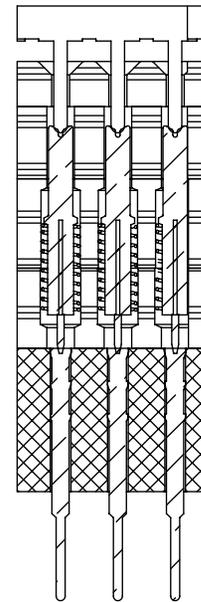
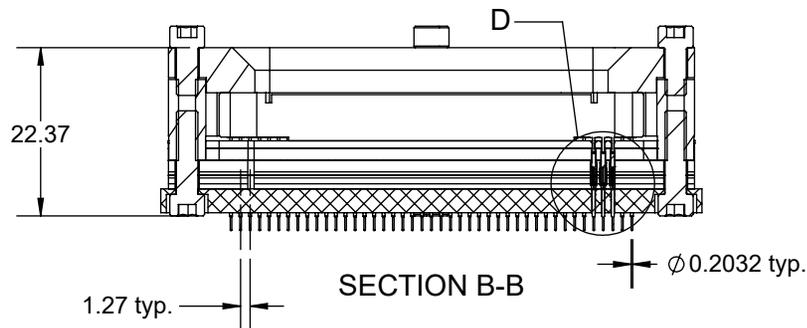
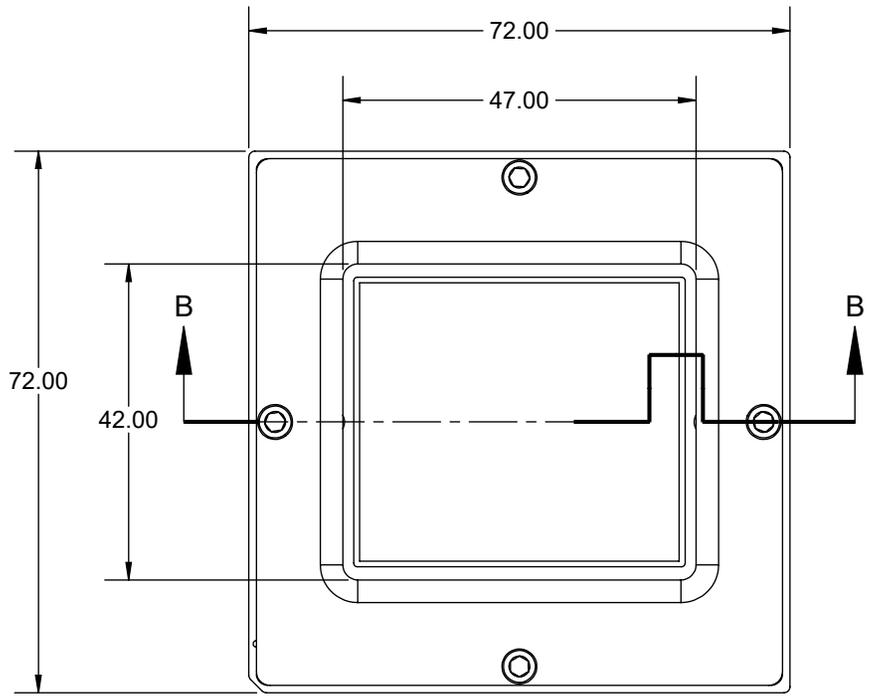


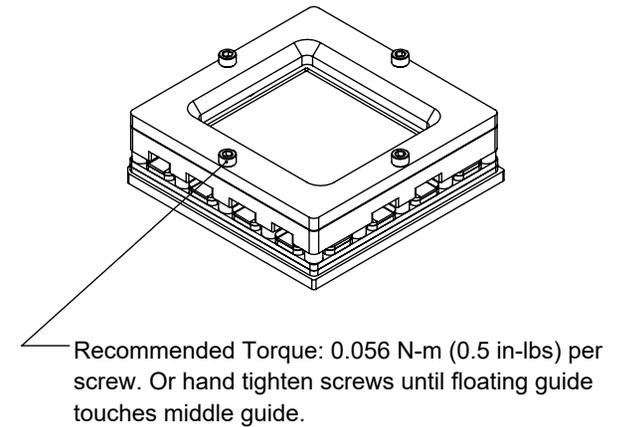
SBT-PGA DIRECT MOUNT, OPEN TOP, SOLDERLESS SOCKET WITH A MALE PIN ADAPTER.

