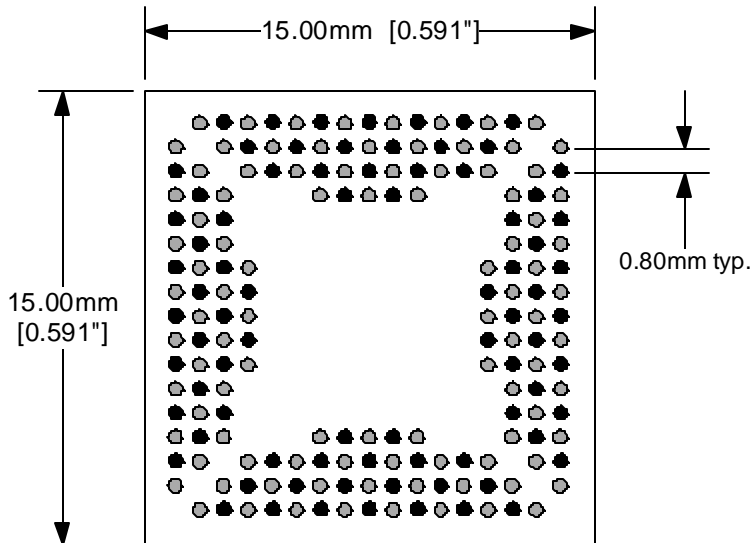
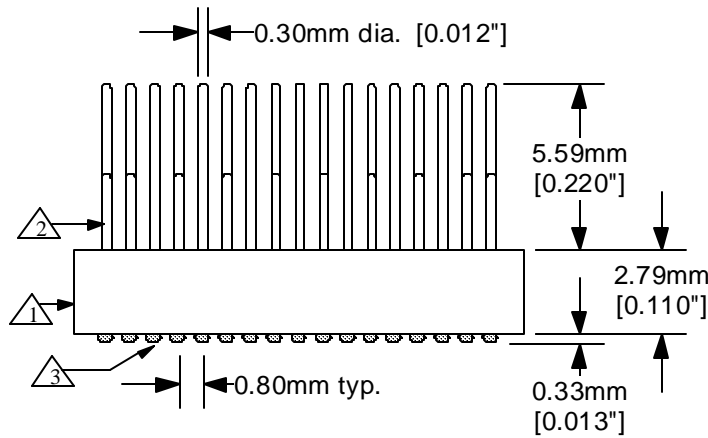


KEY	
●	Long Pin
◻	Short Pin



Top View




Side View

- ① Substrate: 1.59mm  $\pm$ 0.18mm [0.0625"  $\pm$ 0.007"] FR4/G10 or equivalent high temp material. 17 $\mu$ m [1/2 oz.] Cu clad. SnPb plating.
- ② Pins: material- Brass Alloy 360 1/2 hard; finish- 0.25 $\mu$ m [10 $\mu$ ] Au over 1.27 $\mu$ m [50 $\mu$ ] Ni (min.).
- ③ Solder Balls: SN63 PB37.

Description: BGA SMT foot

176 position surface mount balls (0.8mm centers, 17x17 array) to male terminal pins. Compatible with female-to-female socket.

Tolerances: diameters  $\pm$ 0.03mm [ $\pm$ 0.001"], PCB perimeters  $\pm$ 0.13mm [ $\pm$ 0.005"], PCB thicknesses  $\pm$ 0.18mm [ $\pm$ 0.007"], pitches (from true position)  $\pm$ 0.08mm [ $\pm$ 0.003"], all other tolerances  $\pm$ 0.13mm [ $\pm$ 0.005"] unless stated otherwise. Materials and specifications are subject to change without notice.

	<b>SF-BGA176B-B-11 Drawing</b>		Status: Released	Scale 4:1	Rev: A
	© 2003 IRONWOOD ELECTRONICS, INC. PO BOX 21151 ST. PAUL, MN 55121 Tele: (651) 452-8100 www.ironwoodelectronics.com		Drawing: H. Hansen		Date: 5/26/04
			File: SF-BGA176B-B-11 Dwg	Modified:	