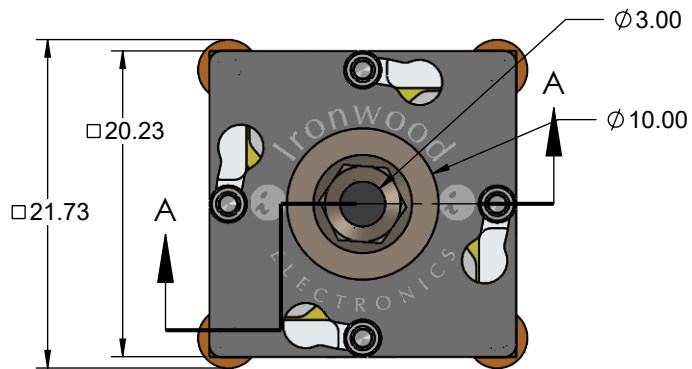


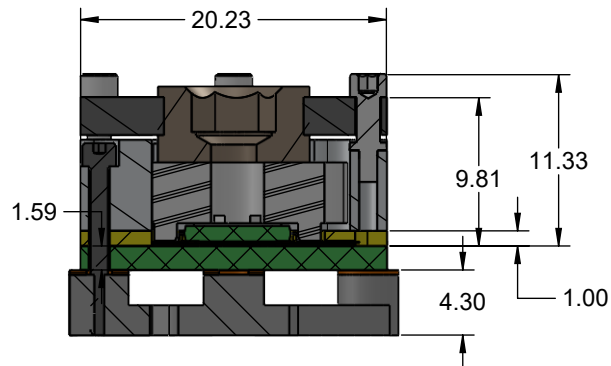
GT-BGA DIRECT MOUNT, SOLDERLESS SOCKET FOR TEST APPLICATIONS

Features

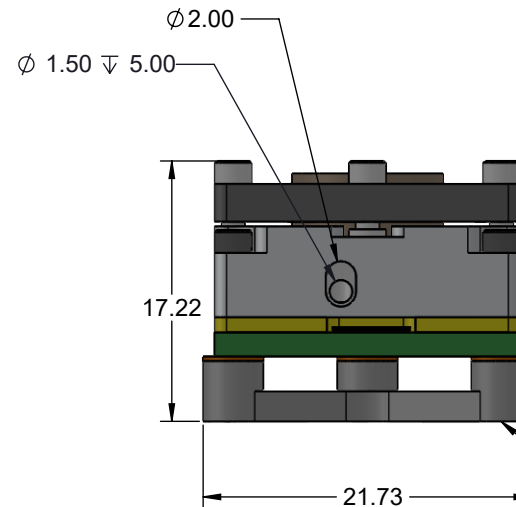
- Wide temperature range (-55C to +160C).
- High current capability (up to 5A).
- Excellent signal integrity at high frequencies.



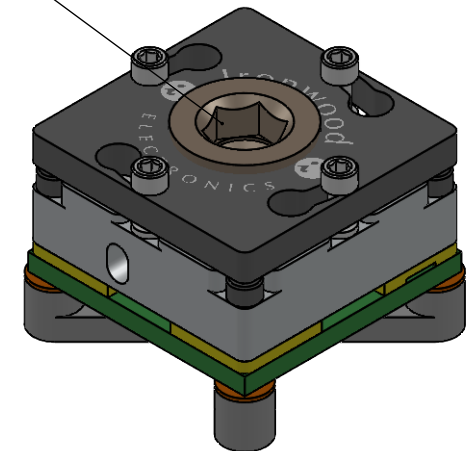
TOP VIEW



SECTION A-A



SIDE VIEW



ISO VIEW

TORQUE MOUNTING SCREWS UNTIL SNUG
APPROXIMATELY 8 OZF-IN

Description: Socket

Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.
Tolerances: Hole diameters $\pm 0.10\text{mm}$ [± 0.004 "], Pitches (from true position) $\pm 0.025\text{mm}$ [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without notice.



