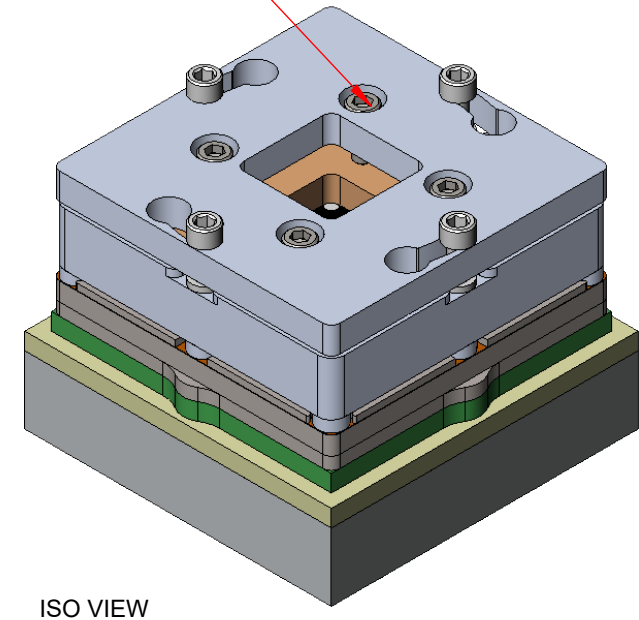
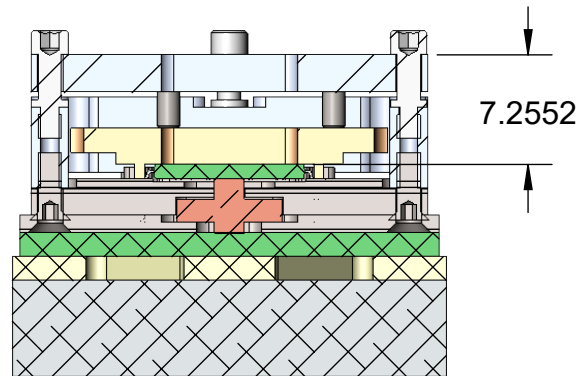
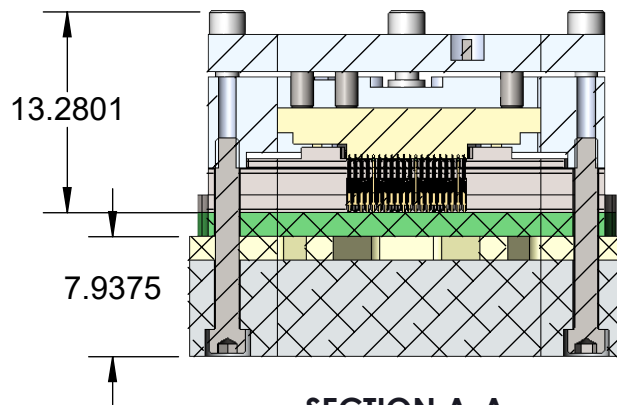
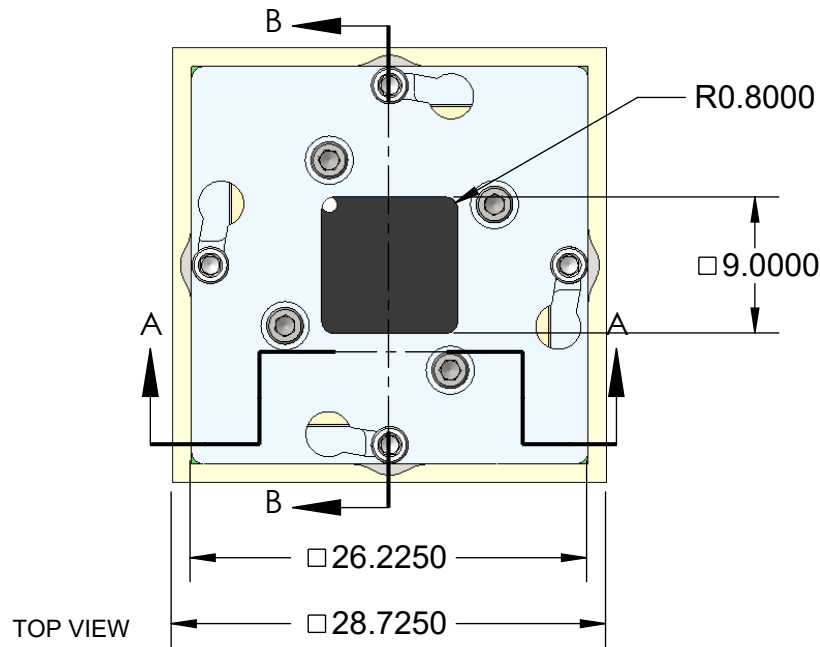


