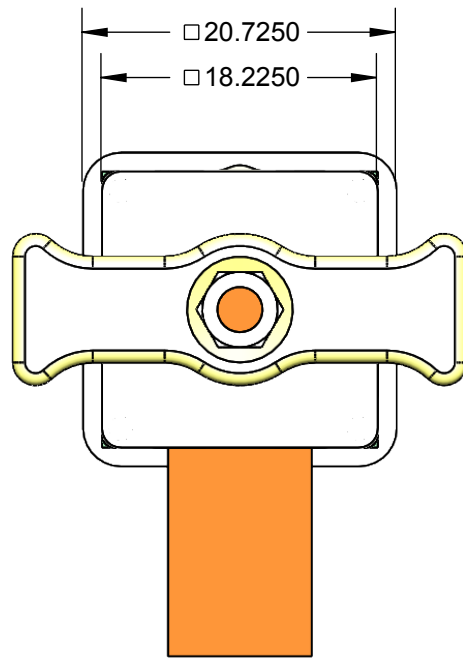


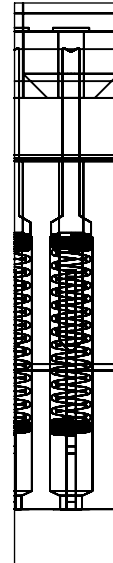
SBT-Flex DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

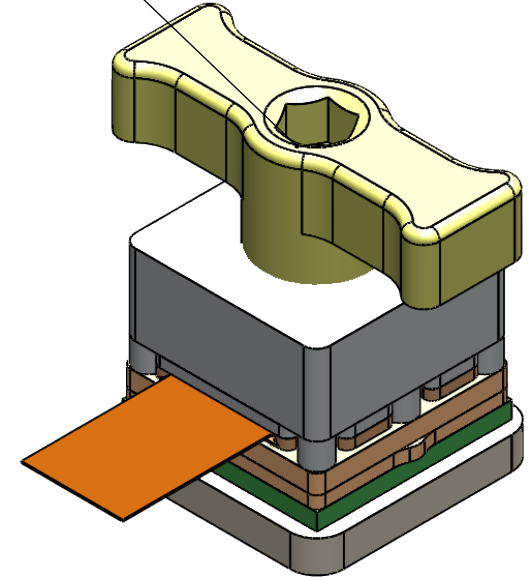
- Wide temperature range (-55C to +180C)
- High current capability (up to 4A)
- Excellent signal integrity at high frequencies
- Low and stable contact resistance for reliable production yield
- Highly compliant to accommodate wide co-planarity variations
- Automated probe manufacturing enables low cost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



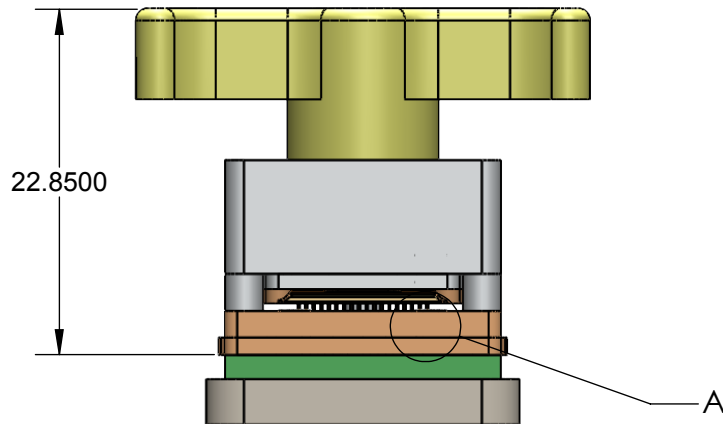
Max Torque 0.22 lbf-in[2.49 N-cm]



