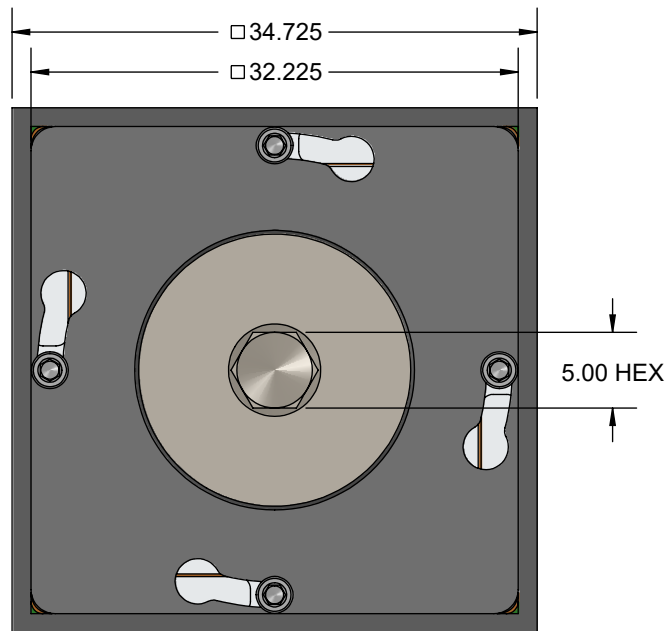


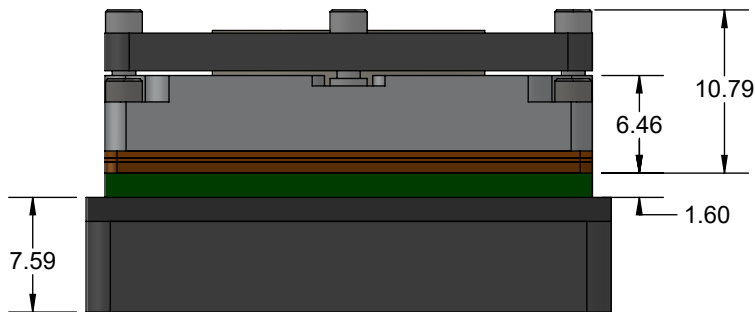
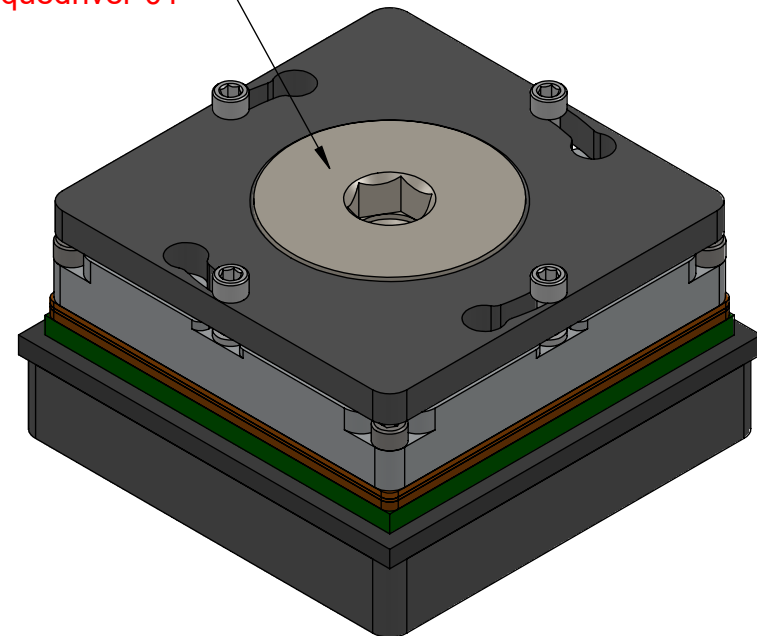
GHz BGA Socket - Direct mount, solderless



Features

- Directly mounts to target PCB (needs tooling holes) with hardware
- High speed, reliable Elastomer connection
- Minimum real estate required
- Compression plate distributes forces evenly
- Ball guide prevents over compression of elastomer
- Easily removable swivel socket lid


Required torque:
1.71 IN-LB, 19.27 N-CM, 27.29 IN-OZ
Recommended tool:
TL-Torquedriver-01