GTP-QFE-7004 Drawing

©2026 Ironwood Electronics, Inc. Tele: (800) 404-0204
www.ironwoodelectronics.com

STATUS: Released

ENG: C. Sandell

FILE: GTP-QFE-7004 Dwg

SHEET: 1 OF 6

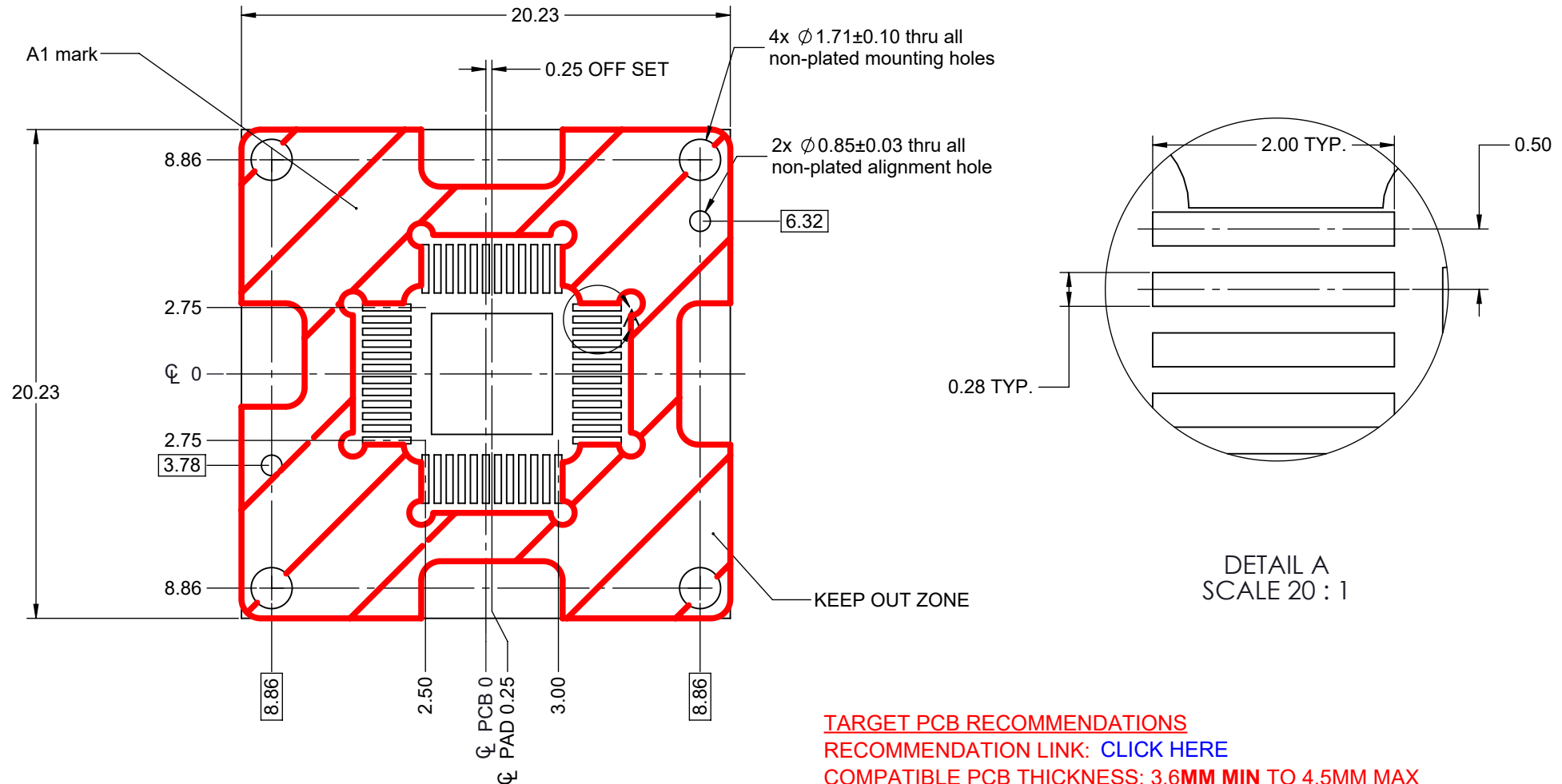
DRAWN BY: G. Coleman

DATE: 7/7/2026

REV. A

SCALE: 2:1

***Note: QFP pattern is not symmetrical with respect to the mounting holes. It is shifted 0.250mm to the right of center.**



TARGET PCB RECOMMENDATIONS

RECOMMENDATION LINK: [CLICK HERE](#)

COMPATIBLE PCB THICKNESS: 3.6MM MIN TO 4.5MM MAX
(OTHER MOUNTING HARDWARE LENGTHS AVAILABLE ON REQUEST)

