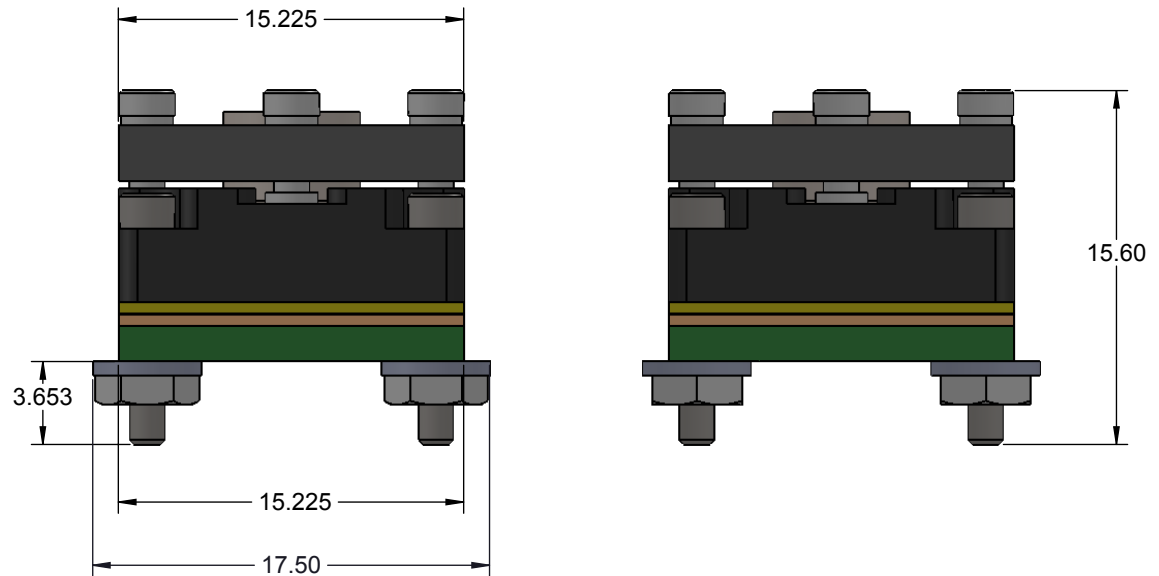
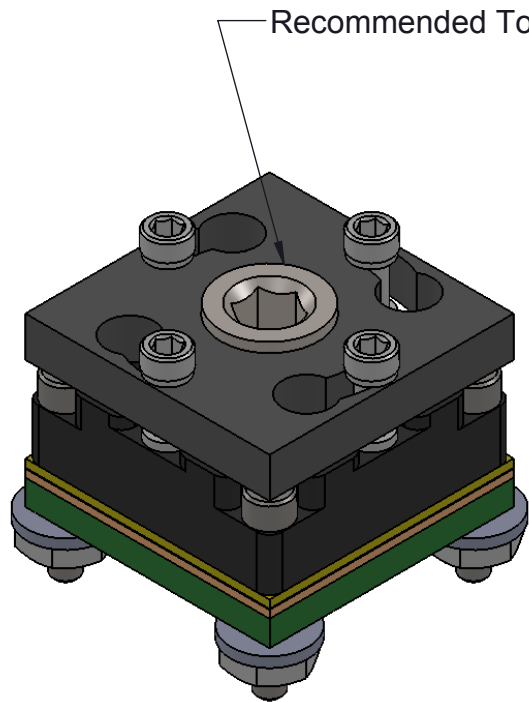


