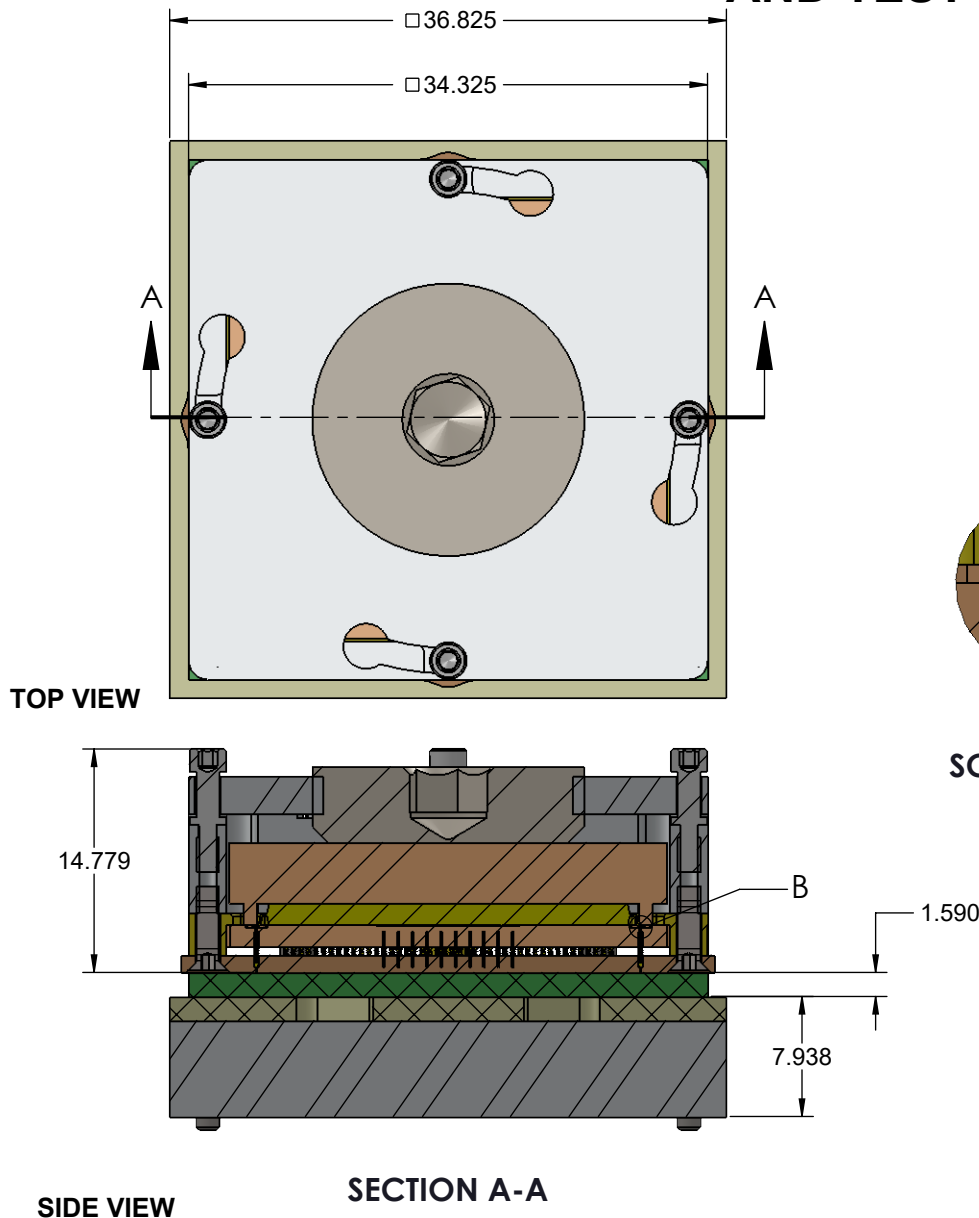


SBT-QFE144 DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

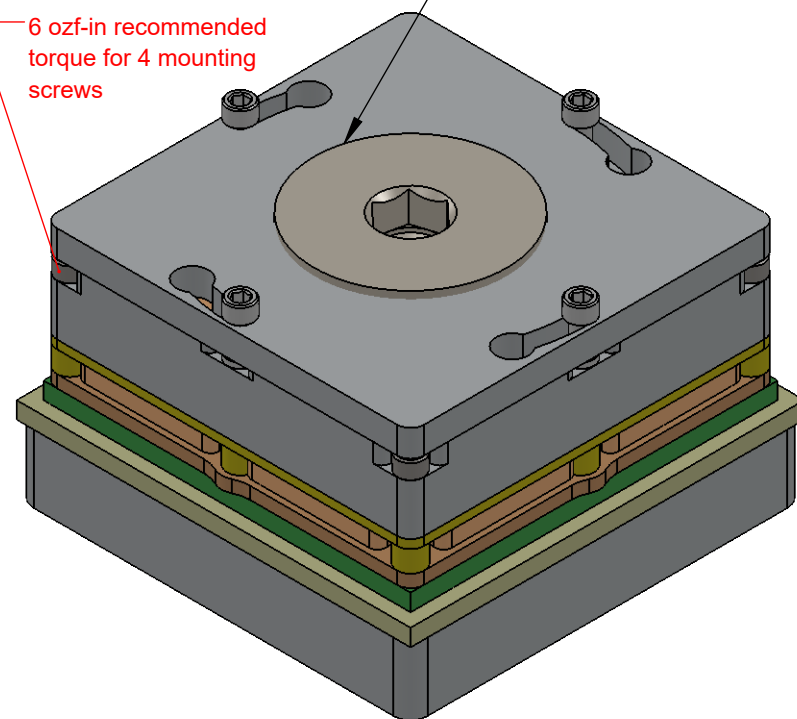


Features

- 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.