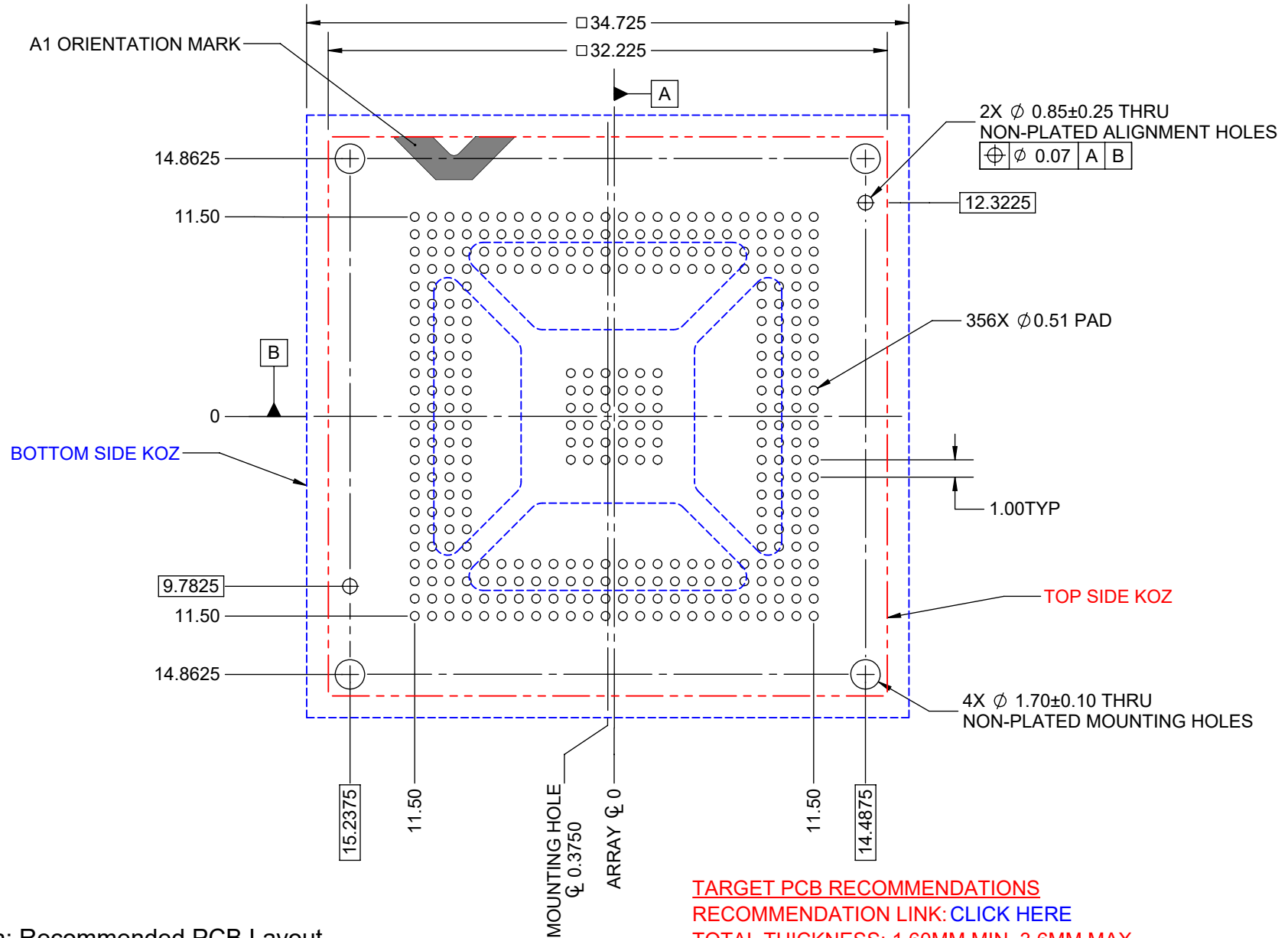
Description: SG-BGA356, 26x26mm, 24x24 Array, 1.00mm Pitch, IC Frame

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.

