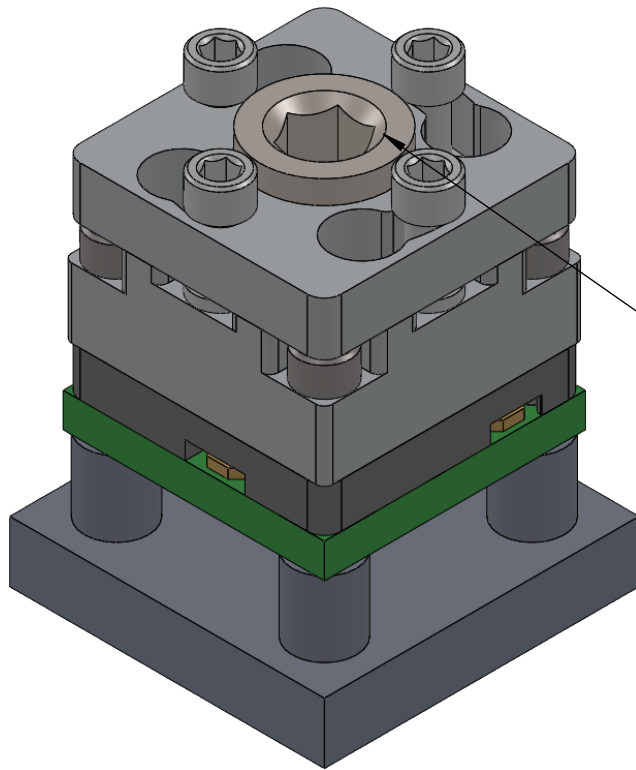


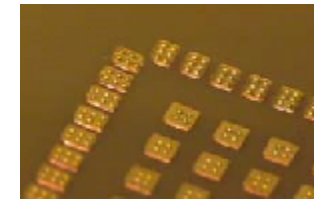
SMP-QFN DIRECT MOUNT, SOLDERLESS SOCKET FOR TEST APPLICATIONS

Features

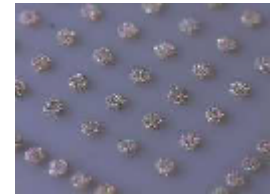
- Directly mounts to target PCB (needs tooling holes) with hardware.
- Wide temperature range (-55C to +150C).
- Current capability is 4A per pin at 14C temperature rise.
- Over 40GHz bandwidth @-1dB for edge pins
- Low and stable contact resistance for reliable production yield.
- Self inductance under 0.21nH.
- Easily removable swivel socket lid



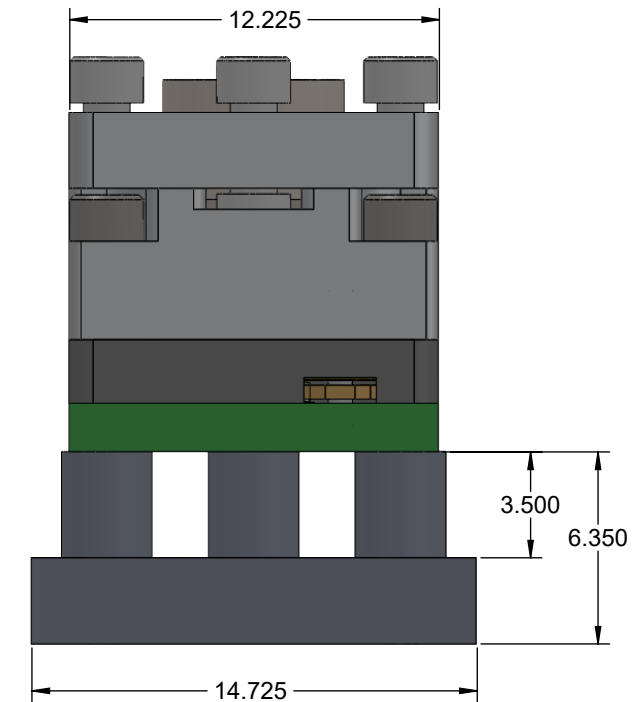
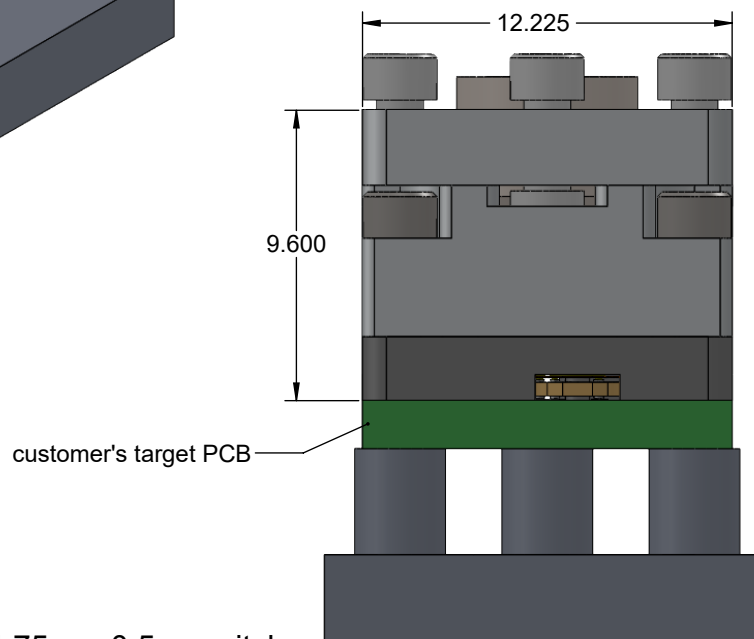
Recommended torque
= 5.7 N-cm [0.5 lbf-in]