1.57 lbf-in. {17.74 N-cm}


6 ozf-in recommended torque for 4 mounting screws

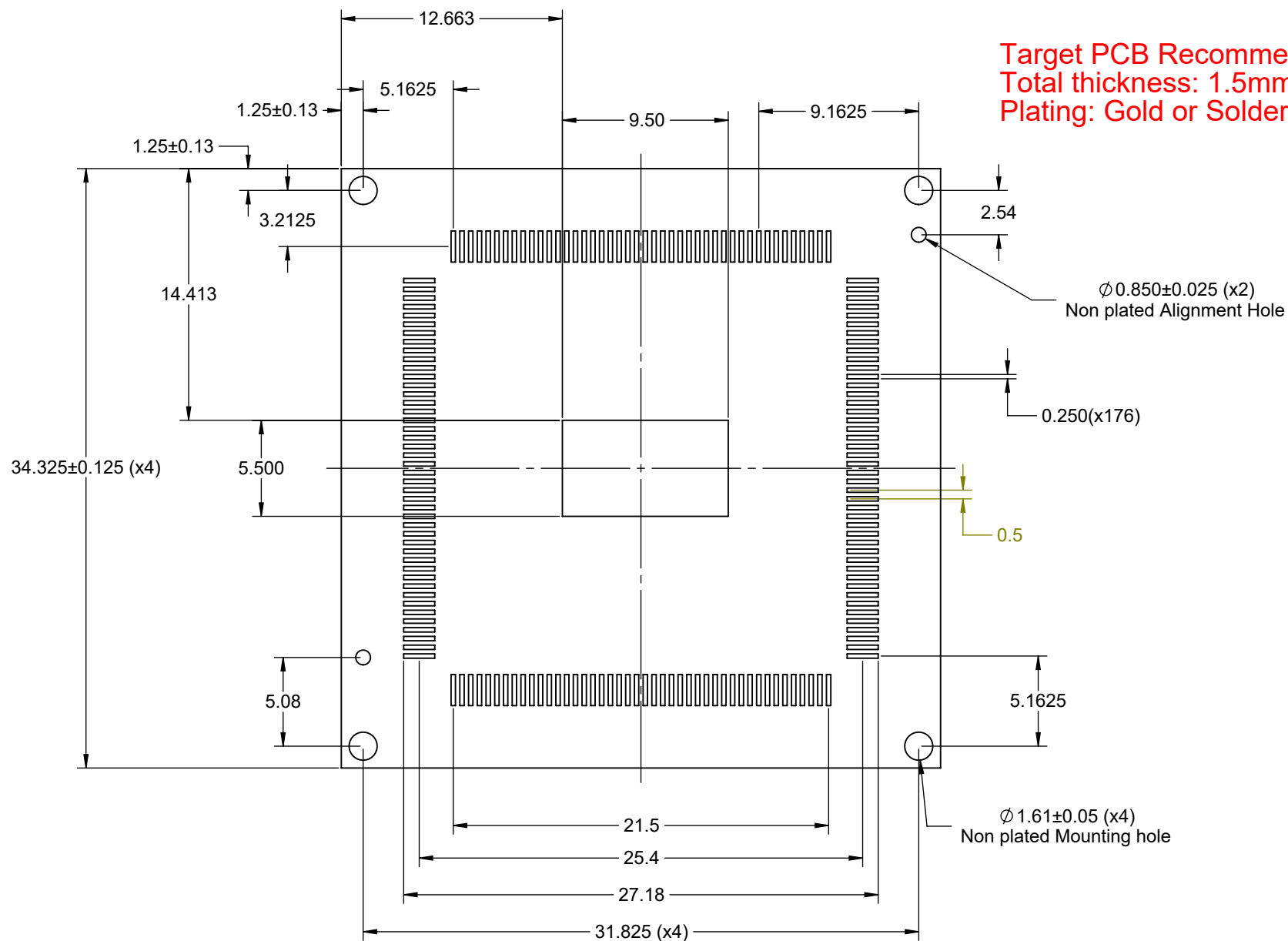


Description: SBT-QFE for 176 lead 26mm T2Tmm, 24mm body, 0.5mm pitch

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-3007 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 