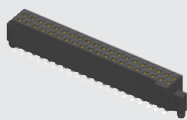


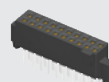


(1,27 mm) .050"

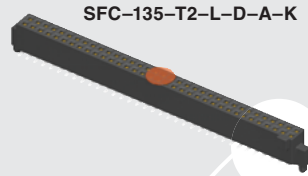
SFC-120-T2-L-D-A



SFC-110-T1-L-D-A



SFC-135-T2-L-D-A-K



SFC SERIES

# COST SAVING RELIABLE SOCKET

## SPECIFICATIONS

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

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Current Rating:

2.9 A per pin

(1 pin powered per row)

### Voltage Rating:

350 VAC mated with TFC

### Operating Temp Range:

-55°C to +125°C

### Contact Resistance:

15 mΩ

### Insertion Depth:

(3,05 mm) .120" to

(4,06 mm) .160"

### Insertion Force:

(Single contact only)

2.5 oz (0,69 N) avg.

### Withdrawal Force:

(Single contact only)

2.0 oz (0,56 N) avg.

### Max Cycles:

10,000 with 30µ" (0,76 µm) Au

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0,10 mm) .004" max (04-25)

(0,15 mm) .006" max (30-50)

## RECOGNITIONS

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



FILE NO. E111594

FILE NO. 090871\_0\_000

## ALSO AVAILABLE (MOQ Required)

- Other sizes
- Contact Samtec.

Mates with:  
TFC, TFSD, TFSOT



High reliability  
Tiger Eye™ LITE  
contacts

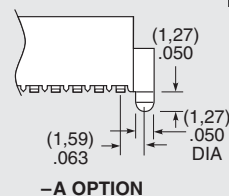
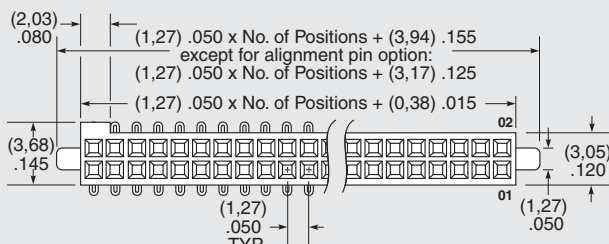
(1,27 mm x 1,27 mm)  
.050" x .050"  
micro pitch

Slotted SMT tails

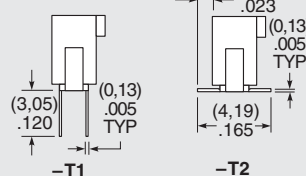
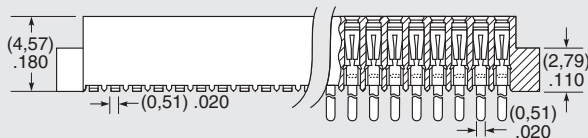
Alignment  
pin option

Polarized

| SFC | 1 | NO. PINS PER ROW                                                     | LEAD STYLE                                                                                | PLATING OPTION                                                                                                             | D | OPTION                                                                                                                                   |
|-----|---|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|
|     |   | 04, 05, 10,<br>15, 20, 25, 30,<br>35, 40, 45, 50<br>(Standard sizes) | -T1<br>= Through-hole<br>Tiger Eye™ LITE<br><br>-T2<br>= Surface Mount<br>Tiger Eye™ LITE | -F<br>= Gold flash on contact,<br>Matte Tin on tail<br><br>-L<br>= 10µ" (0,25 µm)<br>Gold on contact,<br>Matte Tin on tail |   | -A<br>= Alignment Pin<br><br>-K<br>= (4,00 mm) .157" DIA<br>Polyimide film<br>Pick & Place Pad<br><br>-TR<br>= Tape & Reel<br>(-T2 only) |



-A OPTION



-T1

-T2

**Note:** Some sizes, styles and options are non-standard, non-returnable.