C19342 Drawing  ©2019 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 44.58	STATUS: Quality Approval Pending ENG: K. Sneller FILE: c19342 dwg	SHEET: 1 OF 5 DRAWN BY: K. Sneller DATE: 10/23/2019	REV. SCALE: 2:1
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**NOTE: MOUNTING HOLES ARE NOT SYMMETRICAL WITH ARRAY.
MOUNTING HOLE CENTERLINE IS SHIFTED 0.375MM TO THE LEFT
OF THE ARRAY CENTERLINE**



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

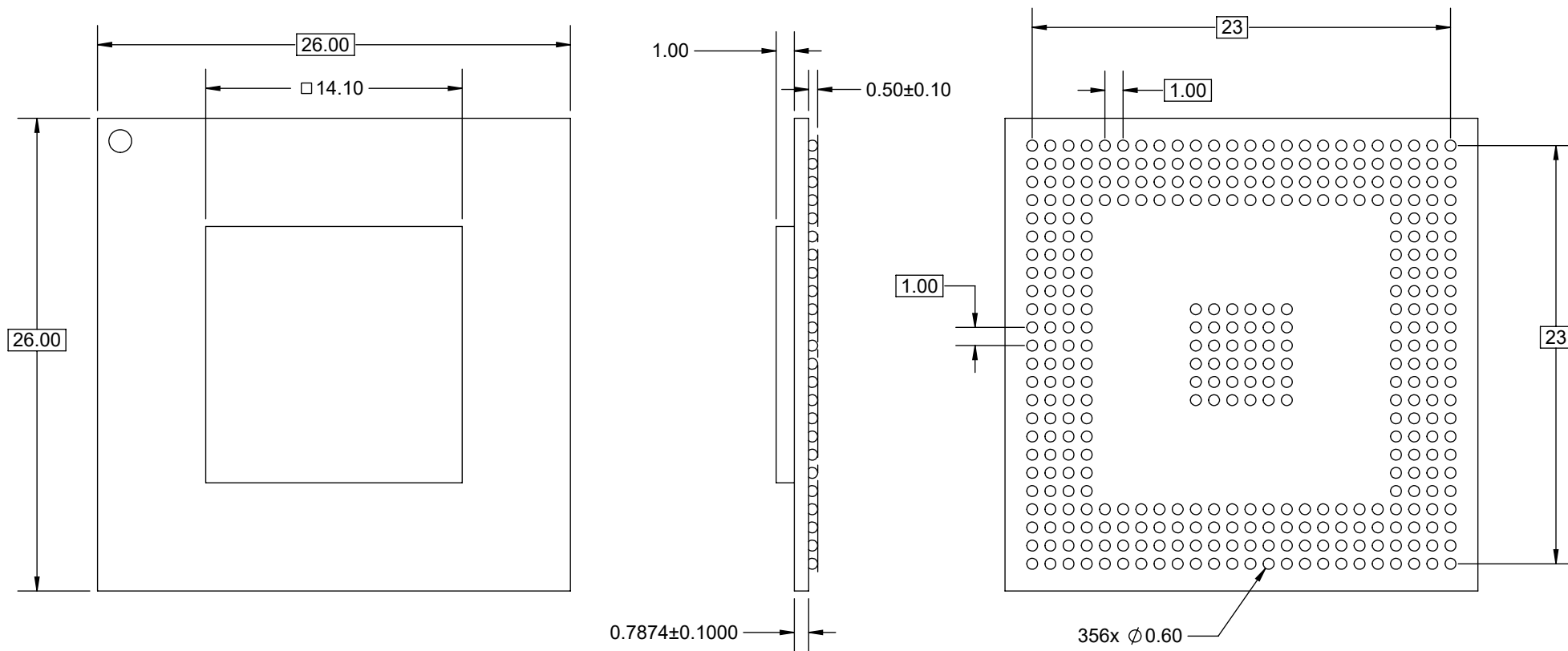
RECOMMENDATION LINK: [CLICK HERE](#)

TOTAL THICKNESS: 1.60MM MIN, 3.6MM MAX

(OTHER MOUNTING HARDWARE LENGTHS AVAILABLE UPON REQUEST)

PLATING: GOLD OR SOLDER FINISH


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		ENG: K. Sneller	DRAWN BY: K. Sneller	SCALE: 3:1
		FILE: c19342.dwg	DATE: 10/23/2019	