55.15	STATUS: Released ENG: J. Vavra FILE: SBT-QFE-3007 Dwg	SHEET: 1 OF 5 DRAWN BY: M. Raske DATE: 9/18/2015	REV. A SCALE: 2:1
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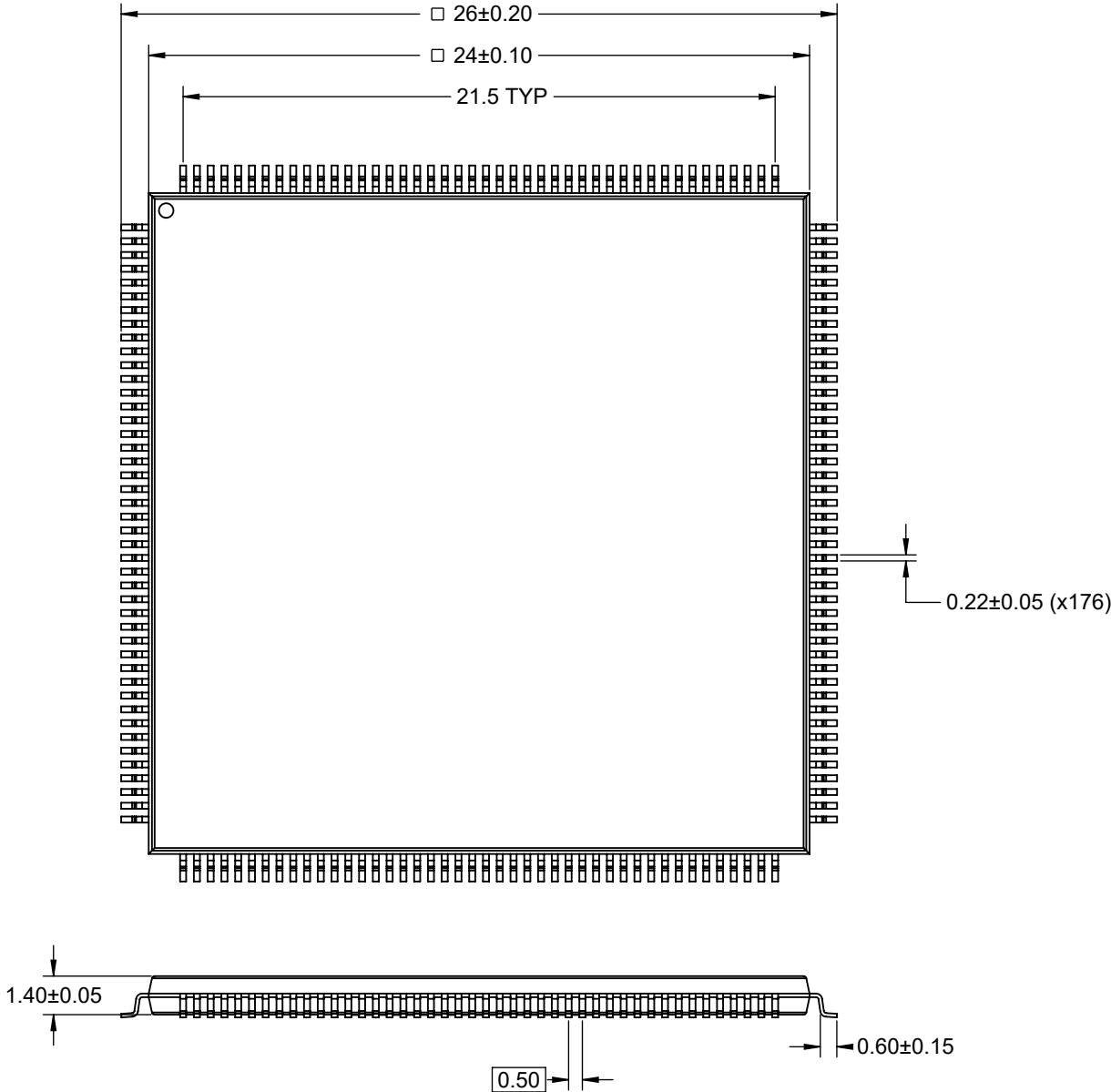


Description: Recommended PCB layout