SBT-QFP DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

- Wide temperature range (-55C to +180C)
- High current capability (up to 2.9A)
- 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

Recommended torque is
4.24 Ncm (6 ozf-in) per screw



Description: SBT-QFP80 Socket, 12x12mm T-T, 0.4mm pitch

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-QFE-3009 Drawing



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

Material: N/A
Finish: N/A
Weight: 29.45

STATUS: Released

ENG: E. Smolentseva

FILE: SBT-QFE-3009 Dwg

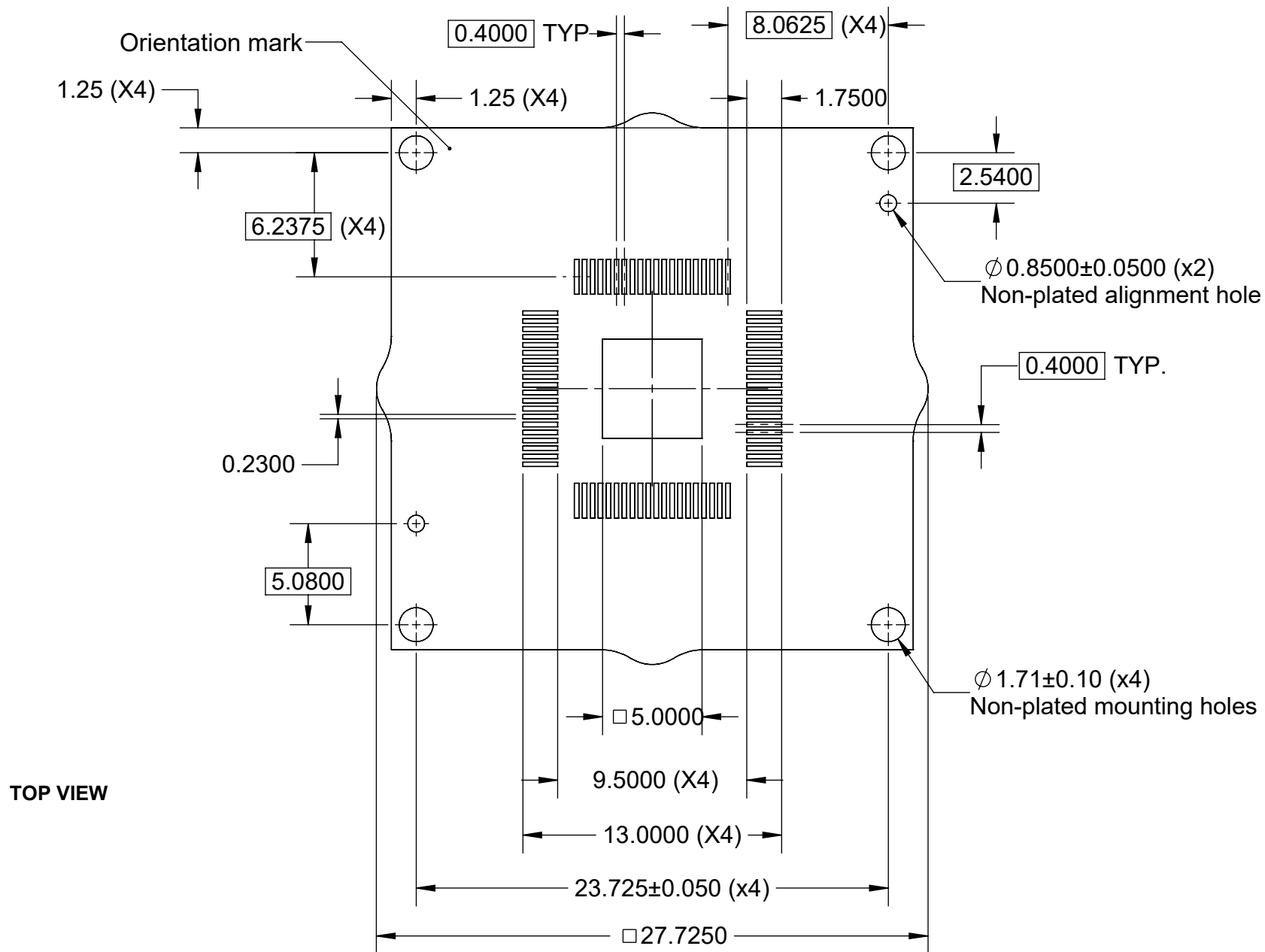
SHEET: 1 OF 5

DRAWN BY: M. Raske

DATE: 05/27/2016

REV. A

SCALE: 2:1



Description: Recommended PCB Layout

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.