DETAIL A
SCALE 16 : 1




NOTE: ~180°-324° rotation from open to close

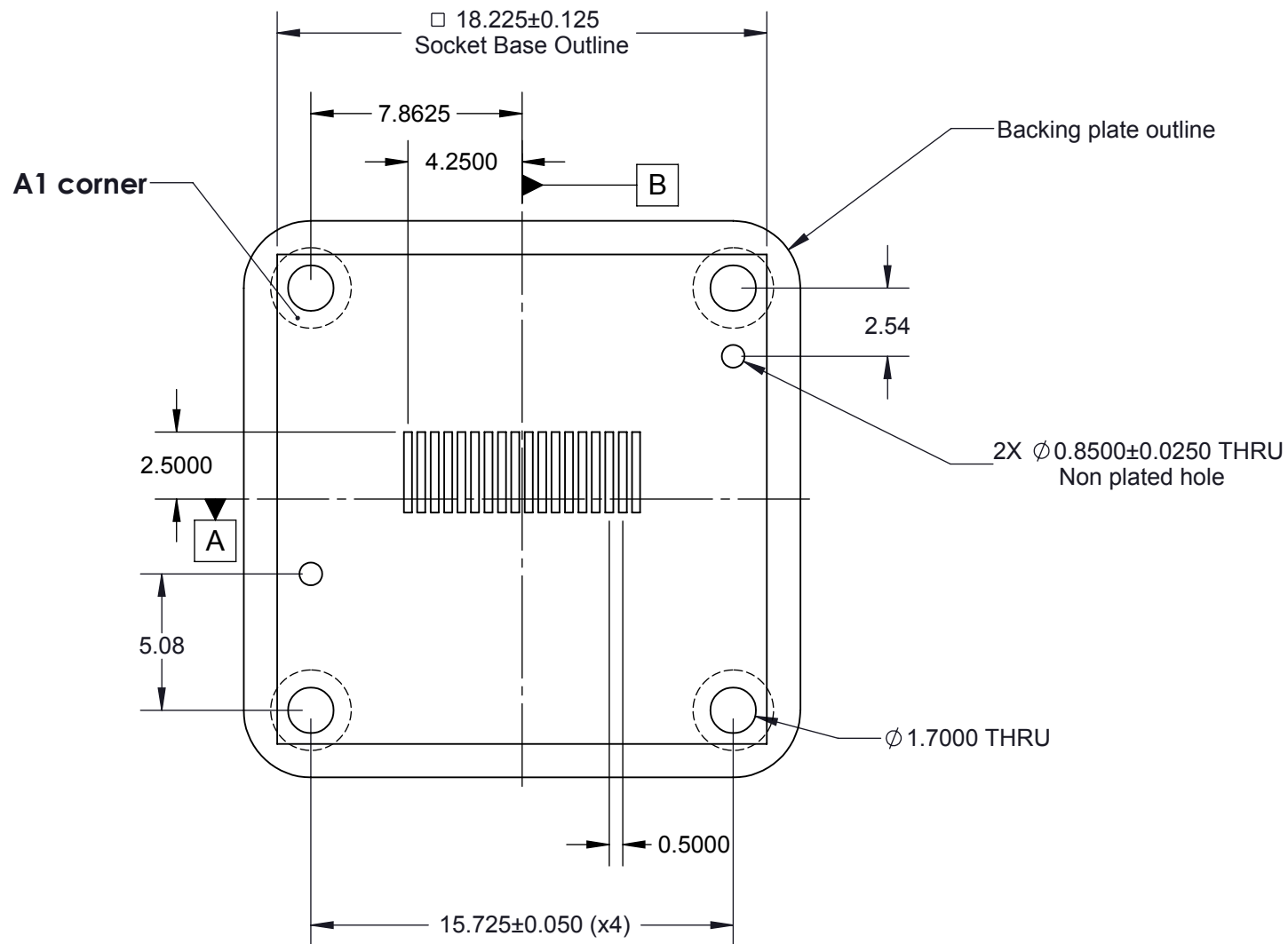


Description: SBT-FLEX for 18 lead flex cable.

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

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

SBT-FLEX-7000 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 17.23	STATUS: Released ENG: J. Vavra FILE: SBT-FLEX-7000 Dwg	SHEET: 1 OF 4 DRAWN BY: M. Raske DATE: 11/16/2015	REV. A SCALE: 2:1




