

## CONTACT DATA

Accepts 0.20mm - 0.33mm Diameter pins

3-fings

37 gram, Initial insertion force (with 0.254mm dia. pin)

30 gram, normal force (with 0.254mm dia. pin)

20 gram, extraction force (with 0.2545mm dia. pin)

Substrate: 1.59mm ±0.18mm [0.0625" ±0.007"] FR4/G10 or equivalent high temp material. (RoHS)

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.).



Contacts: Beryllium Copper Alloy172, HT; Finish-0.25 $\mu$ m [10 $\mu$ "] Au over 1.27 $\mu$ m [50 $\mu$ "] Ni (min.).



Solder Balls (See table above)

Description: BGA surface mount emulator foot

1936 position (1.0mm pitch) gold plated female receptacle pins to SMT solder balls (BGA type). Pin asignment 1:1.

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

SF-BGA1936A-B-42(F) Drawing	Status: Released	Scale: 2.5:1	Rev: C	
© 2004 IRONWOOD ELECTRONICS, INC. PO BOX 21151 ST. PAUL, MN 55121 Tele: (651) 452-8100 www.ironwoodelectronics.com	Drawing: H. Hansen	Date: 12	Date: 12/20/04	
	File: SF-BGA1936A-B-42 Dwg Modified: 1/10/06		/10/06	