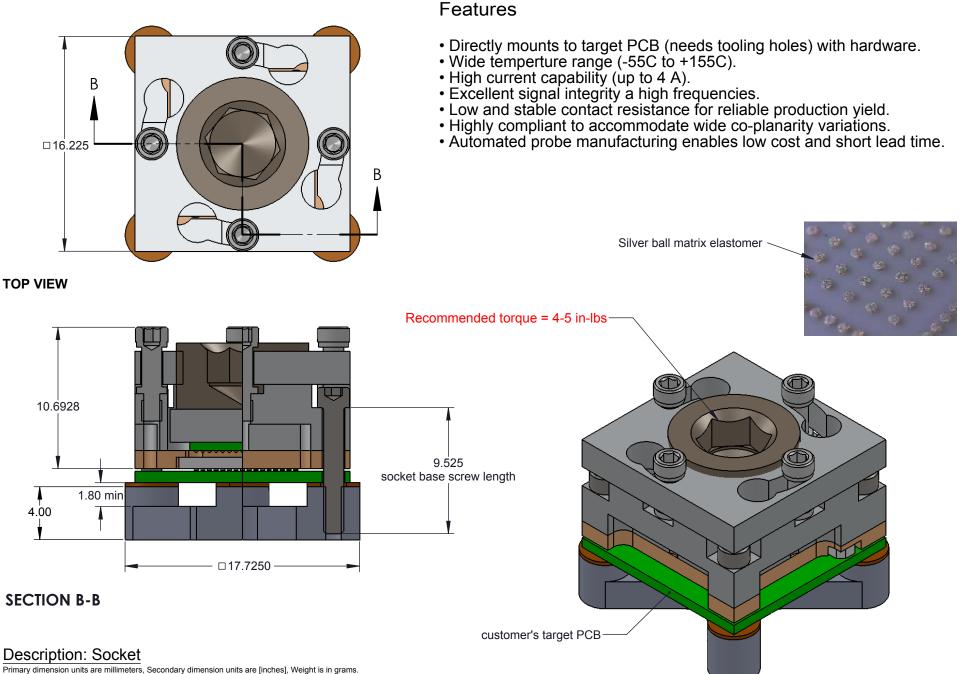
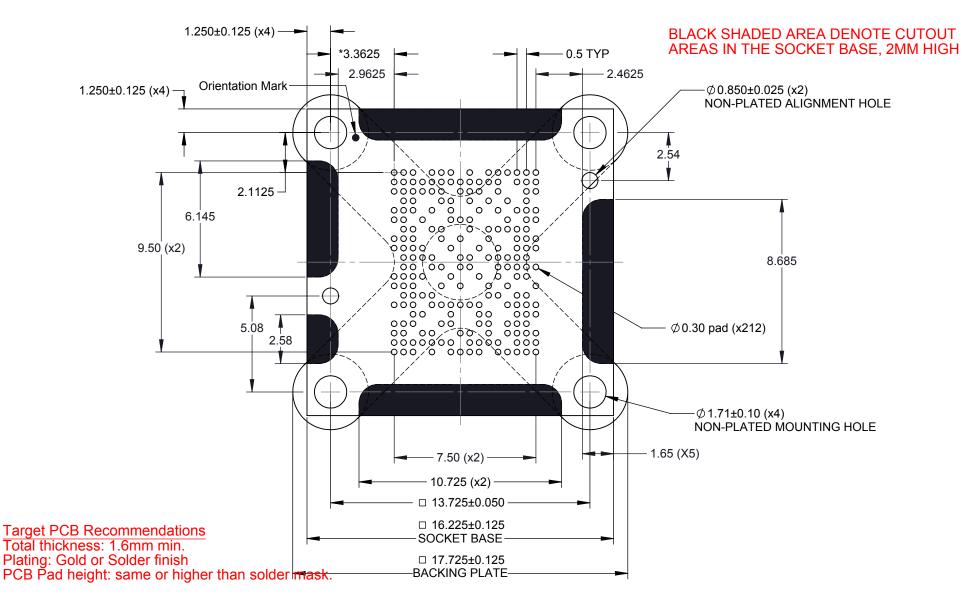
## **SM BGA SOCKET - direct mount, solderless**



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.

