



**RoHS COMPLIANT**

- ① Substrate: 1.59mm  $\pm$ 0.18mm [0.0625"  $\pm$ 0.007"] per IPC 4101/21, gold surface finish.

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- ② Substrate: 3.18mm  $\pm$ 0.18mm [0.125"  $\pm$ 0.007"] FR4/G10 or equivalent high temp material. Non-clad.

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- ③ Pins: shellmaterial- Brass Alloy 360 1/2 hard; finish- 0.25 $\mu$ m [10 $\mu$ ] Au over 1.27 $\mu$ m [50 $\mu$ ] Ni (min.). Contact material- BeCu; finish 0.25 $\mu$ m [10 $\mu$ ] Au over 2.54 $\mu$ m [100 $\mu$ ] Ni (min. ).

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- ④ Test points: material- Phosphor Bronze; plating- Sn over 1.27 $\mu$ m [50 $\mu$ ] Ni. Gold flash on contact end.

**Description:** Carrier Adaptor (CA)  
32 position QFP ZIF socket (mini-grid on 0.040" centers)  
to 32 position mini grid socket with test points.

**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>CA-QFE32SA-M-Z-T-02F Drawing</b>   | Status: Released                | Scale: 1.5:1 | Rev: A         |
| <p>© 2008 IRONWOOD ELECTRONICS, INC.<br/>11351 Rupp Drive, Suite 400, Burnsville, MN 55337<br/>Tele: (952) 229-8200<br/>www.ironwoodelectronics.com</p> | Drawing: E Smolentseva          |              | Date: 02/11/08 |
|   | File: CA-QFE032SA-M-Z-T-02F Dwg |              | Modified:      |