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.

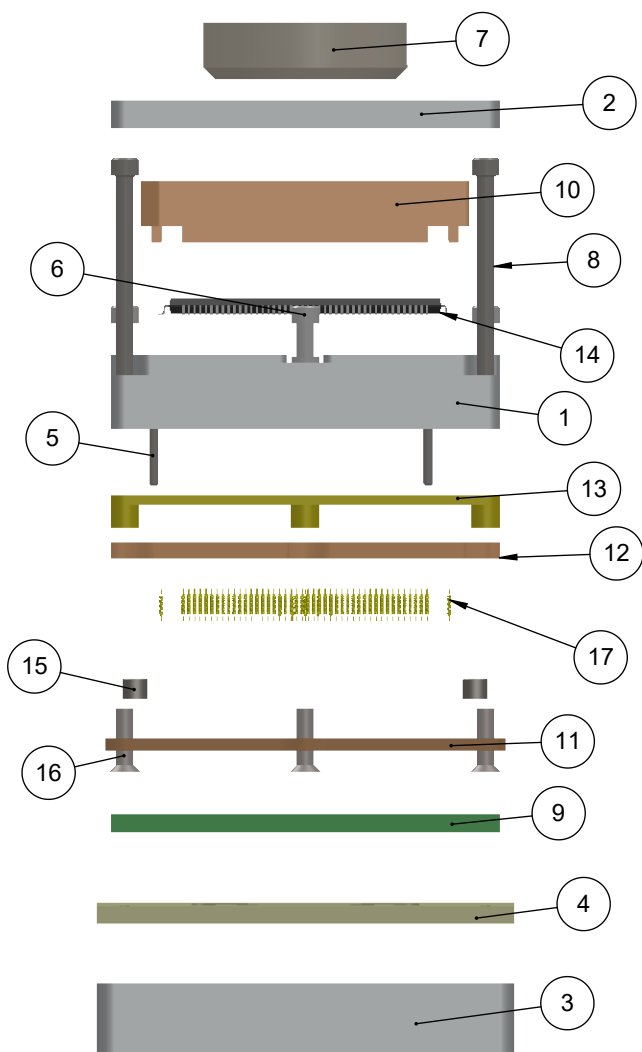
 SBT-QFE-3007 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 55.15	STATUS: Released	SHEET: 2 OF 5	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: SBT-QFE-3007 Dwg	DATE: 9/18/2015	



