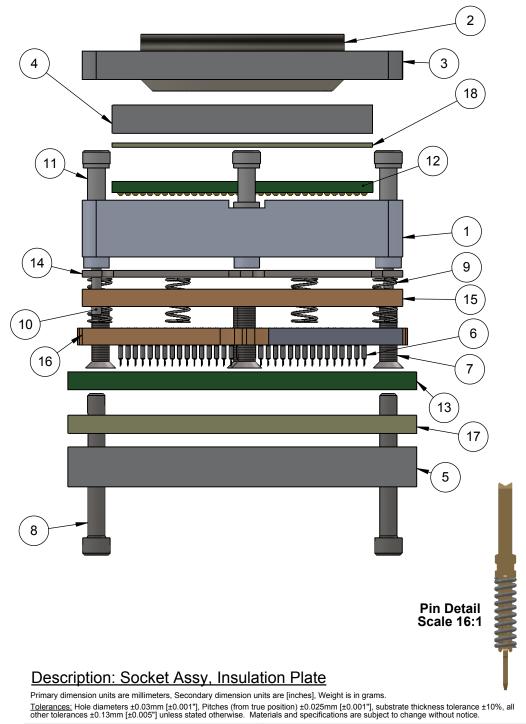
SBT-BGA-7023 Drawing	Weight: 31.53	STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204		ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 3:1
www.ironwoodelectronics.com		FILE: SBT-BGA-7023 Dwg	DATE: 08/19/2014	

ARRAY

PIN COUNT

34 X 34

911

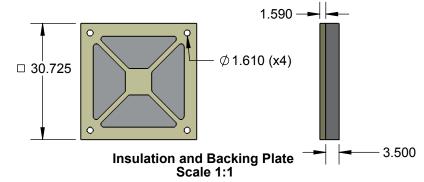


HEM NO.	Description	Material
1	Socket Base SBT BGA 23x23mm	7075-T6 Aluminum Alloy
2	Compression Screw, M18	7075-T6 Aluminum Alloy
3	SBT Ni plt skt lid 23mm	7075-T6, Plate (SS)
4	SBT COMP PLT NI PLT 23MM CSTM	7075-T6, Plate (SS)
5	SBT/CBT NI PLT BACKING PLT 23MM	7075-T6, Plate (SS)
6	SBT Pin, SBT-BGA 0.5mm- 0.8mm	
7	#0-80, 90 deg., head pin guide screw, Peek material 5.5715mm overall Length	PEEK unfilled
8	#0-80 x 0.5, SH Cap Screw	Alloy Steel
9	Floating Guide Spring	Alloy Steel (SS)
10	Dowel pin, 1/32" x 5/16", SS	Chrome Stainless Steel
11	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
12	Test Chip BGA911	Material <not specified=""></not>
13	Test PCB BGA911	Material <not specified=""></not>
14	Floating Guide 23mm, 0.65 pitch, 34x34 array	PEEK Ceramic filled
15	Middle Pogo Guide 23mm 0.65mm 34X34 array	Semitron MDS 100
16	Bottom Guide 23mm 0.65 pitch, 34x34 array	Semitron MDS 100
17	Insulation Plate 23mm IC	FR4 Standard
18	IC Frame	FR4 Standard
		1.1

Material

Description

ITEM NO



## SBT-BGA-7023 Drawing

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Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com Material: N/A Finish: N/A Weight: 31.53

STATUS: Released	SHEET: 4 OF 4	REV. A
ENG: M.A. Fedde	DRAWN BY: M. Raske	SCALE: 3:1
FILE: SBT-BGA-7023 Dwg	DATE: 08/19/2014	