Features

- Wide temperature range (-55C to +180C)
- High current capability (up to 8A)
- 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



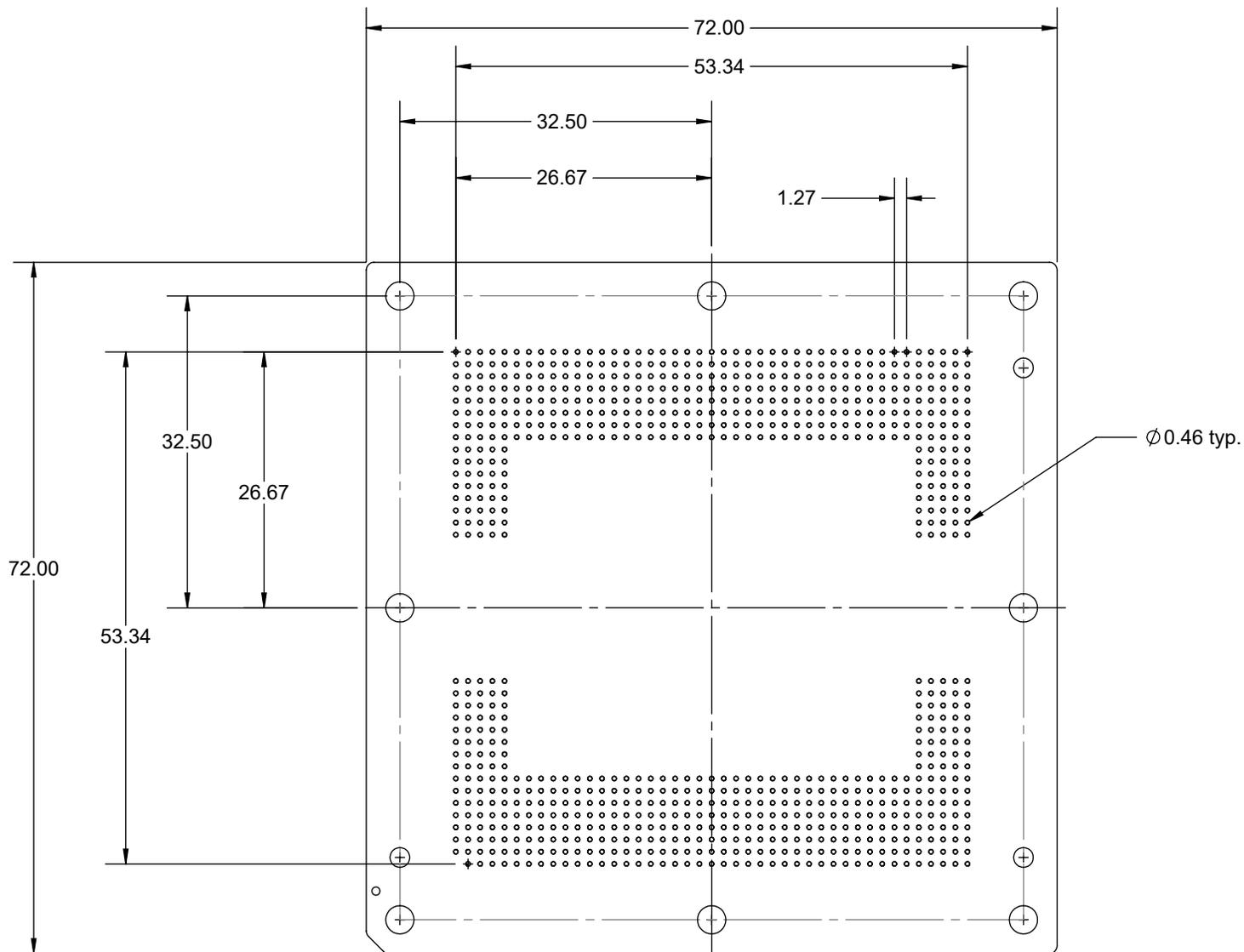
DETAIL D
SCALE 6 : 1



Description: Spring pin socket with a male pin adapter for 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.0254\text{mm}$ [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.381\text{mm}$ [± 0.015 "] unless stated otherwise. Materials and specifications are subject to change without notice.

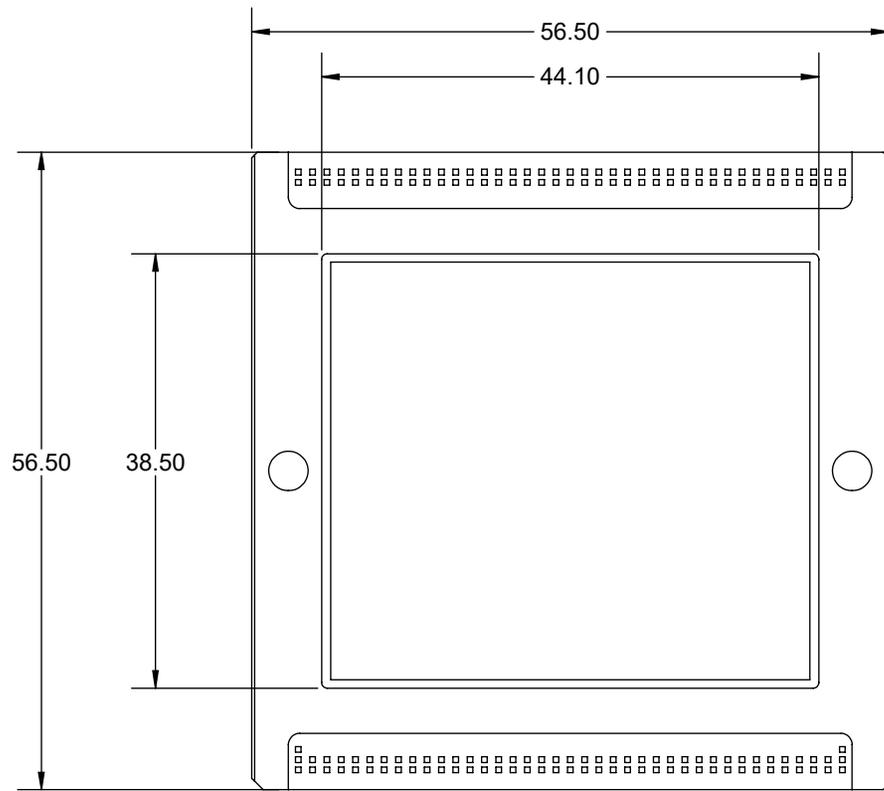
 SBT-PGA-1000 Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 152.70	STATUS: Released ENG: S. Faiz FILE: SBT-PGA-1000 Dwg	SHEET: 1 OF 5 DRAWN BY: M. Raske DATE: 04/26/2016	REV. A SCALE: 1:1