Target PCB Recommendations

Total thickness: 1.6mm min.

Plating: Gold or Solder finish

PCB Pad height: Same or higher than solder mask

SBT-QFE-3009 Drawing



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

Material: N/A
Finish: N/A
Weight: 29.45

STATUS: Released

ENG: E. Smolentseva

FILE: SBT-QFE-3009 Dwg

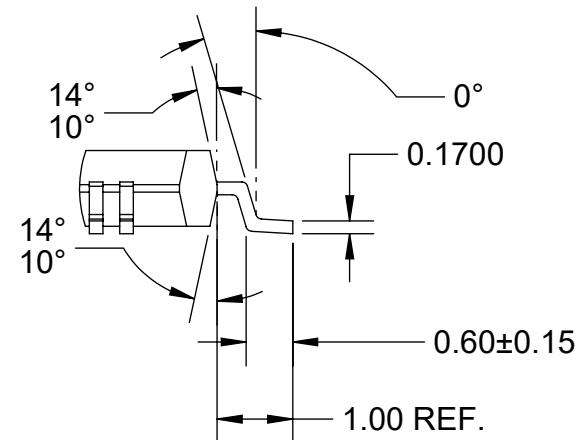
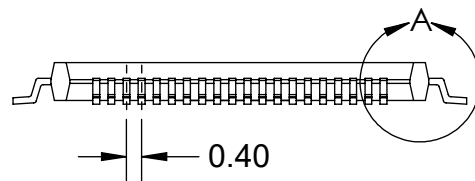
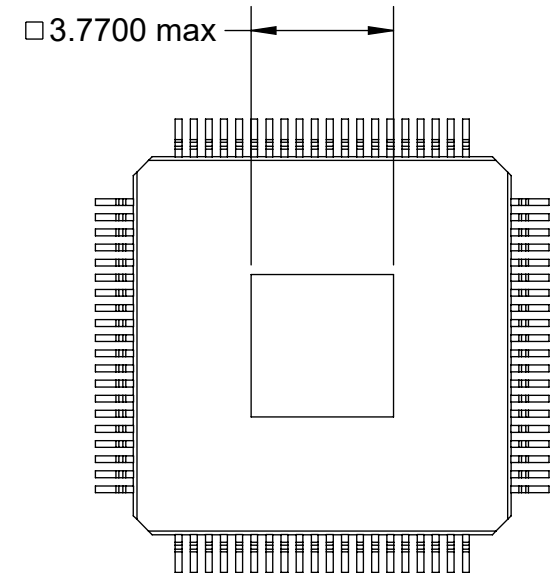
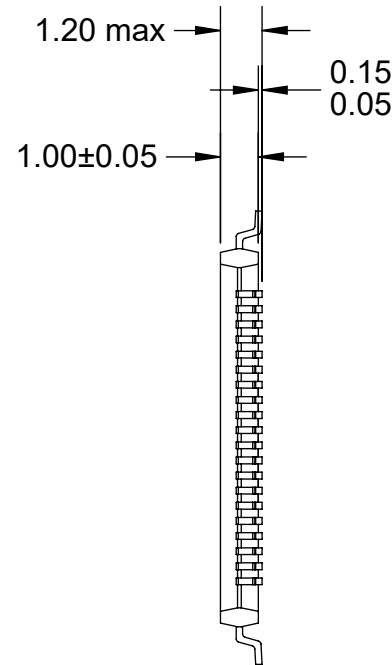
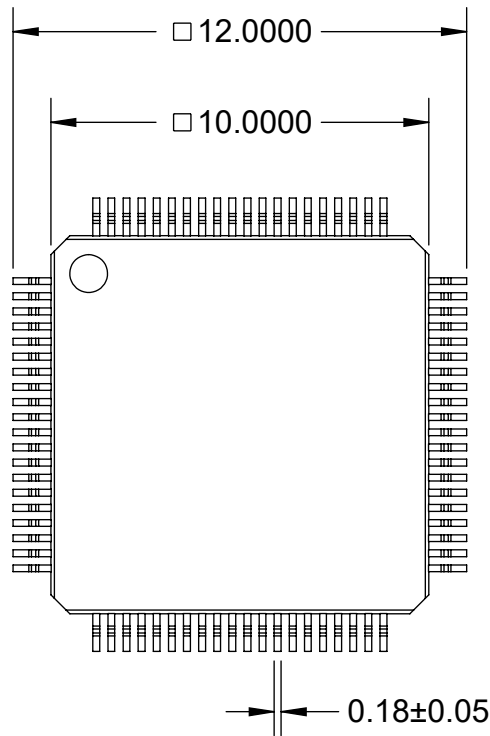
SHEET: 2 OF 5