SG-SOIC DIRECT MOUNT, SOLDERLESS SOCKET FOR BURN-IN AND TEST APPLICATIONS

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



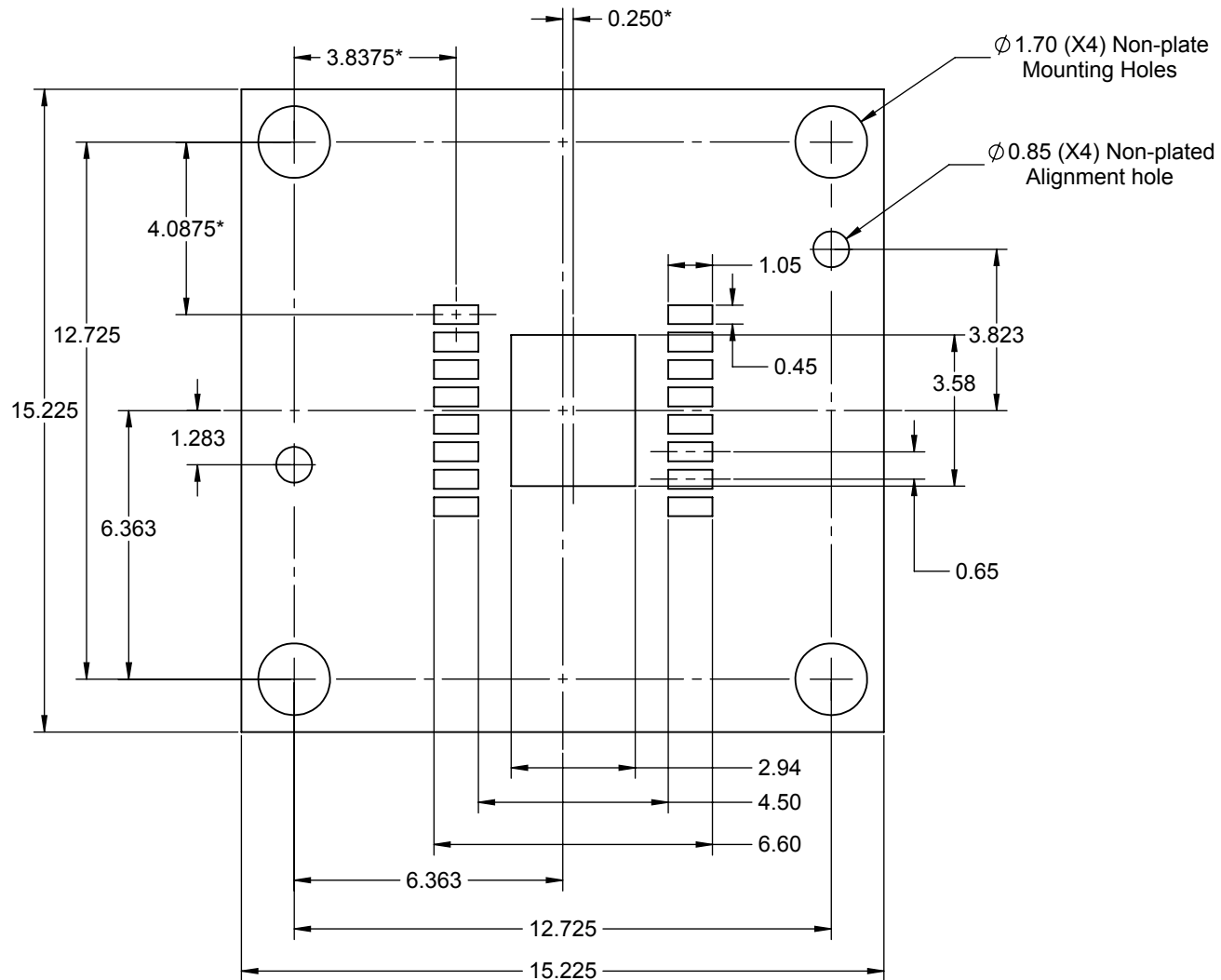
Description: SG-SOIC socket for SO16D package

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.

 SG-SOIC-3003 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.00	STATUS: Released	SHEET: 1 OF 4	REV. B
		ENG: S. Faiz	DRAWN BY: S. Faiz	SCALE: 3:1
		FILE: SG-SOIC-3003 Dwg	DATE: 11/30/2012	

*** Note - SOIC land pattern is shifter 0.25mm right of center with respect to the mounting hole pattern.**




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

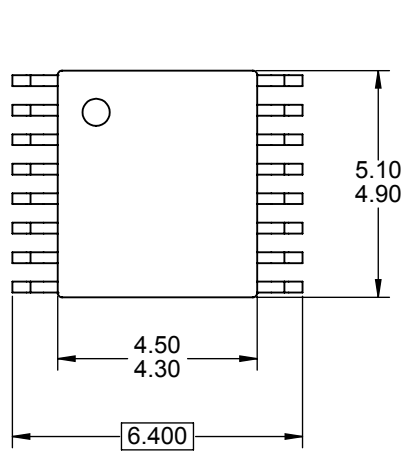
Description: Recommended PCB layout

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

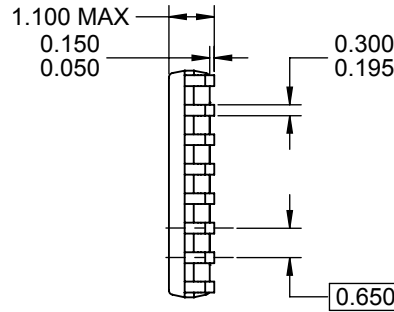
Tolerances: Hole diameters $\pm 0.0254\text{mm}$ [$\pm 0.001"$], Pitches (from true position) $\pm 0.0762\text{mm}$ [$\pm 0.003"$], substrate thickness tolerance $\pm 10\%$, all other tolerances $\pm 0.127\text{mm}$ [$\pm 0.005"$] unless stated otherwise. Materials and specifications are subject to change without notice.