PLATING: GOLD OR SOLDER FINISH

PAD HEIGHT: SAME OR HIGHER THAN SOLDER MASK

PCB PADS MUST BE FREE OF ANY SPECIAL/PROTECTIVE COATINGS SUCH AS OSP

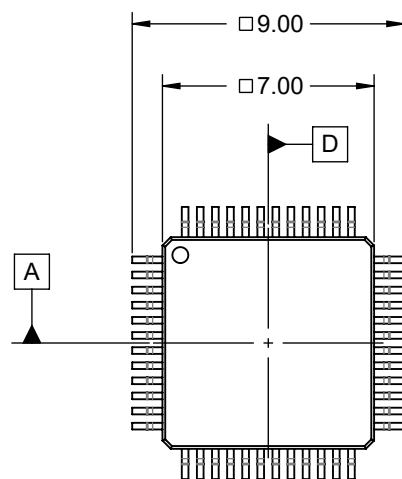
Description: Recommended PCB layout

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

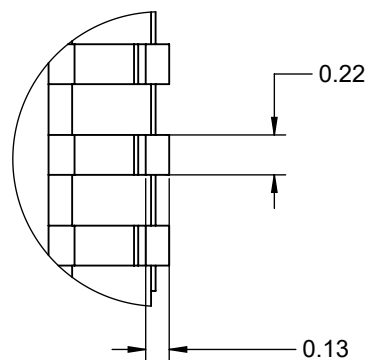
Tolerances: Hole diameters $\pm 0.03\text{mm}$ [$\pm 0.001''$], Pitches (from true position) $\pm 0.025\text{mm}$ [$\pm 0.001''$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [$\pm 0.005''$] unless stated otherwise. Materials and specifications are subject to change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

 GTP-QFE-7004 Drawing	Material: N/A Finish: N/A Weight: 10.52	STATUS: Released	SHEET: 2 OF 6	REV. A
		DRAWN BY: G. Coleman	SCALE: 4:1	
		FILE: GTP-QFE-7004 Dwg	DATE: 7/7/2026	

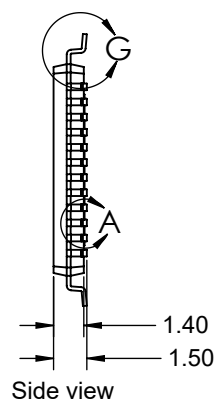
Ironwood Electronics, Inc.
Tele: (800) 404-0204
www.ironwoodelectronics.com