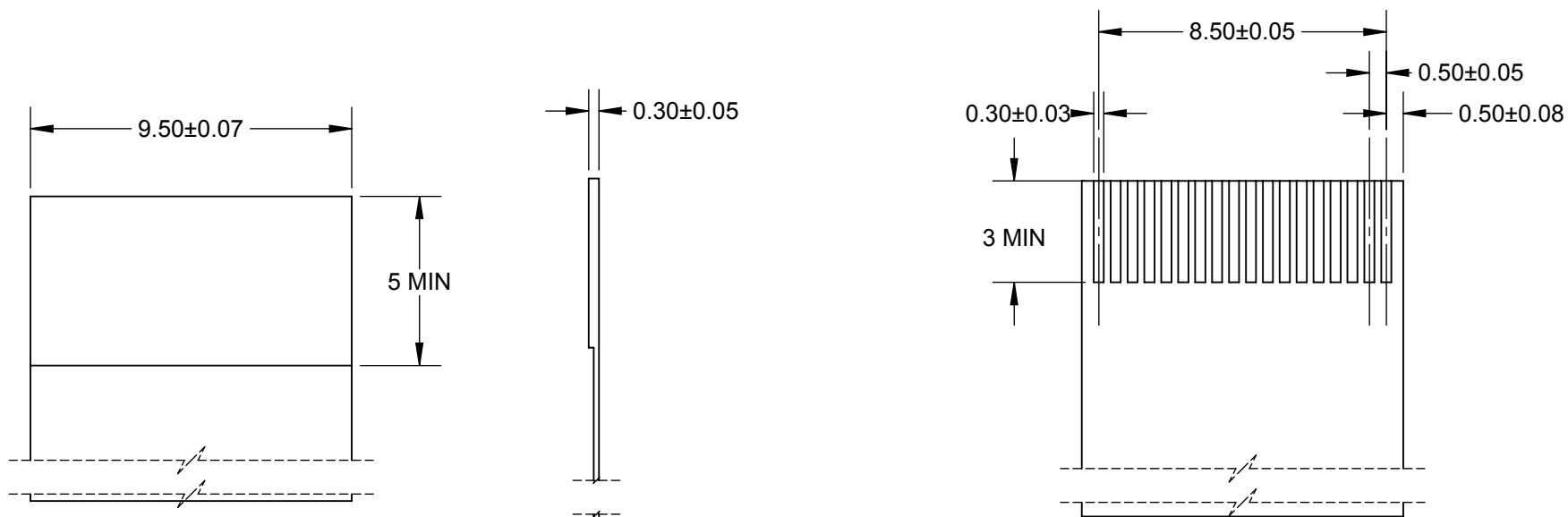
Target PCB Recommendations
 Total thickness: 1.6mm min.
 Plating: Gold or Solder finish
 PCB Pad height: Same or higher than solder mask