DRAWN BY: M. Raske

DATE: 05/27/2016

REV. A

SCALE: 3.5:1



DETAIL A
SCALE 10 : 1

1. Dimensions are in millimeters.
2. Interpret dimensions and tolerances per ASME Y14.5M-1994.

Description: Compatible QFE

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-QFE-3009 Drawing



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

Material: N/A
Finish: N/A
Weight: 29.45

STATUS: Released

ENG: E. Smolentseva

FILE: SBT-QFE-3009 Dwg

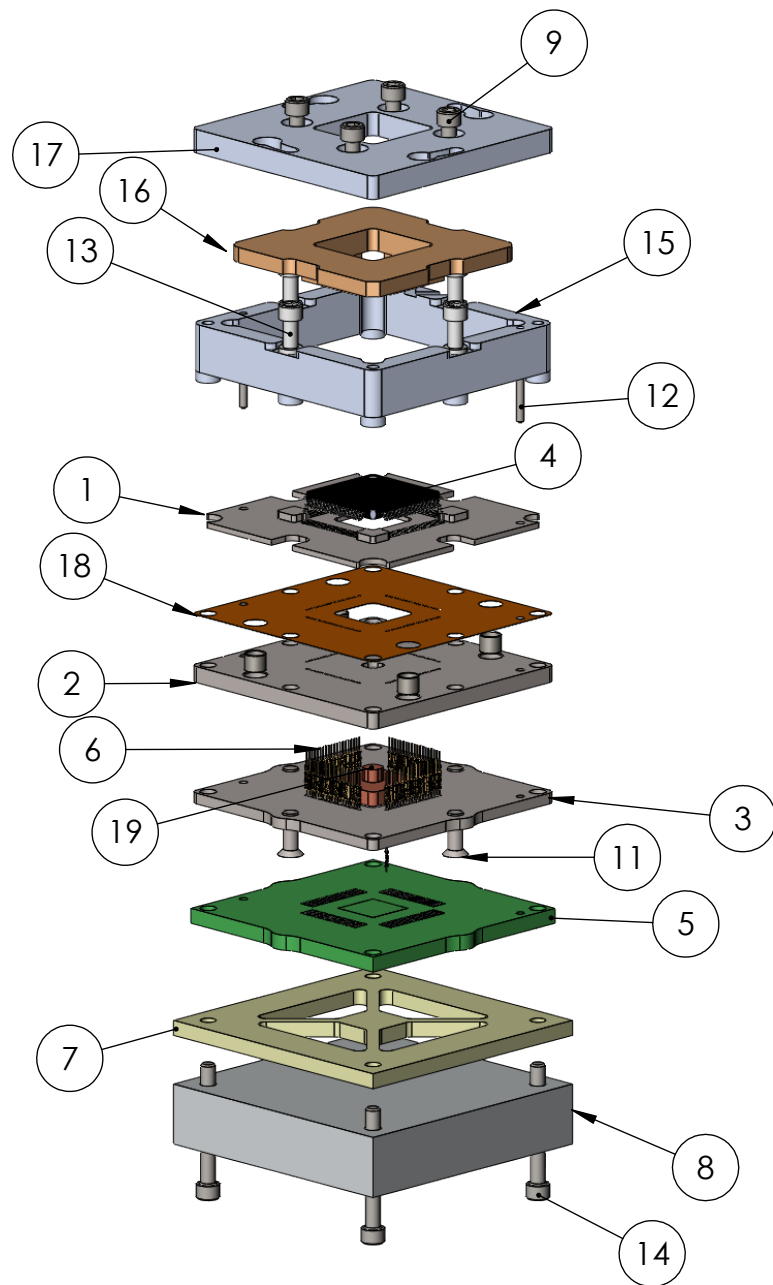
SHEET: 3 OF 5

DRAWN BY: M. Raske

DATE: 05/27/2016

REV. A

SCALE: 4:1



ITEM NO.	DESCRIPTION	Material
1	Floating guide; 80 holes	PEEK
2	Middle Guide, 80 holes	PEEK
3	Bottom Guide, 80 holes	PEEK
4	CFE QFE80 0.4mm pitch Chip	FR4 High temp
5	Customer's target PCB	FR4 High temp
6	Stamped Pin, 0.4mm SBT-BGA	N/A
7	Insulation plate, 21x21mm IC	High Temp FR4
8	CBT/GBT Backing plate 21mm Ni plated	7075-T6, Plate (SS)
9	#0-80 X .125 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
10	Floating Guide Spring	Alloy Steel (SS)
11	#0-80, 90 deg., head pin guide screw, Peek material	PEEK unfilled
12	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
13	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
14	#0-80 x 0.5, SH Cap Screw	18-8 Stainless Steel
15	Socket base	7075-T6 Aluminum Alloy
16	Compression plate	Utem 1000
17	Socket lid	7075-T6 Aluminum Alloy
18	pin orientation guide, QFE80 0.4mm pitch	Kapton Polyimide/Cirlex
19	Cu slug for CBT-QFE-3008	Copper