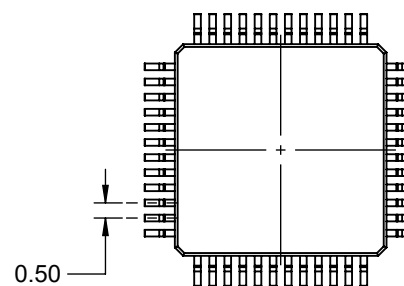
Top view



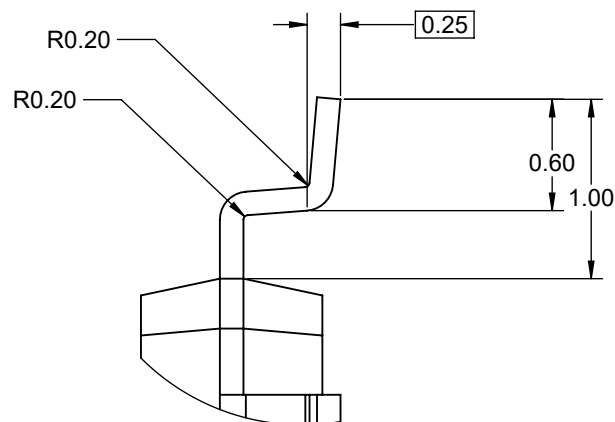
DETAIL A
SCALE 24 : 1



Side view



Bottom view



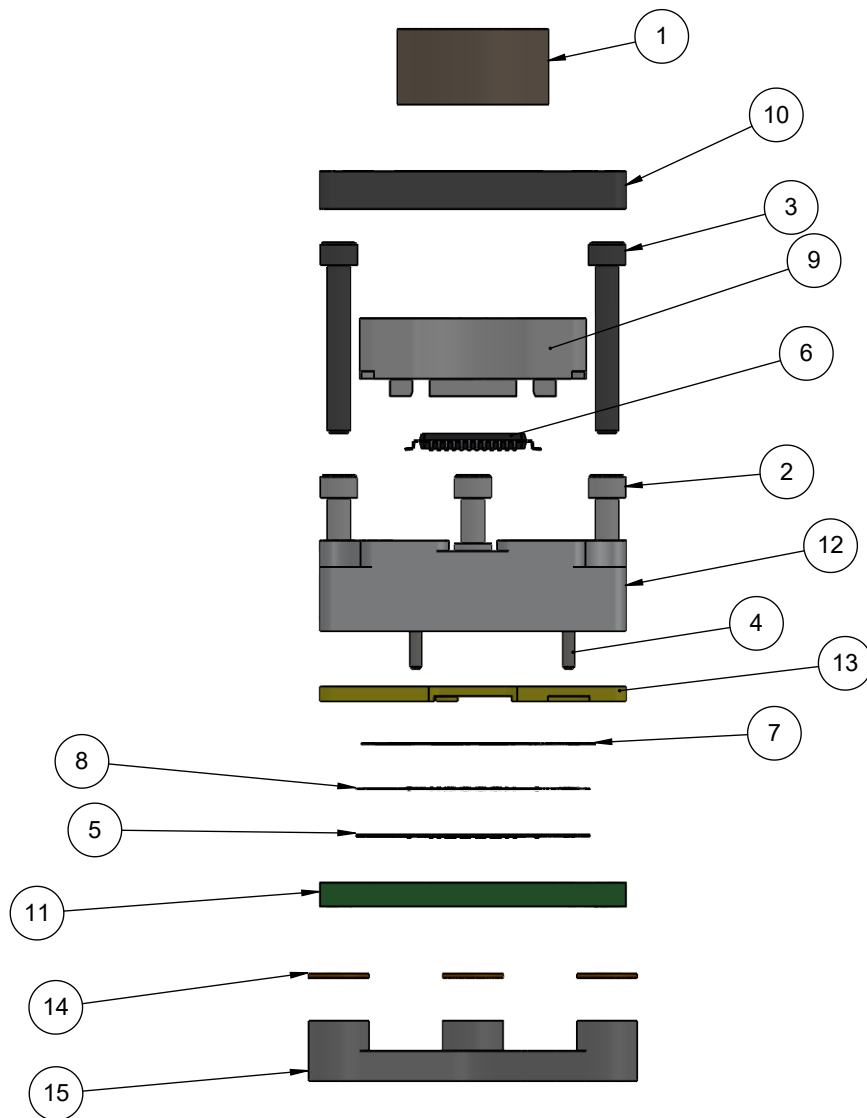
DETAIL G
SCALE 24 : 1

Description: QFP

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.

GTP-QFE-7004 Drawing  Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 10.52	STATUS: Released DRAWN BY: G. Coleman FILE: GTP-QFE-7004 Dwg	SHEET: 3 OF 6 SCALE: 4:1 DATE: 7/7/2026	REV. A
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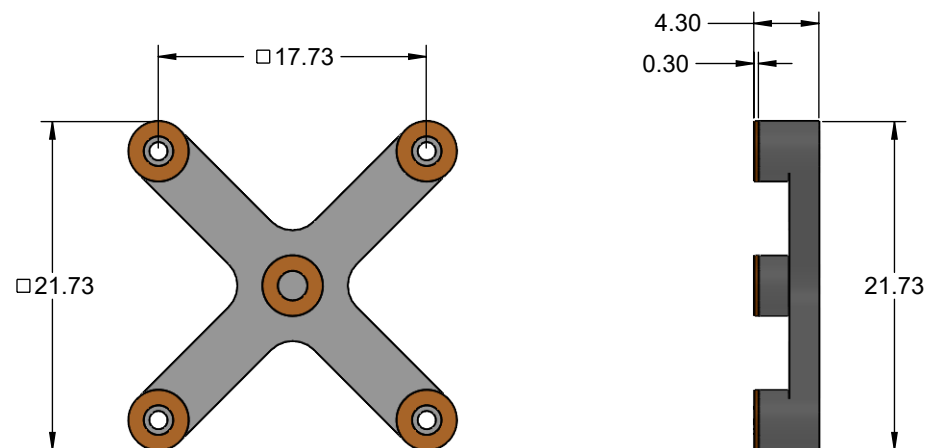
**Washers and nuts are provided.
However, it is strongly
recommended that the socket is
used with the backing plate.**