Description: Recommended PCB Layout

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) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], 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-FLEX-7000 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 17.23	STATUS: Released ENG: J. Vavra FILE: SBT-FLEX-7000 Dwg	SHEET: 2 OF 4 DRAWN BY: M. Raske DATE: 11/16/2015	REV. A SCALE: 4:1
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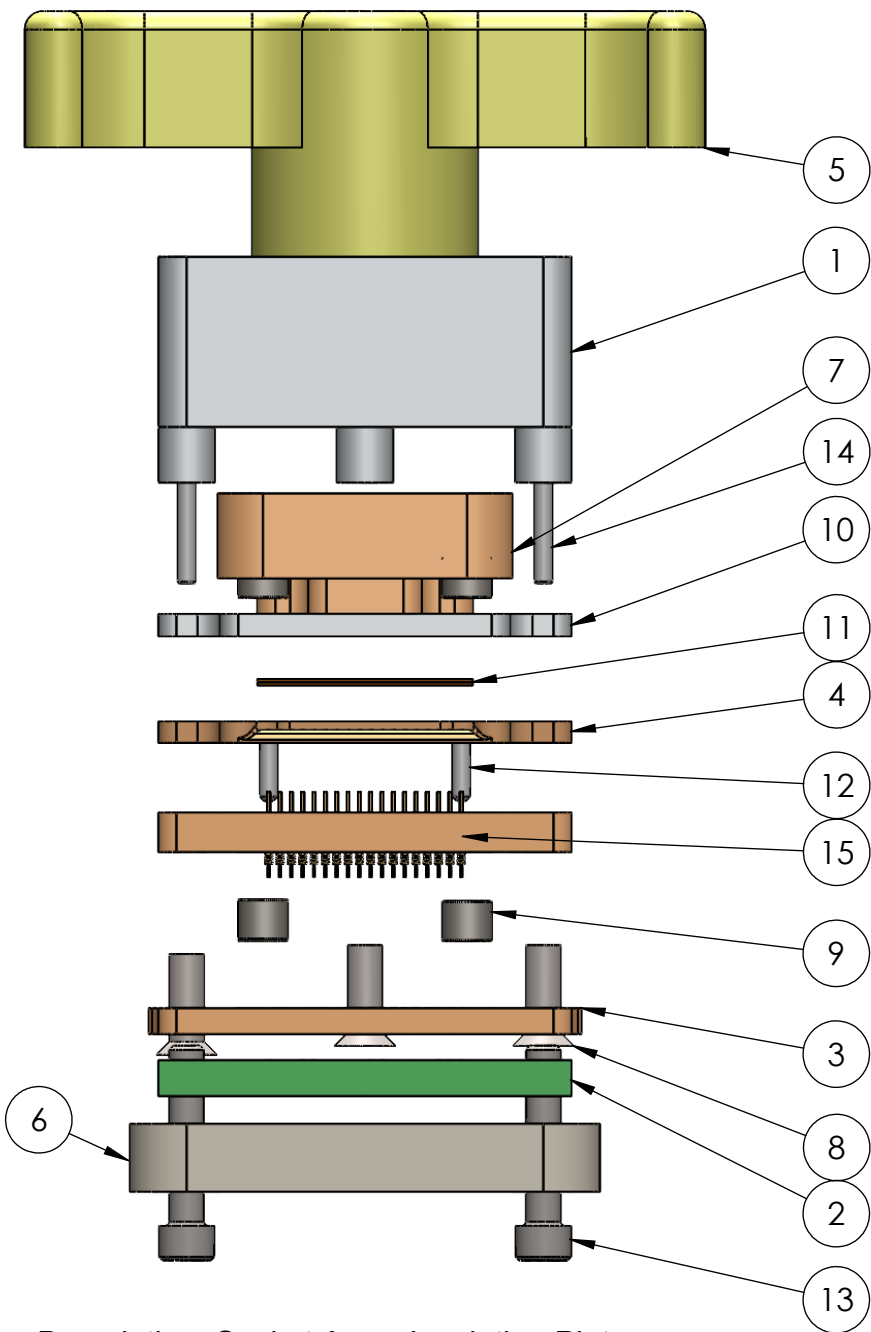
1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.
3. Dimension b is measured at the maximum solder ball diameter, parallel to datum plane Z.
4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.
5. Parallelism measurement shall 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.

Tolerances: Hole diameters $\pm 0.0254 \text{ mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.0762 \text{ mm}$ [± 0.003 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127 \text{ mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.

 SBT-FLEX-7000 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: Material <not specified> Finish: Weight: 17.23	STATUS: Released	SHEET: 3 OF 4	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 5:1
		FILE: SBT-FLEX-7000 Dwg	DATE: 11/16/2015	



ITEM NO.	DESCRIPTION	Material	Full View/QTY.
1	Socket Base, 18 lead flex cable.	7075-T6 Aluminum Alloy	1
2	TPCB for 18 lead flex cable.	FR4 High temp	1
3	Bot Guide for 18 lead flex cable. 0.5mm pitch 54 holes	Semitron MDS 100	1
4	Floating Guide for 18 lead flex cable. 0.5mm pitch 54 holes	Semitron MDS 100	1
5	Compression Screw M10 W 5mm thru hole	7075-T6 Aluminum Alloy	1
6	Backing Plate	7075-T6 Aluminum Alloy	1
7	Compression Plate 18 pin flex	Torlon 5530	1
8	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled	3
9	Floating Guide Spring	Alloy Steel (SS)	7
10	IC Guide for 18 lead flex cable.	7075-T6 Aluminum Alloy	1
11	Tchip for 18 lead flex cable	Kapton Polyimide/Cirlex/Ultem	1
12	Alignment Pin 1/32" dia. x 1/8" lng	Chrome Stainless Steel	2
13	#0-80 X .313 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel	4
14	Dowel pin, 1/32" x 5/16", SS	Chrome Stainless Steel	2
15	Stamped Pin, 0.4mm SBT-BGA	N/A	54
16	Mid Guide for 18 lead flex cable 0.5mm pitch 54 holes	Semitron MDS 100	1

Description: Socket Assy, Insulation Plate

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) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], 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-FLEX-7000 Drawing



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Material: Material <not specified>
Finish:
Weight: 17.23

STATUS: Released

ENG: J. Vavra

FILE: SBT-FLEX-7000 Dwg

SHEET: 4 OF 4

DRAWN BY: M. Raske

DATE: 11/16/2015

REV. A

SCALE: 3:1