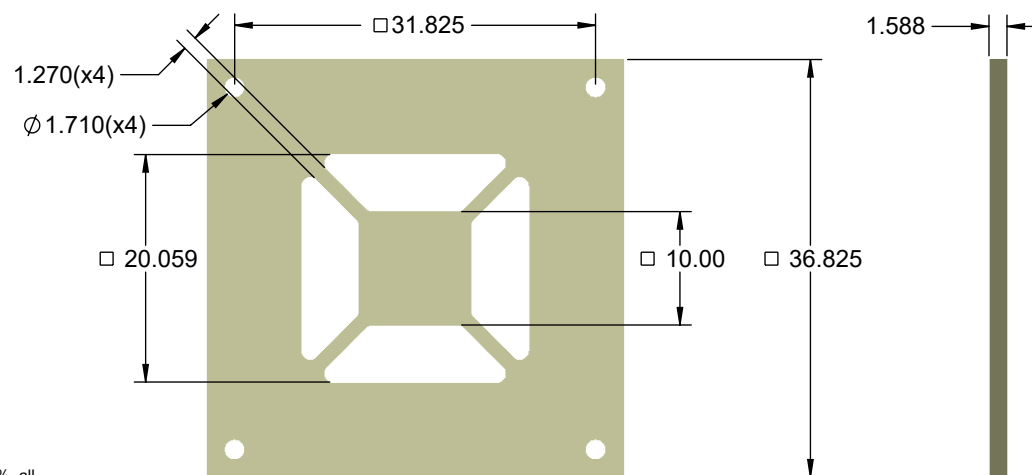
Description: Compatible IC

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-3007 Drawing		Material: N/A	STATUS: Released	SHEET: 3 OF 5	REV. A
	Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Finish: N/A	ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 4:1
		Weight: 55.15	FILE: SBT-QFE-3007 Dwg	DATE: 9/18/2015	




ITEM NO.	DESCRIPTION	Material
1	Socket Base	7075-T6 Aluminum Alloy
2	Socket Lid	7075-T6 Aluminum Alloy
3	Backing Plate	7075-T6 Aluminum Alloy
4	Insualtion Plate	FR4
5	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
6	#0-80 Shoulder Screw, 2.29mm thread length	Stainless Steel (303)
7	Compression Screw, M18	7075-T6 Aluminum Alloy
8	#0-80 X .75 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
9	Test Board QFE176 0.5mm pitch	FR4 High temp
10	Compression Plate	Ultem 1000
11	Bottom Guide, QFE176 0.5mm pitch 226 holes	Semitron MDS 100
12	Floating Guide QFE176 0.5mm pitch 226 holes	Semitron MDS 100
13	IC Guide QFE176 26x26mm	Torlon 4203
14	CFE, Tchip, QFP176 from Analog Devices for C14782	
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	Stamped Pin, 0.4mm SBT-LGA/QFN	N/A