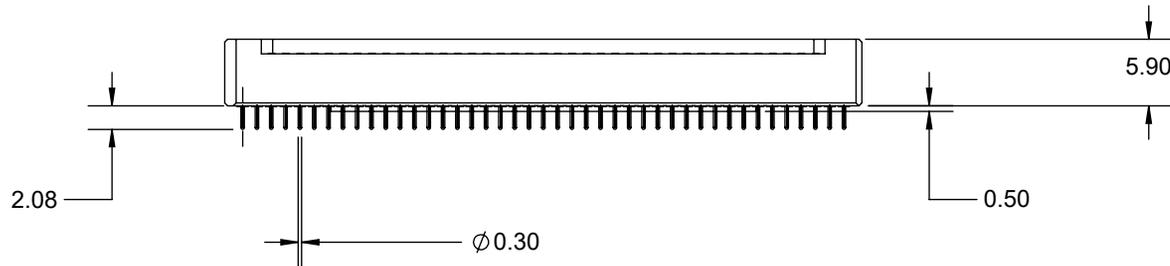
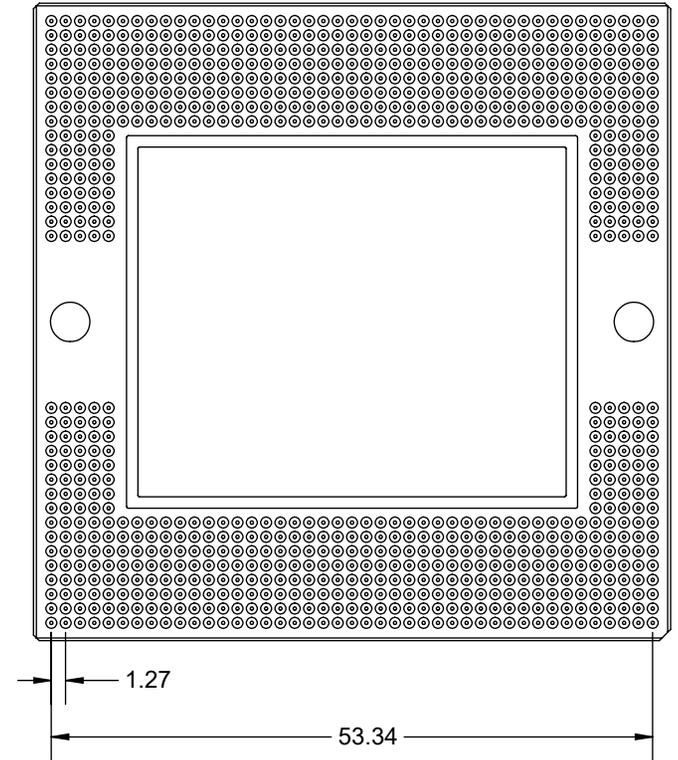
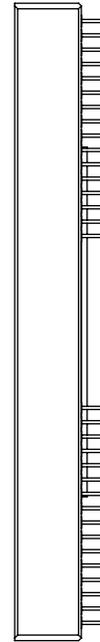
Description: Spring pin socket with a male pin adapter for 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001"$],
 substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$]
 unless stated otherwise. Materials and specifications are subject to change without notice.

 SBT-PGA-1000 Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 152.70	STATUS: Released	SHEET: 2 OF 5	REV. A
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 1.5:1
		FILE: SBT-PGA-1000 Dwg	DATE: 04/26/2016	



