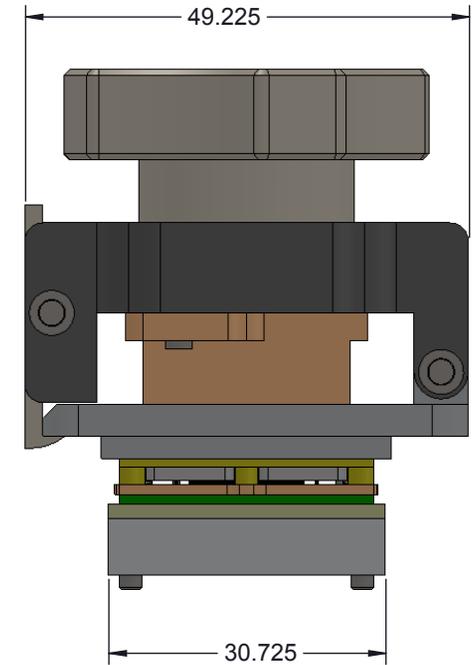
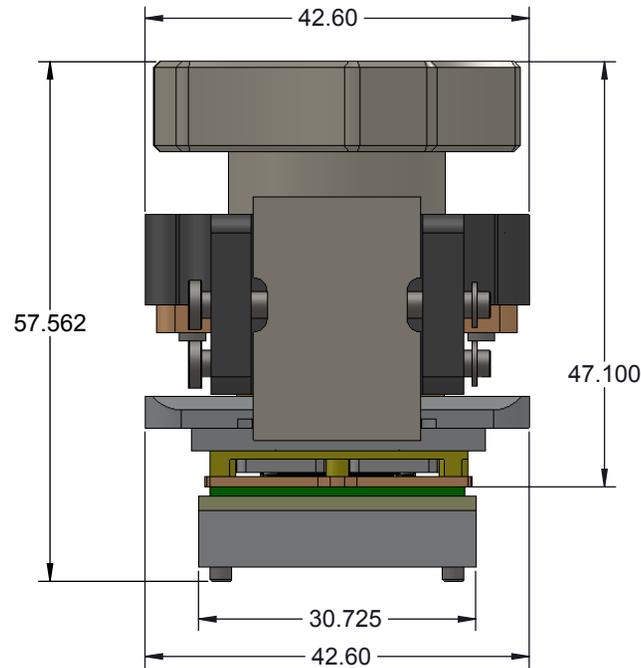
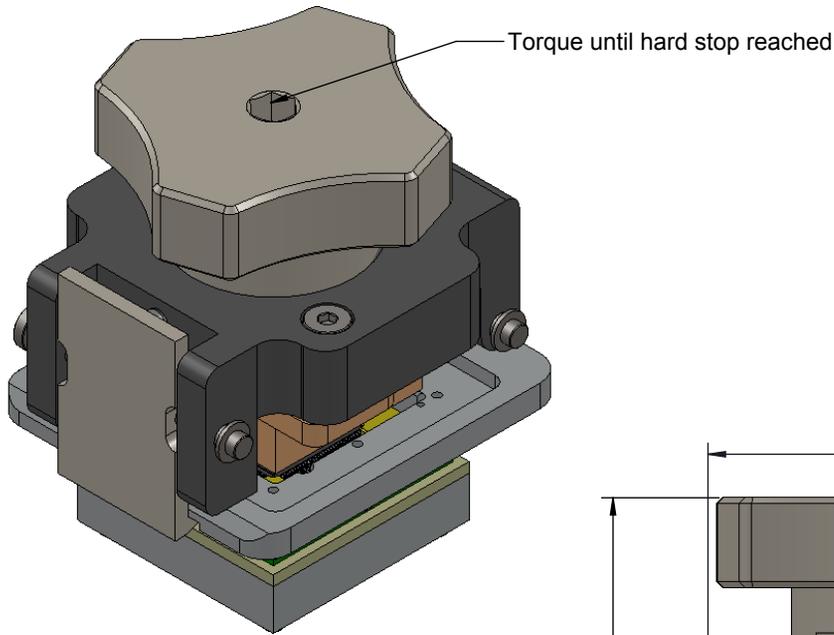


Spring pin socket for QFE128SD package; DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

Features

- Wide temperature range (-55C to +180C).
- High current capability (up to 1.8A).
- 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.