Description: Socket Spec

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-QFE-3009 Drawing



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

Material: N/A
Finish: N/A
Weight: 29.45

STATUS: Released

ENG: E. Smolentseva

FILE: SBT-QFE-3009 Dwg

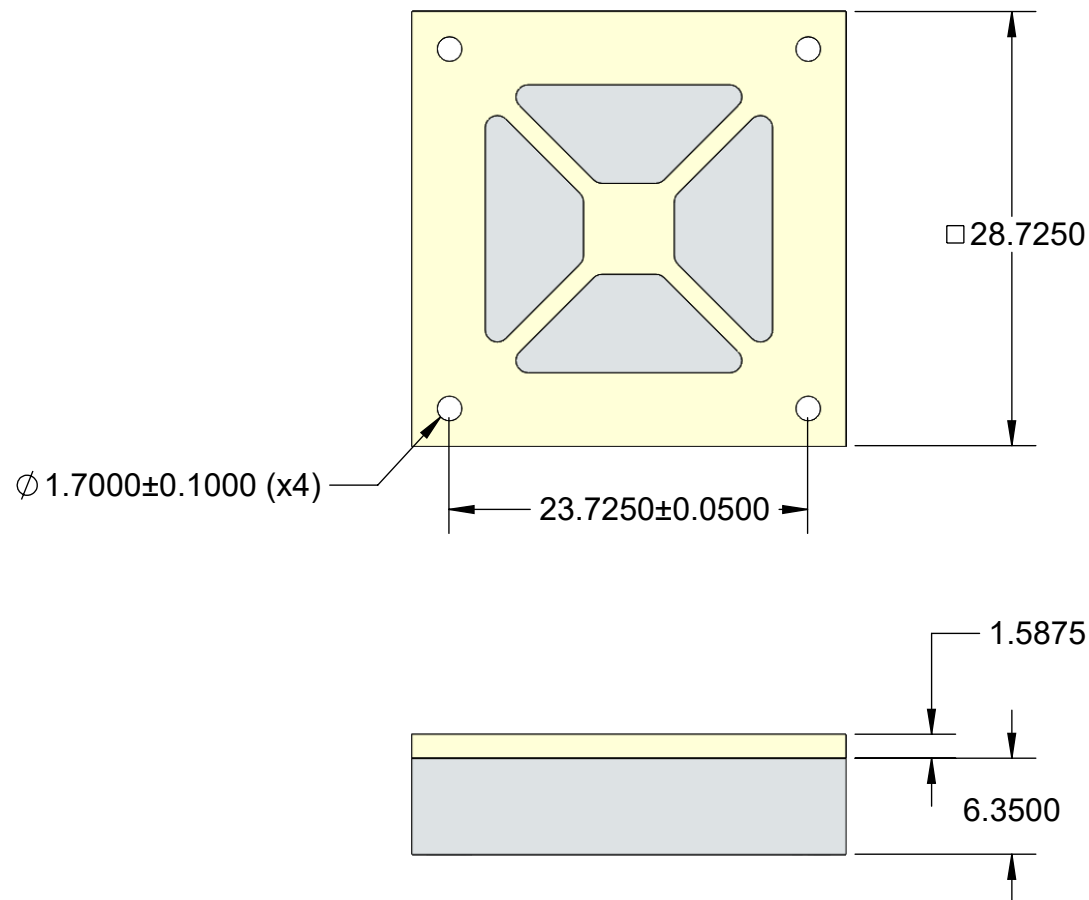
SHEET: 4 OF 5

DRAWN BY: M. Raske

DATE: 05/27/2016

REV. A


SCALE: 1.3:1



Description: Backing and Insulating 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-QFE-3009 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 29.45	STATUS: Released	SHEET: 5 OF 5	REV. A
		ENG: E. Smolentseva	DRAWN BY: M. Raske	SCALE: 2:1
		FILE: SBT-QFE-3009 Dwg	DATE: 05/27/2016	