Silver ball matrix protective layer




Silver ball matrix elastomer

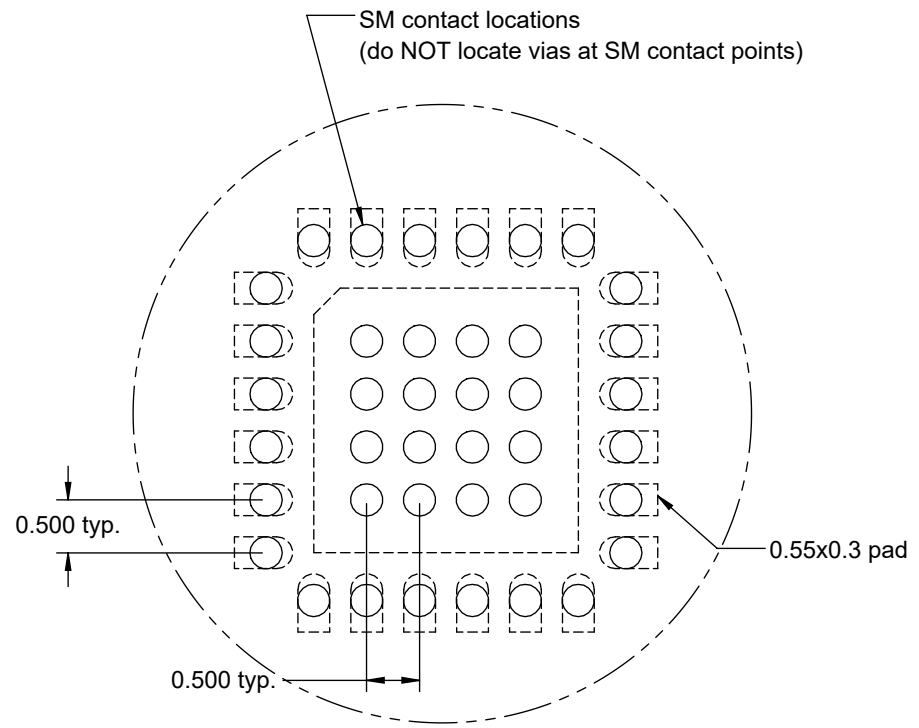
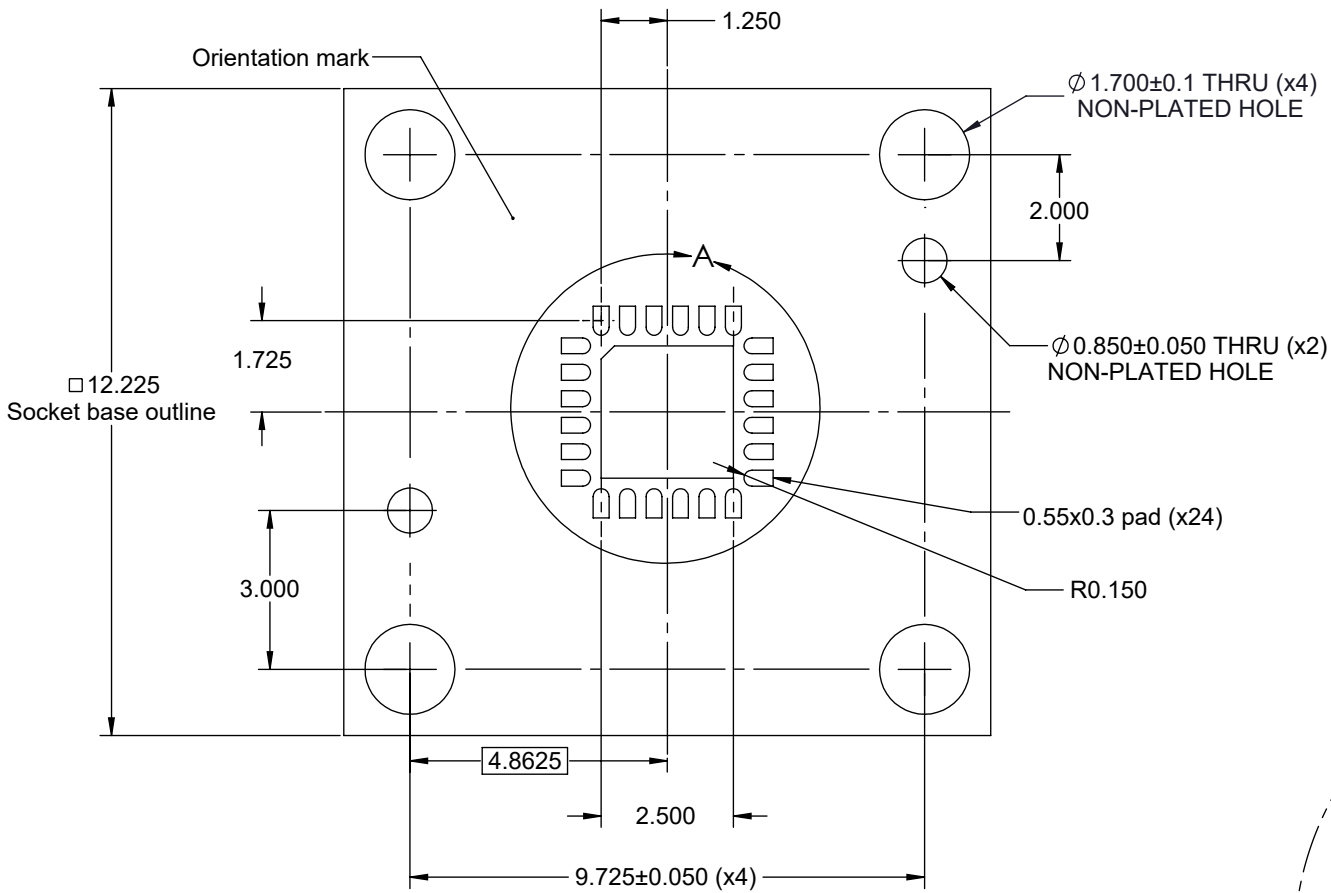


Description: SMP-QFN24 4.75x4.75mm 0.5mm pitch

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

Tolerances: Hole diameters $\pm 0.03\text{mm}$ [± 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.

 SMP-QFN-8016 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.57	STATUS: Released ENG: S. Huang FILE: SMP-QFN-8016 Dwg	SHEET: 1 OF 5 DRAWN BY: M. Raske DATE: 6/30/2016	REV. A SCALE: 4:1