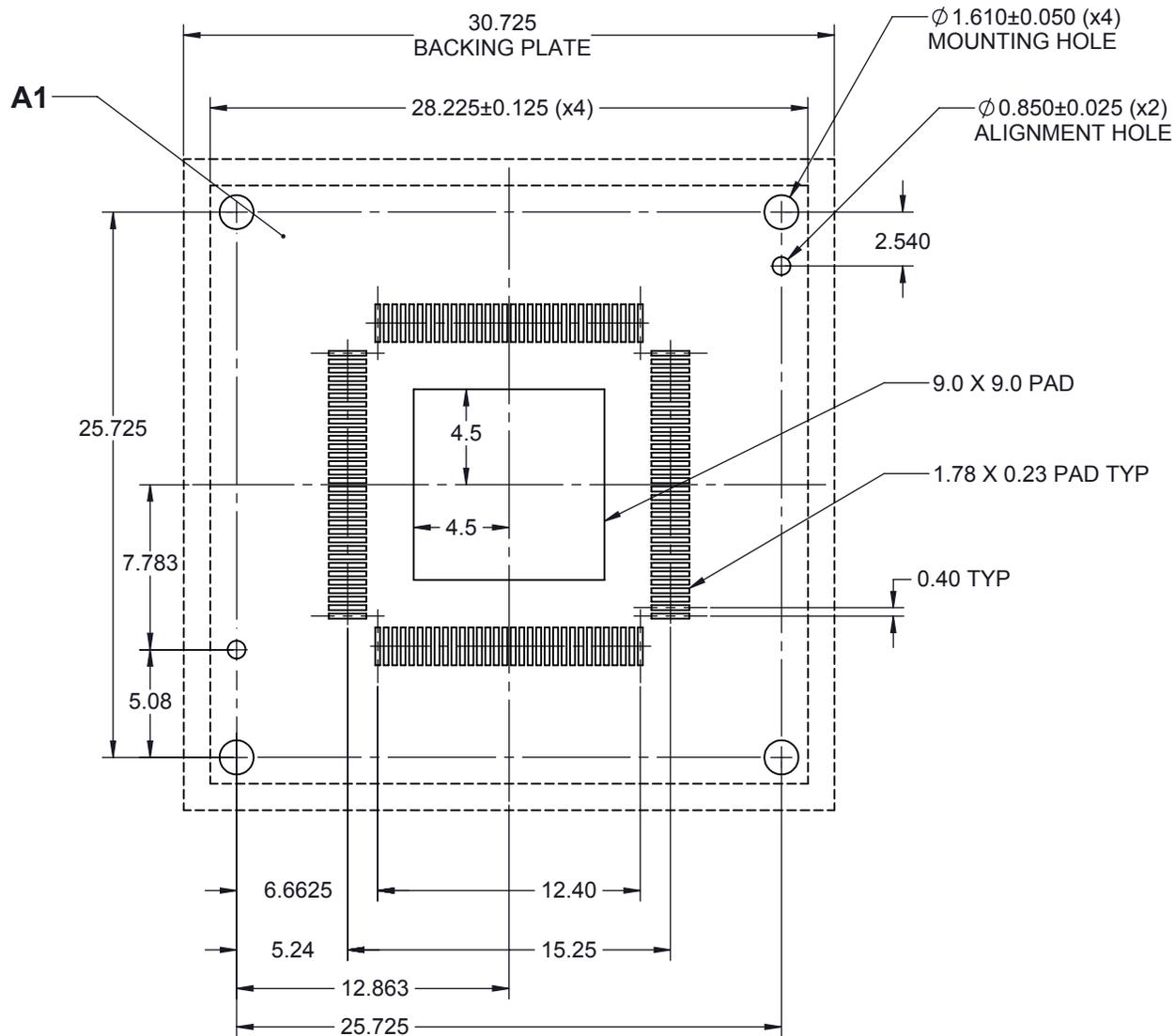


Description: CBT-QFE128SD w/ gnd pin array

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.