Description: Skt, Insulation Plate, Pin Det

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

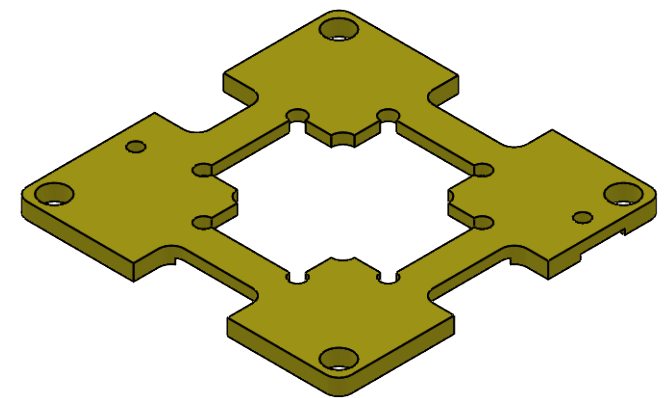
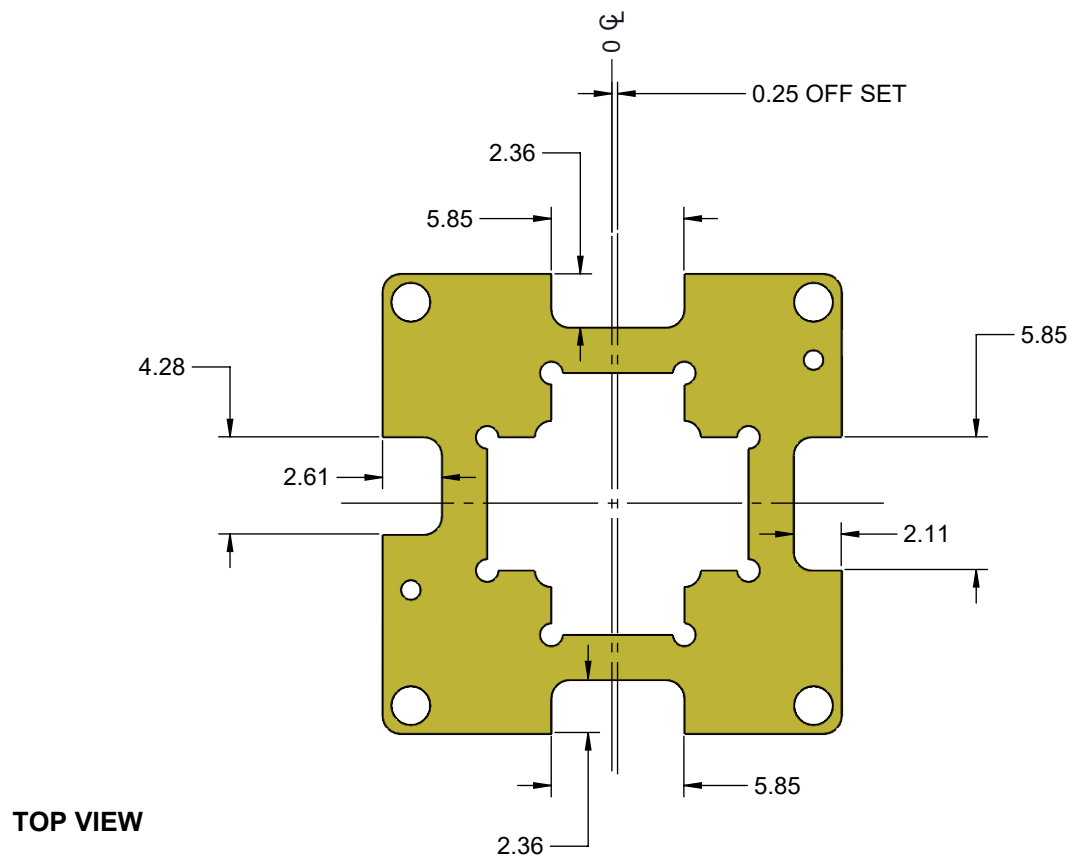
Tolerances: Hole diameters $\pm 0.03\text{mm}$ [± 0.001 "], Pitches (from true position) $\pm 0.025\text{mm}$ [± 0.001 "], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "] unless stated otherwise. Materials and specifications are subject to change without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