SM-BGA-9016 Drawing	Material: N/A Finish: N/A Weight: 7.16	STATUS: Released	SHEET: 1 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S. Huang	SCALE: 3.5:1	
		FILE: SM-BGA-9016	DATE: 8/2/2012	

# \*Note: BGA pattern is shifted by .25 to right with respect to the mounting holes.



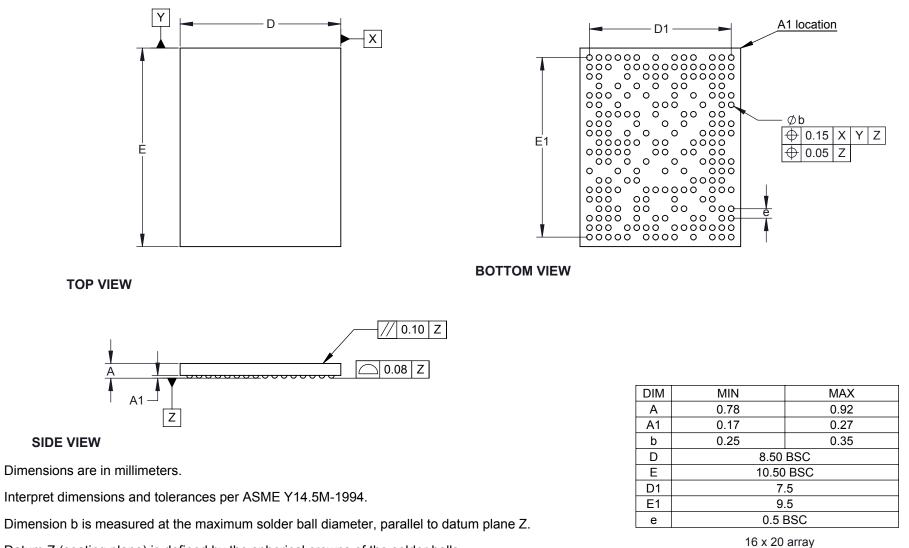
#### Description: Recommended PCB layout

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.

SM-BGA-9016 Drawing	Finish: N/A Weight: 7.16	STATUS: Released	SHEET: 2 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S. Huang	SCALE: 5:1	
		FILE: SM-BGA-9016	DATE: 8/2/2012	

### Ironwood Package Code: BGA212A



4. Datum Z (seating plane) is defined by the spherical crowns of the solder balls.

5. Parallelism measurement shall exclude any effect of mark on top surface of package.

#### **Description: BGA**

1.

2.

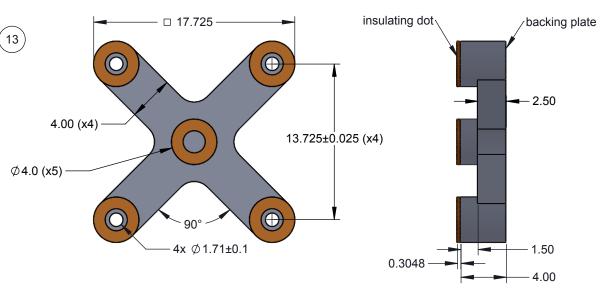
3.

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.

SM-BGA-9016 Drawing	STATUS: Released	SHEET: 3 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com	DRAWN BY: S. Huang	SCALE: 5:1	
	FILE: SM-BGA-9016	DATE: 8/2/2012	







Primary dimension units are millimeters, Secondary dimension units are [inches], Weight is in grams. <u>Tolerances:</u> 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.

SM-BGA-9016 Drawing	Material: N/A Finish: N/A Weight: 7.16	STATUS: Released	SHEET: 4 OF 4	REV. A
Ironwood Electronics, Inc. Tele: (800) 404-0204 www.ironwoodelectronics.com		DRAWN BY: S. Huang	SCALE: 3:1	
		FILE: SM-BGA-9016	DATE: 8/2/2012	