 CBT-QFE-3002 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 134.60	STATUS: Released	SHEET: 1 OF 5	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 3:2.5
		FILE: CBT-QFE-3002 Dwg	DATE: 1/15/2015	



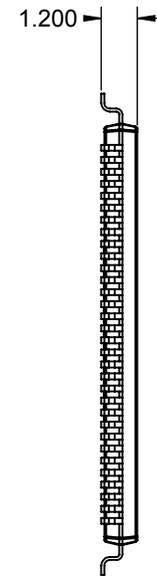
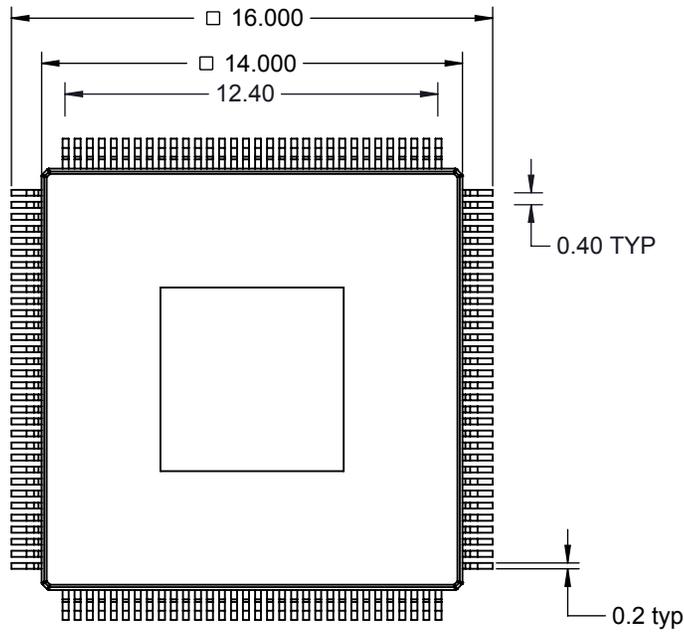
Target PCB Recommendations
 Total thickness: 1.5mm min.
 Plating: Gold or Solder finish

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.

 CBT-QFE-3002 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 134.60	STATUS: Released	SHEET: 2 OF 5	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 3:1
		FILE: CBT-QFE-3002 Dwg	DATE: 1/15/2015	



Ironwood Package codes accommodated					
Pkg. Code	Pins	Pitch	Body Size	Tip to tip	foot length
QFE128SD	128	0.4mm	14mm x 14mm	16mm x 16mm	0.6mm

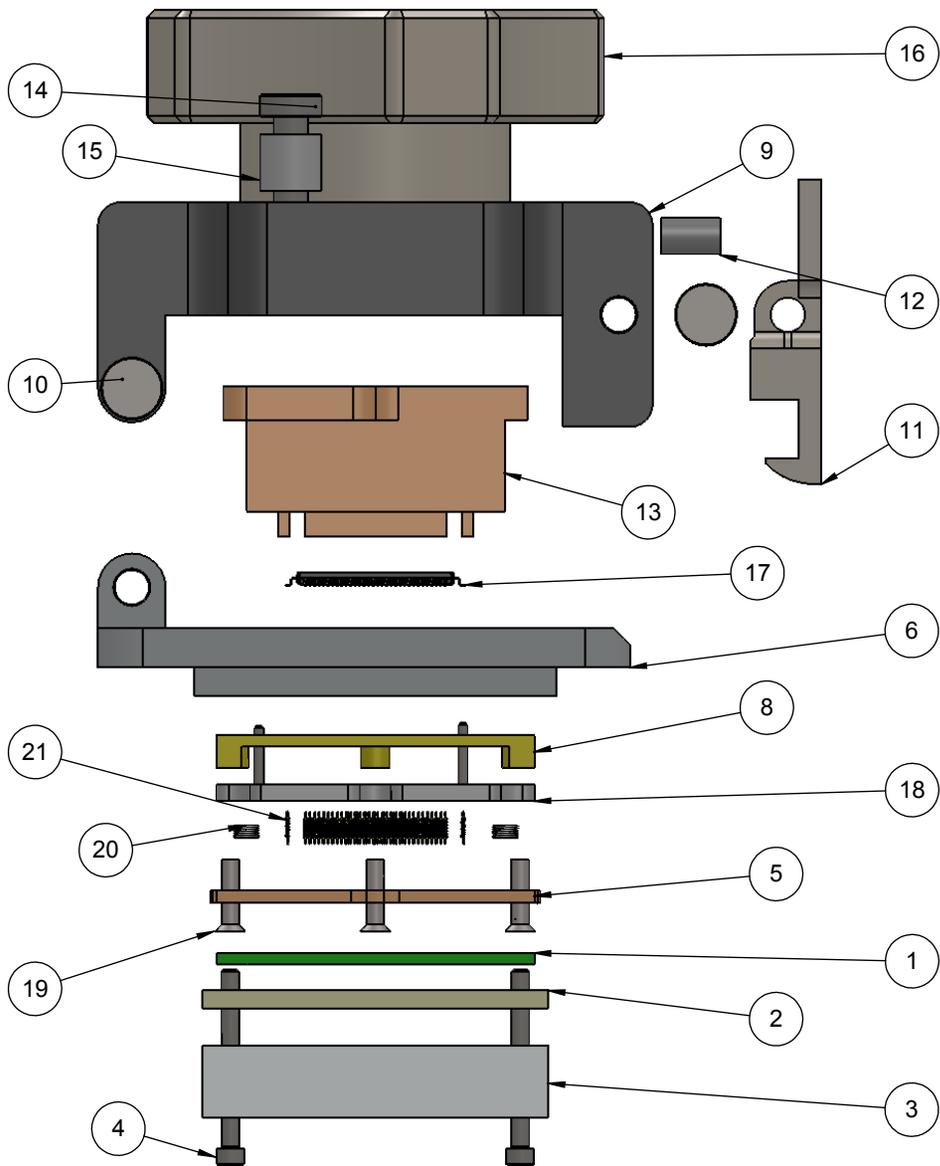
Dimensions are in millimeters.