DETAIL A
Scale: 14:1

Target PCB Recommendations

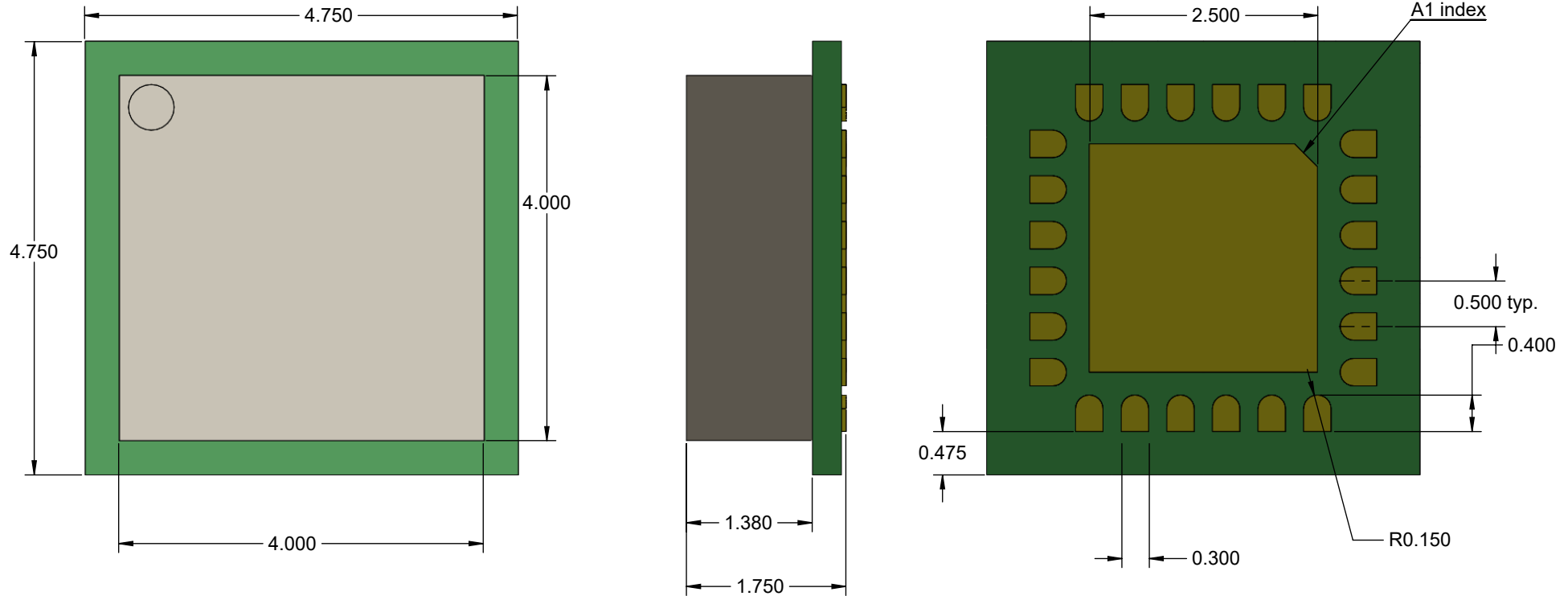
- Total thickness: 1.6mm min.
- Plating: Gold or Solder finish
- PCB Pad height: same or higher than solder mask.

Description: SMP-QFN24 4.75x4.75mm 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.

 SMP-QFN-8016 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.57	STATUS: Released ENG: S. Huang FILE: SMP-QFN-8016 Dwg	SHEET: 2 OF 5 DRAWN BY: M. Raske DATE: 6/30/2016	REV. A SCALE: 7:1

IRONWOOD PACKAGE CODE: QFN24J




Package Tolerance: $\pm 0.1\text{mm}$

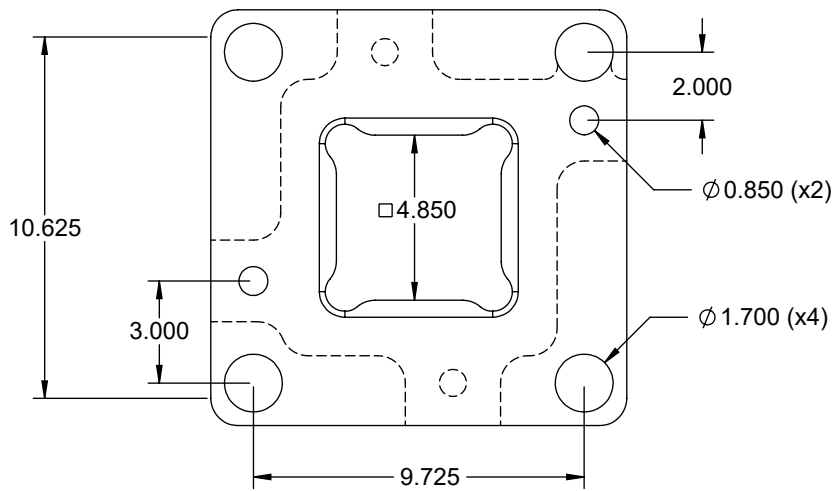
Pad Tolerance: $\pm 0.05\text{mm}$

Description: SMP-QFN24 4.75x4.75mm 0.5mm pitch

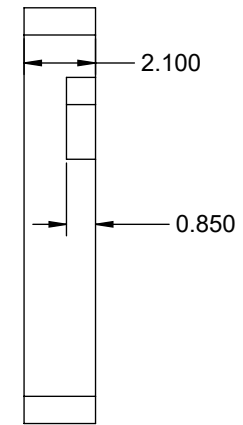
Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams.