ITEM NO.	DESCRIPTION	Material
1	Compression Screw M10	7075-T6 Alumium Alloy
2	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
3	#0-80 X 7/16" LG, SOC HD CAP SCREW ALLOY STEEL	Alloy Steel
4	Dowel Pin, 1/32" x 3/16", SS	Stainless Steel (18-8)
5	GT ELASTOMER QFP48 9x9mm Tip To Tip, 7x7mm Body, Swivel Lid	N/A
6	9x9mm tip to tip, 7x7mm body size 0.5mm pitch QFE48	FR4 High temp
7	Lead Guide QFP48 9x9mm TTT, 7x7mm Body, 0.5mm Pitch	Kapton Polyimide/Cirlex
8	GTP P Layer QFP48 7mm SQ 9mm TTT 0.5mm P	N/A
9	Compression Plate QFE48 For C25186	PEEK Ceramic filled
10	Socket Lid 15mm	7075-T6 Aluminum Alloy
11	Test PCB, QFE48, 9mm tip to tio, 0.5mm pitch 7mm body size	FR4 High temp
12	Socket Base QFP48, 9mm TTT, 7mm Body, Swivel Lid	7075-T6 Alumium Alloy
13	GTP IC Guide QFP48 for C25186	Torlon 4203
14	Insulating washer, 4mm OD.	Kapton Polyimide/Cirlex
15	15x15mm 5 Post Backing Plate	7075-T6 Aluminum Alloy



Backing and insulation plate
scale 2:1

 GTP-QFE-7004 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 10.52	STATUS: Released	SHEET: 4 OF 6	REV. A
		DRAWN BY: G. Coleman	SCALE: 2:1	
		FILE: GTP-QFE-7004 Dwg	DATE: 7/7/2026	

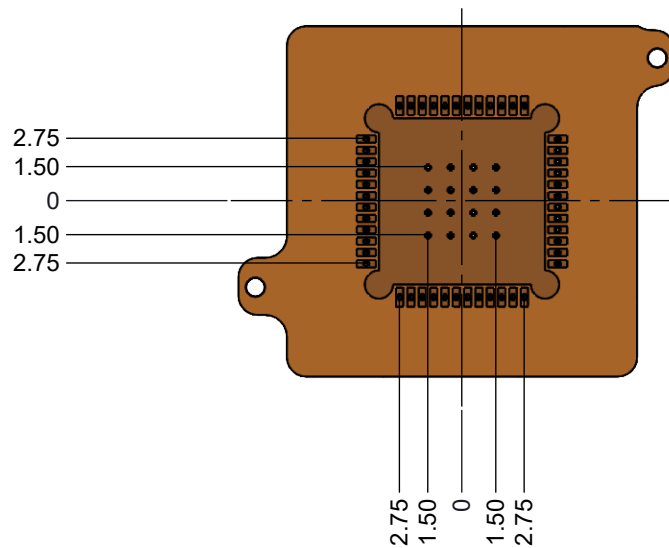


Description: IC Guide

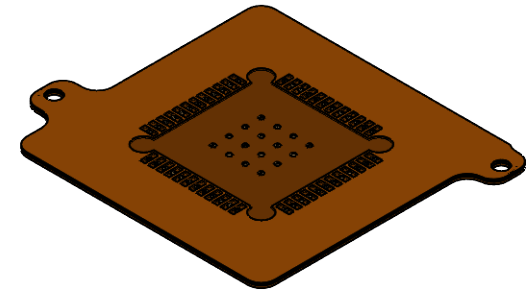
Primary dimension units are millimeters, Secondary dimension units are [inches].

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.

 GTP-QFE-7004 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 10.52	STATUS: Released	SHEET: 5 OF 6	REV. A
		DRAWN BY: G. Coleman	SCALE: 3:1	
		FILE: GTP-QFE-7004 Dwg	DATE: 7/7/2026	



TOP VIEW



ISO VIEW

Description: P-Layer and GT

Primary dimension units are millimeters, Secondary dimension units are [inches].

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.

 GTP-QFE-7004 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 10.52	STATUS: Released	SHEET: 6 OF 6	REV. A
		DRAWN BY: G. Coleman	SCALE: 3:1	
		FILE: GTP-QFE-7004 Dwg	DATE: 7/7/2026	