Description: Compatible IC

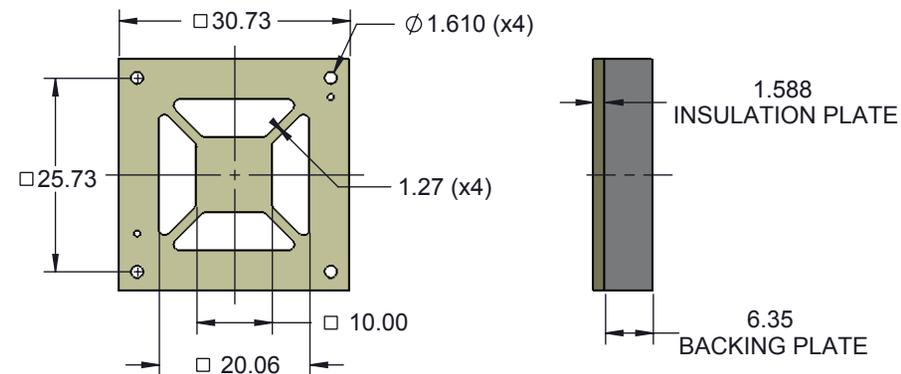
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

 CBT-QFE-3002 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 134.60	STATUS: Released	SHEET: 3 OF 5	REV. A
		ENG: J. Vavra	DRAWN BY: M. Raske	SCALE: 4:1
		FILE: CBT-QFE-3002 Dwg	DATE: 1/15/2015	



ITEM NO.	DESCRIPTION	Material
1	Test PCB	Material <not specified>
2	Insulation plate for 23x23mm IC	FR4 High temp
3	Backing Plate	7075-T6 Alumium Alloy
4	#0-80 X .625 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
5	Bottom Pin Guide QFE-128SD 0.40mm pitch	Semitron MDS 100
6	Socket Base clamshell 23mm	7075-T6, Plate (SS)
7	Dowel pin, 1/32" X 1/4", SS	Stainless Steel (18-8)
8	IC Guide QFE-128SD	Torlon 4203
9	Socket Lid	7075-T6 Aluminum Alloy
10	Hinge Pin and Snap Ring, 3mm OD, 30mm long, 1045 Stl, Blk Oxide	AISI 1045 Steel, cold drawn
11	Latch	7075-T6 Aluminum Alloy
12	Precision Compression Spring, Zinc-Plated Music Wire, 1/2" Length, .12" OD, .016" Wire	Zinc Plated Music Wire
13	Compression Plate	Ultem 1000
14	Screw, M3 x 12mm, Low Head Cap, SS	18-8 Stainless Steel
15	Spring Clamshell lid assembly	Steel Music Wire
16	Compression Screw	7075-T6 Aluminum Alloy
17	QFP, 128-Leads, Body 14x14mm, Pitch 0.4mm,	
18	Top Pin Guide QFE-128SD	TECAPEEK CMF Ceramic filled
19	#0-80X0.25", 90 deg., head pin guide screw, Peek material	PEEK unfilled
20	Floating Guide Spring	Alloy Steel (SS)
21	Stamped Pin, 0.4mm SBT-LGA/QFN	N/A