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.

 <p>SMP-QFN-8016 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com</p>	<p>Material: N/A Finish: N/A Weight: 6.57</p>	<p>STATUS: Released ENG: S. Huang FILE: SMP-QFN-8016 Dwg</p>	<p>SHEET: 3 OF 5 DRAWN BY: M. Raske DATE: 6/30/2016</p>	<p>REV. A SCALE: 15:1</p>

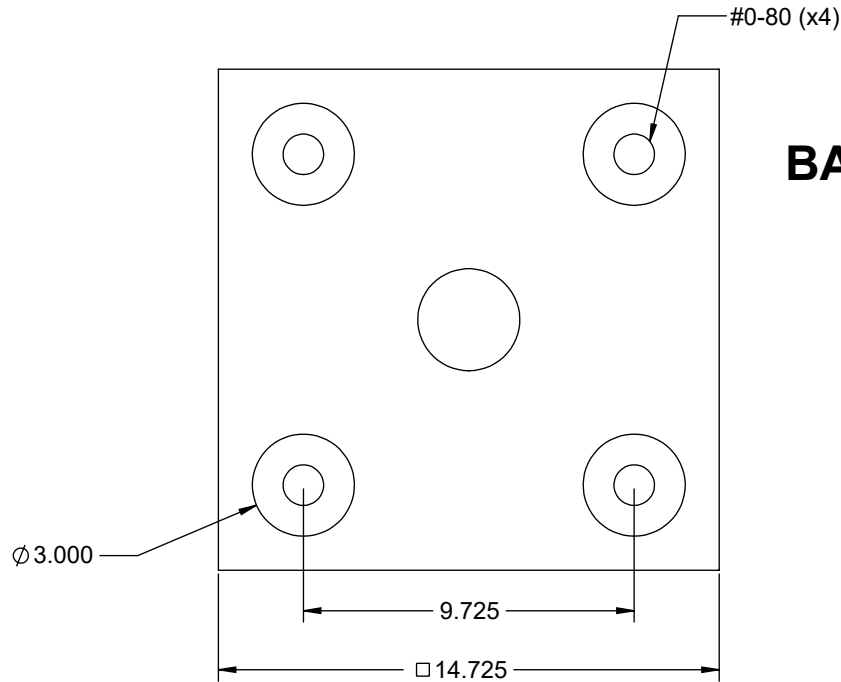


IC GUIDE

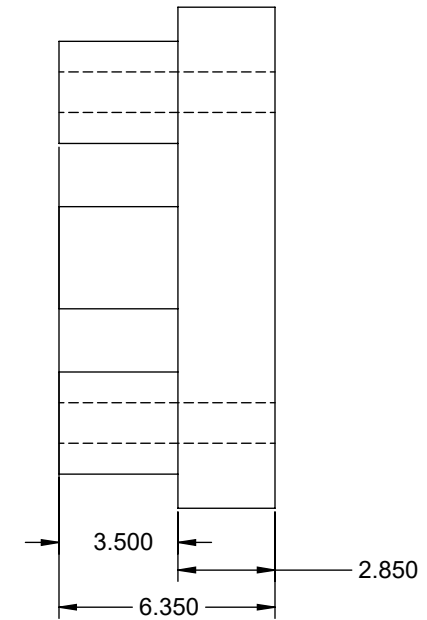


TOP VIEW

SIDE VIEW




BACKING PLATE

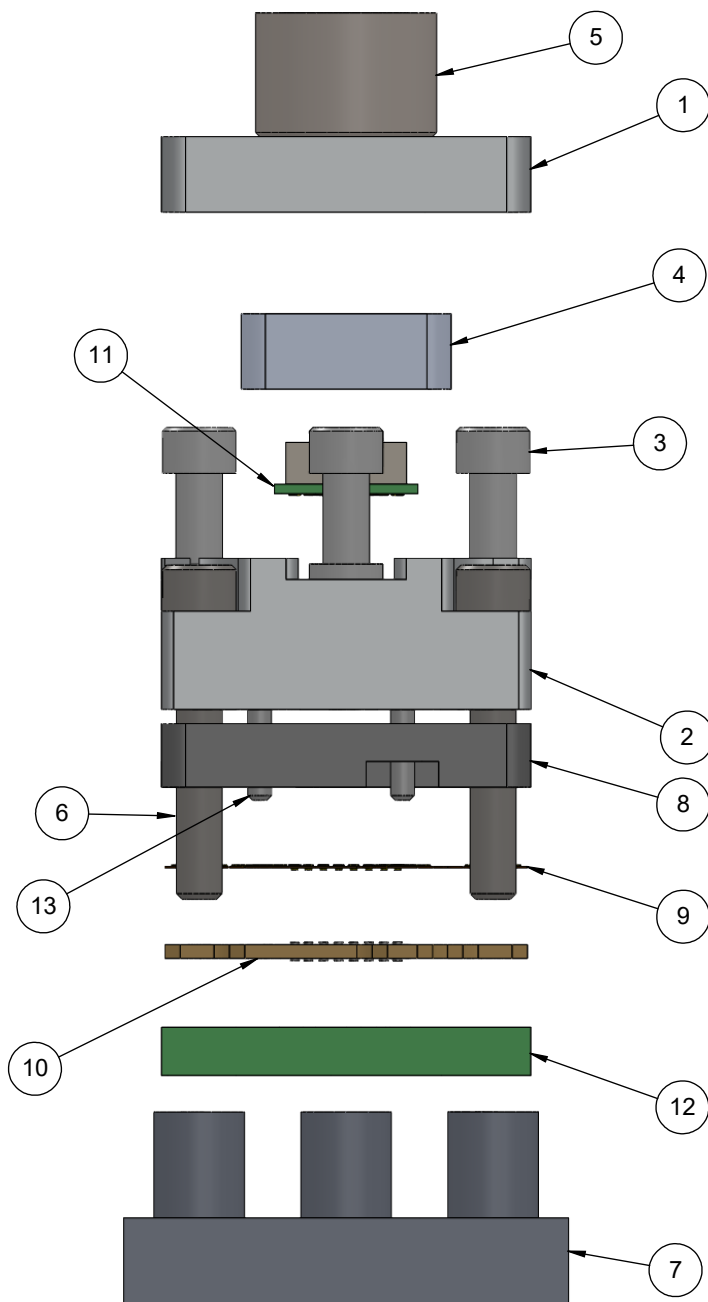


Description: Comp det

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.

 SMP-QFN-8016 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.57	STATUS: Released	SHEET: 4 OF 5	REV. A
		ENG: S. Huang	DRAWN BY: M. Raske	SCALE: 4.5:1
		FILE: SMP-QFN-8016 Dwg	DATE: 6/30/2016	




ITEM NO.	DESCRIPTION	Material
1	Socket Lid 7mm	7075-T6 Aluminum Alloy
2	Socket Base	7075-T6 Aluminum Alloy
