

(1.00 mm) .0394" (SEI) (1.27 mm) .050" (SIBF)

SEI, SIBF SERIES

# ONE-PIECE INTERFACE

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SEI](http://www.samtec.com?SEI) or see [www.samtec.com?SIBF](http://www.samtec.com?SIBF)

### Insulator Material:

SEI = Liquid Crystal Polymer  
SIBF = Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

SEI = Au over  
50  $\mu$ " (1.27  $\mu$ m) Ni  
SIBF = Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating:

SEI = 2.3 A per pin  
(1 pin powered)  
SIBF = 2.5 A per pin  
(1 pin powered)

### Operating Temp Range:

-55 °C to +125 °C

### Mating Force:

SEI = 50 g (0.49 N) per contact

### Voltage Rating:

SEI = 250 VAC  
SIBF = 155 VAC

### Cycles:

SEI = 100 min

### Contact Deflection:

SEI = (0.46 mm) .018" nominal

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity (SEI):

(0.10 mm) .004" max (05-25)  
(0.15 mm) .006" max (30)\*  
\*(.004" stencil solution may be available; contact [ipg@samtec.com](mailto:ipg@samtec.com))

### SMT Lead Coplanarity (SIBF):

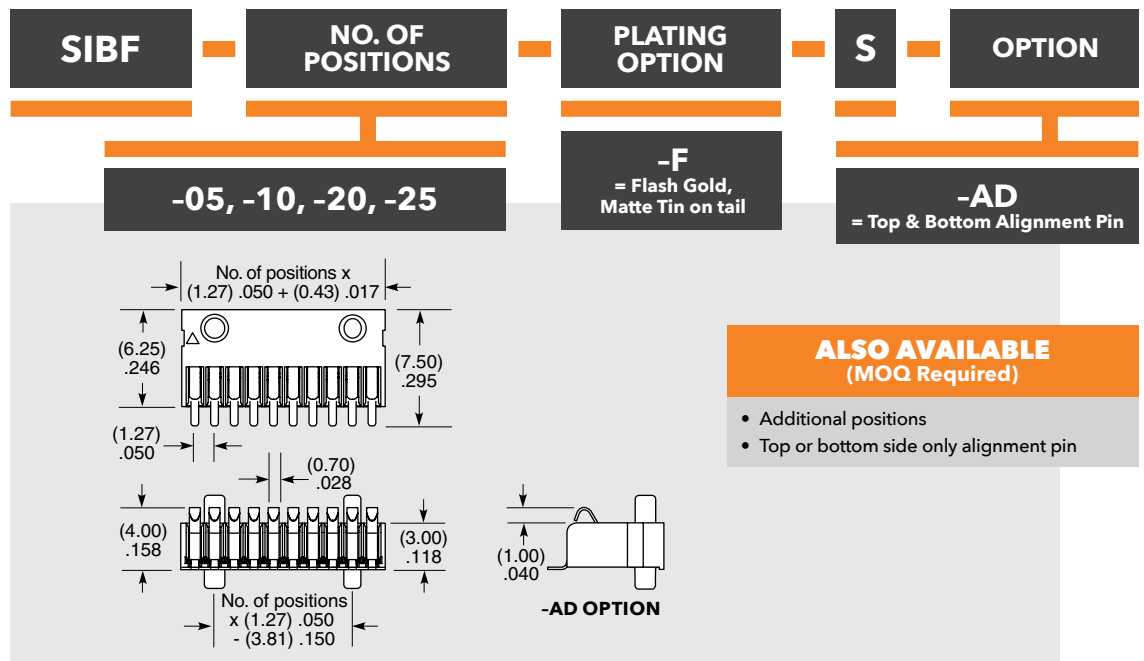
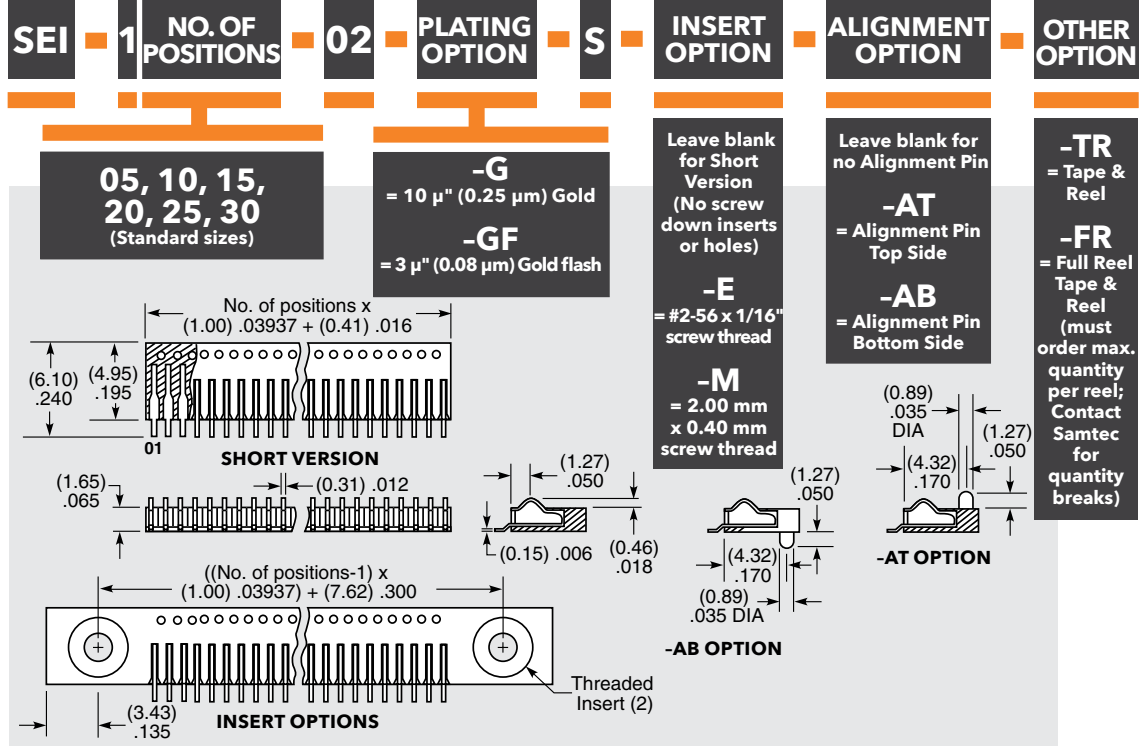
(0.10 mm) .004" max (05-20)  
(0.15 mm) .006" max (25)\*  
\*(.004" stencil solution may be available; contact [ipg@samtec.com](mailto:ipg@samtec.com))

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594



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