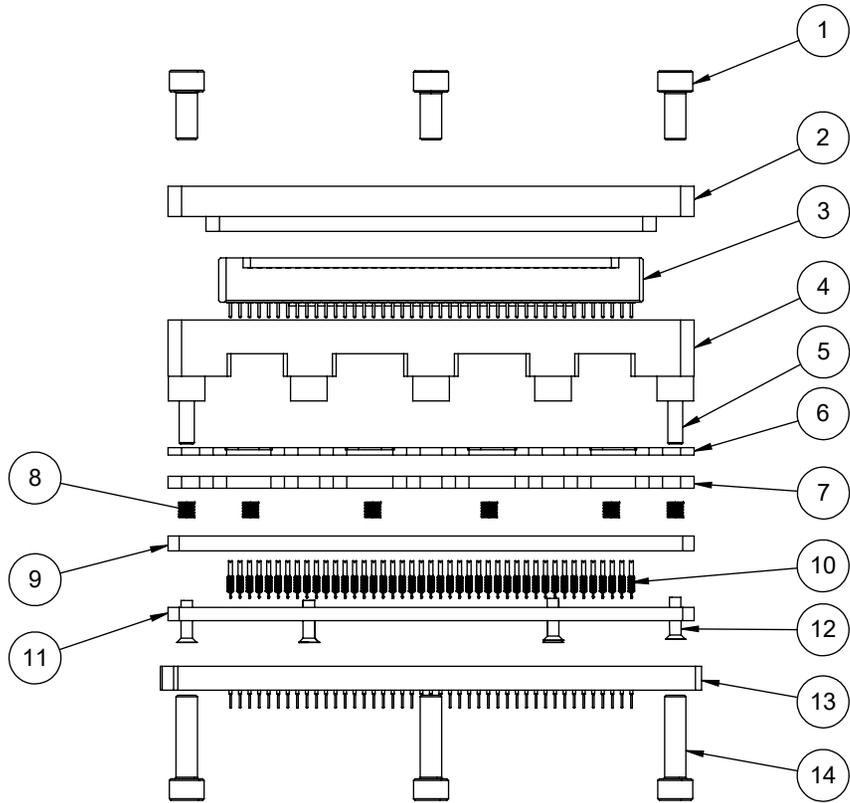
Ironwood Package code: PGA847A



Description: DUT

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001''$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001''$],
 substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005''$]
 unless stated otherwise. Materials and specifications are subject to change without notice.

 SBT-PGA-1000 Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 152.70	STATUS: Released	SHEET: 3 OF 5	REV. A
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 1.5:1
		FILE: SBT-PGA-1000 Dwg	DATE: 04/26/2016	

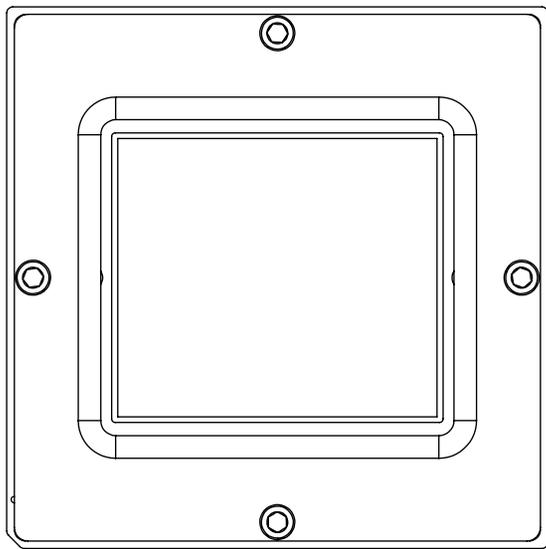


ITEM NO.	Description	Material
1	Screw, #4-40 X .25", Cap	Alloy Steel
2	Open Top Lid	7075-T6 Aluminum Alloy
3	DUT	Ceramic
4	Socket Base	7075-T6 Aluminum Alloy
5	Alloy Steel Dowel Pin M2 Diameter, 14mm Length	Alloy Steel
6	Floating Guide TOP 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA	PEEK
7	Floating Guide Bottom 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA	PEEK
8	Floating Guide Spring	Alloy Steel (SS)
9	Middle pin guide 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA	PEEK
10	Pogo Pin, 1mm Pitch SBT BGA pin	
11	Bottom Pin Guide 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA	PEEK
12	#0-80, 90 deg., head pin guide screw, Peek material 5.5715mm overall Length	PEEK unfilled
13	Thru Hole Pin Adapter for 56.5mm sq. 43x43 array 1.27mm pitch 847 pin PGA	N/A
14	Screw, #4-40 X 0.4375", Cap	Alloy Steel

Description: Parts List

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
 Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