3	#0-80 Shoulder Screw, 1.59mm thread length	Stainless Steel (303)
4	Compression Plate 7x7mm	7075-T6 Aluminum Alloy
5	Compression Screw M6x1	Stainless Steel (18-8)
6	#0-80 X .375 LG, SOC HD CAP SCREW, ALLOY STL, BLK OXIDE	Alloy Steel
7	Backing Plate, 5 post 7mm	7075-T6 Aluminum Alloy
8	SM IC guide 4.75x4.75mm QFN24 0.5mm pitch	High temp Substrate
9	SMP Protective layer for 4.75x4.75mm 0.5mm QFN24	SMP
10	SM Interposer QFN24 4.75x4.75mm 0.5mm pitch	SM elastomer
11	Test Chip QFN24 4.75x4.75mm	FR4 High temp
12	Test PCB QFN24 0.5mm pitch 4.75x4.75mm	FR4 High temp
13	Dowel Pin, 1/32" x 3/16", SS	Chrome Stainless Steel

Description: SMP-QFN24 4.75x4.75mm 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.

 SMP-QFN-8016 Drawing Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	Material: N/A Finish: N/A Weight: 6.57	STATUS: Released	SHEET: 5 OF 5	REV. A
		ENG: S. Huang	DRAWN BY: M. Raske	SCALE: 4:1
		FILE: SMP-QFN-8016 Dwg	DATE: 6/30/2016	