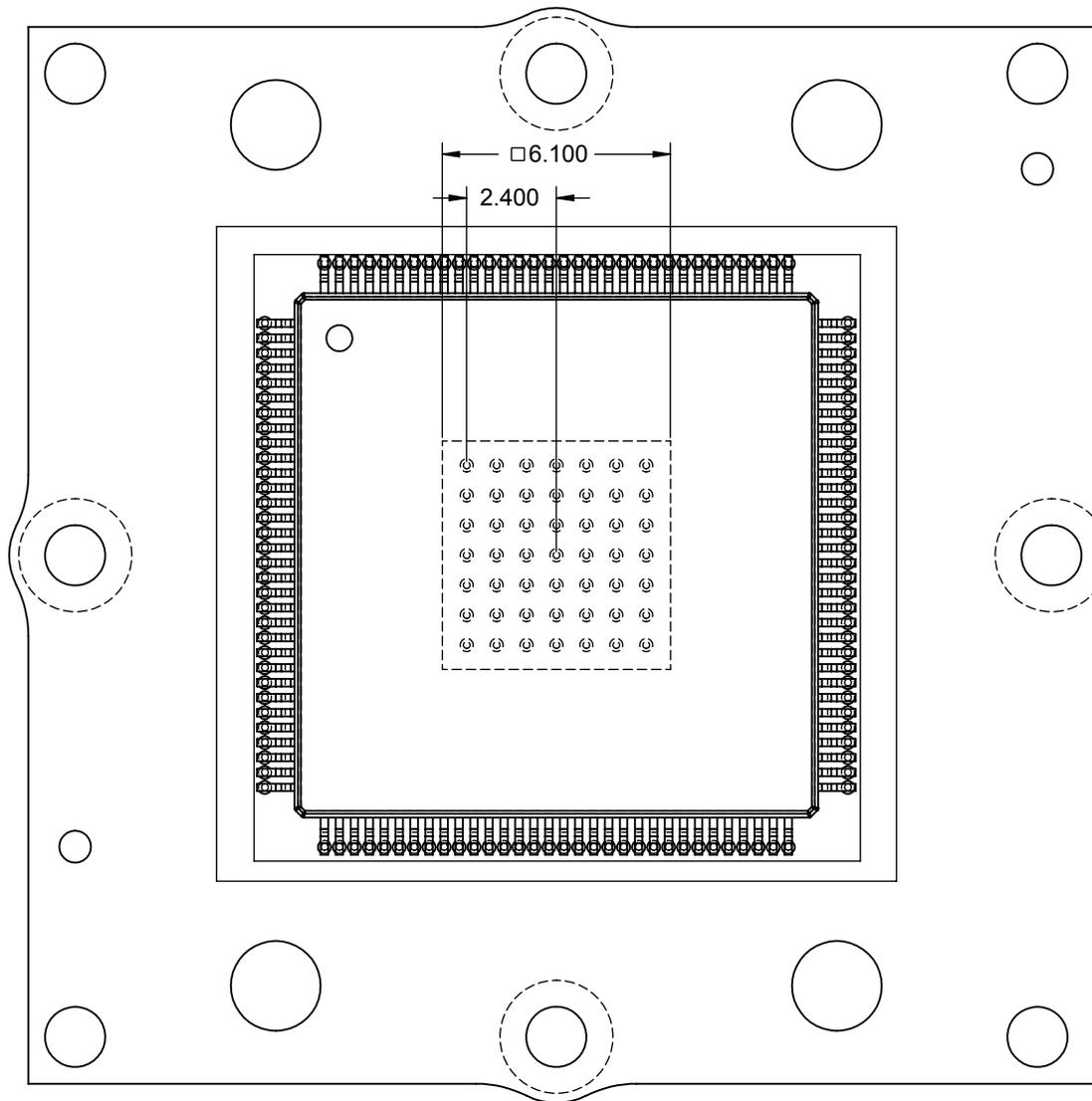


Description: Skt, Insulation Plate, Pin Det

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.

 CBT-QFE-3002 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 134.60	STATUS: Released ENG: J. Vavra FILE: CBT-QFE-3002 Dwg	SHEET: 4 OF 5 DRAWN BY: M. Raske DATE: 1/15/2015	REV. A SCALE: 1:1



Description: CBT-QFE128SD w/ gnd pin array

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.

 CBT-QFE-3002 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 134.60	STATUS: Released ENG: J. Vavra FILE: CBT-QFE-3002 Dwg	SHEET: 5 OF 5 DRAWN BY: M. Raske DATE: 1/15/2015	REV. A SCALE: 5:1