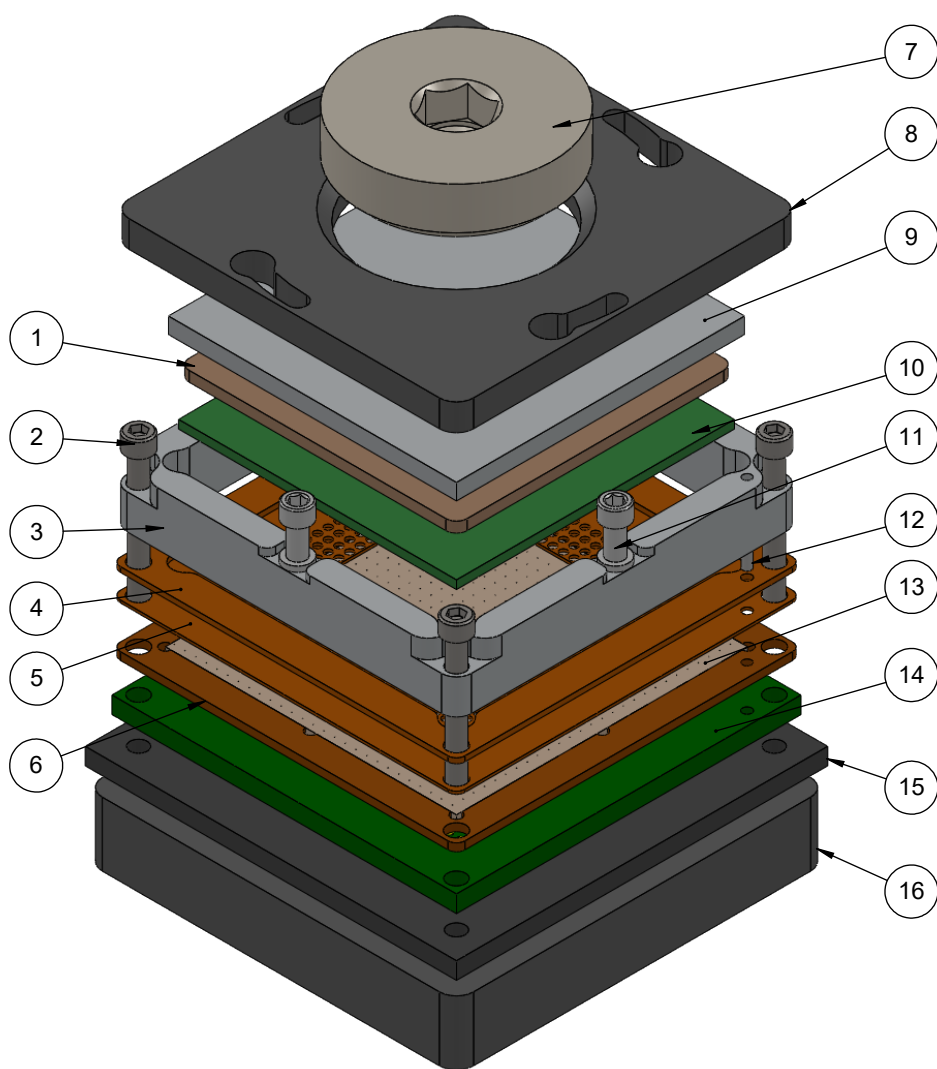


Description: Compatible Device

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.