 SG-SOIC-3003 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.00	STATUS: Released	SHEET: 2 OF 4	REV. B
		ENG: S. Faiz	DRAWN BY: S. Faiz	SCALE: 6:1
		FILE: SG-SOIC-3003 Dwg	DATE: 11/30/2012	

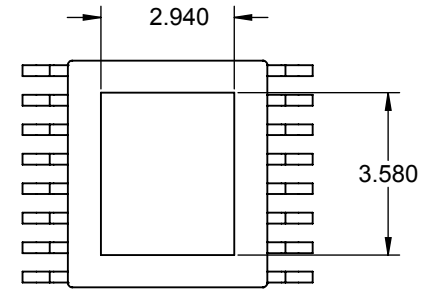
16 Lead Plastic TSSOP with Exposed Pad



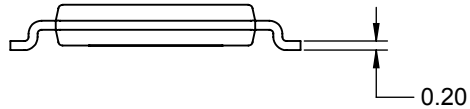
TOP VIEW



SIDE VIEW



BOTTOM VIEW




FRONT VIEW

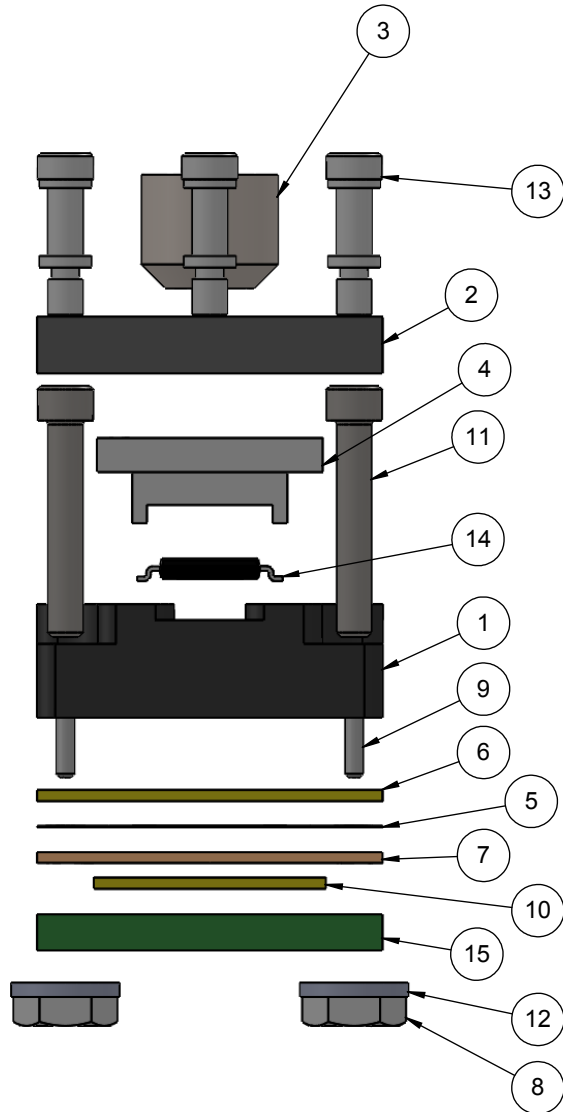
Ironwood Package Code: SO16D

Description: Compatible IC

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.

 SG-SOIC-3003 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.00	STATUS: Released	SHEET: 3 OF 4	REV. B
		ENG: S. Faiz	DRAWN BY: S. Faiz	SCALE: 6:1
		FILE: SG-SOIC-3003 Dwg	DATE: 11/30/2012	




ITEM NO.	DESCRIPTION	Material
1	Socket Base	7075-T6 Aluminum Alloy
2	Socket Lid	7075-T6 Aluminum Alloy
3	Compression Screw M6x1	Stainless Steel (18-8)
4	Compression Plate	PEEK Ceramic filled
5	Lead Guide	Kapton Polyimide/Cirlex
6	IC Guide	Torlon 4203
7	Elastomer Guide 10x10mm	Ultem
8	Nut, #0-80, SS	Stainless Steel (18-8)
9	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel
10	0.5mm thick, 0.05x 0.05mm pitch, 10mm sqr, Z-axis conductive angled elastomer	20 Micron dia gold plated brass filaments arranged symetrically in a silicon rubber (63.5 degree angle), Thickness: 0.5mm
11	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
12	Washer, #0 x .025", Nylon	Nylon 6/6
13	#0-80 Shoulder Screw, 0.062" thread length	Stainless Steel (303)
14	16-Pin PLASTIC SMALL-OUTLINE PACKAGE 6.4 X 5.0 mm Nominal Footprint	Material <not specified>
15	Test PCB	FR4 Standard

Description: Socket 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.

Rev	Date	Initials	Description
A	11/30/12	SF	Original
B	02/19/15	DH	Changed IC Guide material from Ultem to Torlon

 SG-SOIC-3003 Drawing ©2015 Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.00	STATUS: Released ENG: S. Faiz FILE: SG-SOIC-3003 Dwg	SHEET: 4 OF 4 DRAWN BY: S. Faiz DATE: 11/30/2012	REV. B SCALE: 3:1