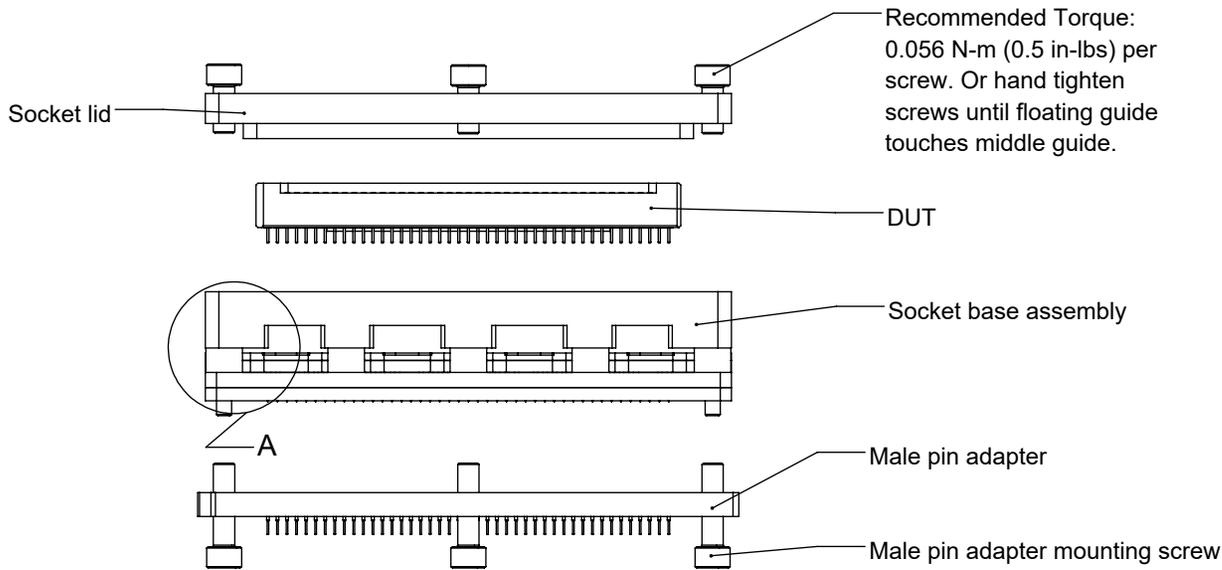
SBT-PGA-1000 Specification  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	STATUS: Released	SHEET: 4 OF 5	REV. A
	Finish: N/A	ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 1:1
	Weight: 152.70	FILE: SBT-PGA-1000 Dwg	DATE: 04/26/2016	



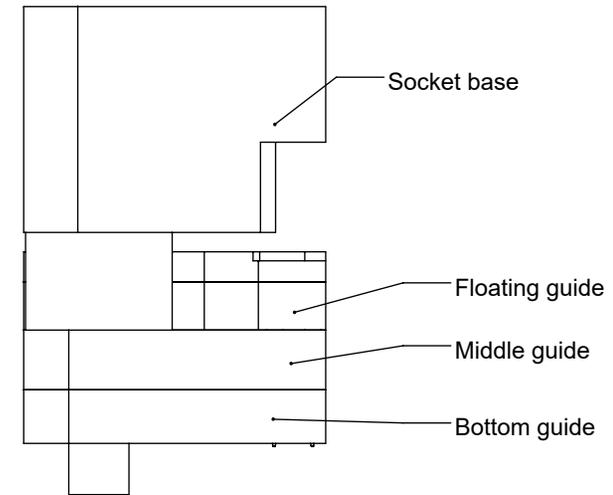
TOP VIEW

User Instruction:

1. Attach Male pin adapter to the socket base.
2. Place DUT into the socket base.
3. Fasten socket lid to the base using screws.



FRONT VIEW



DETAIL A
SCALE 4 : 1

Description: Socket mounting instructions

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0254\text{mm}$ [$\pm 0.001"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

 <p>SBT-PGA-1000 Specification Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 152.70</p>	STATUS: Released	SHEET: 5 OF 5	REV. A
		ENG: S. Faiz	DRAWN BY: M. Raske	SCALE: 1:1
		FILE: SBT-PGA-1000 Dwg	DATE: 04/26/2016	