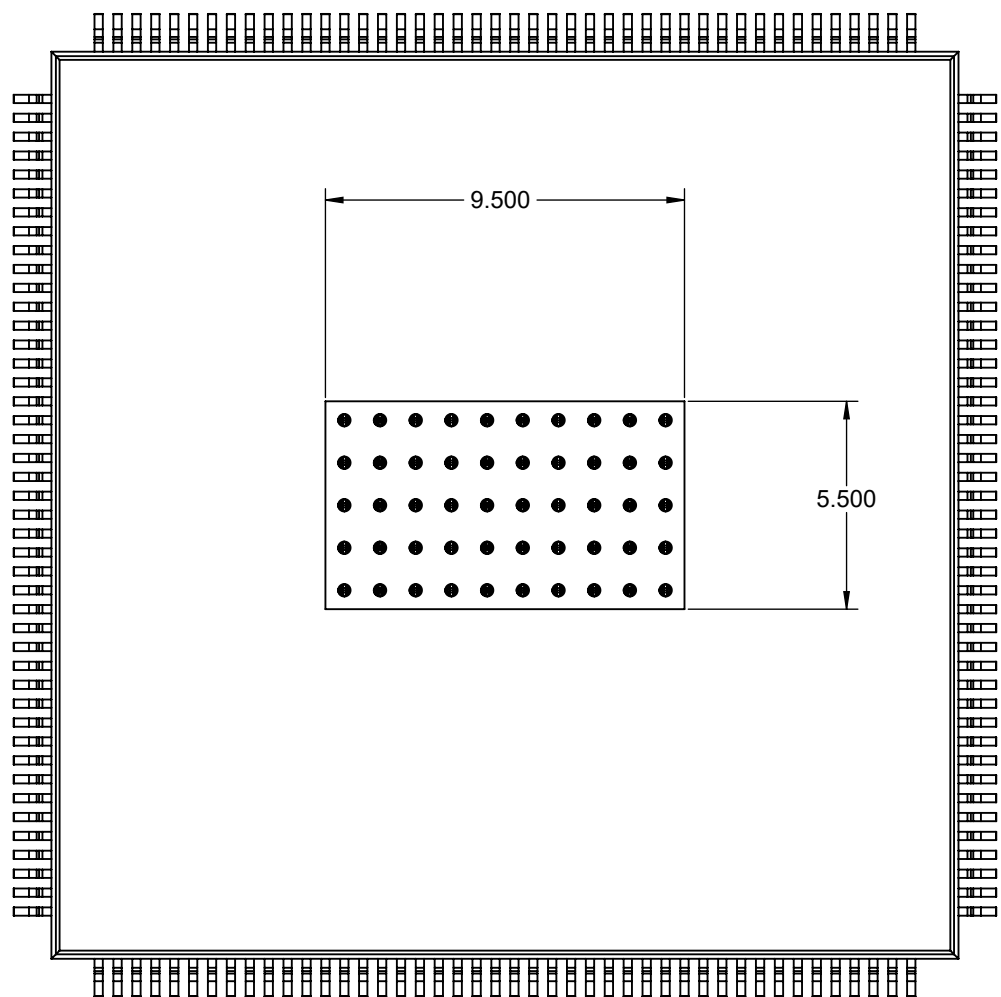


Description: Skt, Insulation Plate, Pin Det

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-3007 Drawing		STATUS: Released	SHEET: 4 OF 5	REV. A
 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A	ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 1.5:1
	Finish: N/A	FILE: SBT-QFE-3007 Dwg	DATE: 9/18/2015	
	Weight: 55.15			



Description: Thermal Pad

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-3007 Drawing  ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 55.15	STATUS: Released ENG: J. Vavra FILE: SBT-QFE-3007 Dwg	SHEET: 5 OF 5 DRAWN BY: M. Raske DATE: 9/18/2015	REV. A SCALE: 5:1
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