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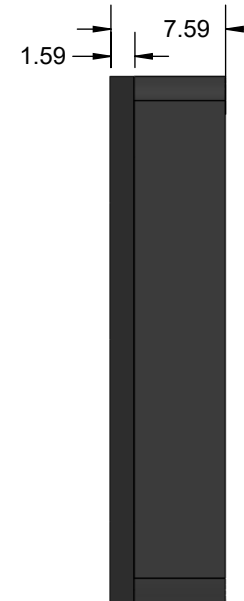
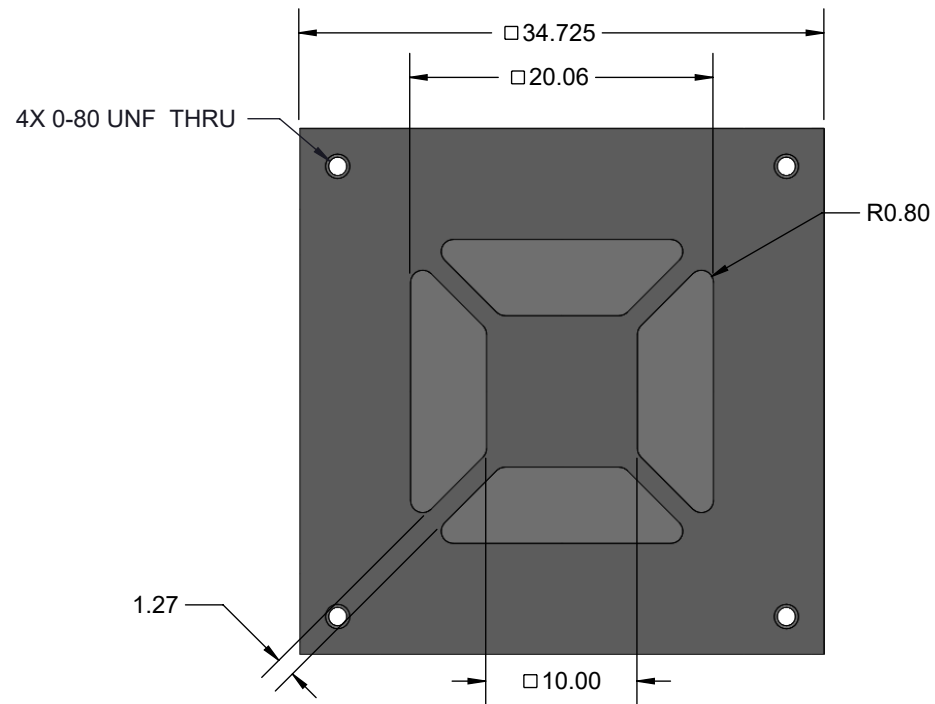
ITEM NO.	DESCRIPTION	MATERIAL
1	IC FRAME, 26X26MM DEVICE, 15.5X15.5mm OPENING	ULTEM 1000
2	#0-80 X 0.5, SH CAP SCREW	ALLOY STEEL
3	SOCKET BASE, 32.225 X 32.225	7075-T6 ALUMINUM ALLOY
4	IC GUIDE, 26X26MM 24X24 ARRAY, 1.0mm PITCH	KAPTON POLYIMIDE
5	BALL GUIDE 24X24 ARRAY, 1.0mm PITCH	KAPTON POLYIMIDE
6	ELASTOMER GUIDE 27mm IC	KAPTON POLYIMIDE/CIRLEX/ULTEM
7	COMPRESSION SCREW, M18	7075-T6 ALUMINUM ALLOY
8	SOCKET LID, 32.225 X 32.225	7075-T6 ALUMINUM ALLOY
9	COMPRESSION PLATE 26.95 X 1.5mm	7075-T6 ALUMINUM ALLOY
10	TEST CHIP, 26X26MM, 24X24 ARRAY, 1.00mm PITCH	MATERIAL <NOT SPECIFIED>
11	#0-80 SHOULDER SCREW, 2.29mm THREAD LENGTH	STAINLESS STEEL (303)
12	DOWEL PIN, 1/32" X 3/16", SS	CHROME STAINLESS STEEL
13	0.75mm thick 0.1mm pitch 63 deg angled elastomer - 27.225mm square	SILICON RUBBER
14	TEST PCB BGA 26X26MM, 24X24, 1.0mm PITCH	FR4
15	INSULATION PLATE 27mm IC	HIGH TEMP SUBSTRATE
16	BACKING PLATE, 34.725 X 34.725	7075-T6 ALUMINUM ALLOY

Description: Socket Detail

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.


	C19342 Drawing ©2019 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 44.58	STATUS: Quality Approval Pending	SHEET: 4 OF 5	REV.
			ENG: K. Sneller	DRAWN BY: K. Sneller	SCALE: 2:1
			FILE: c19342 dwg	DATE: 10/23/2019	



Description: Backing Plate Detail

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.

 C19342 Drawing ©2019 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 44.58	STATUS: Quality Approval Pending	SHEET: 5 OF 5	REV.
		ENG: K. Sneller	DRAWN BY: K. Sneller	SCALE: 2:1
		FILE: c19342 dwg	DATE: 10/23/2019	