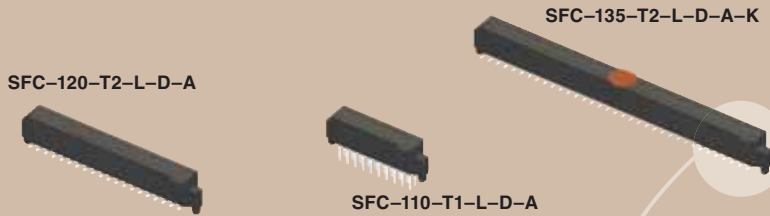




(1,27 mm) .050"



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 (05-25) (0,15 mm) .006" max (30-50)

**Mates with:** TFC, TFSD, TFSDT

High reliability Tiger Eye™ LITE contacts

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

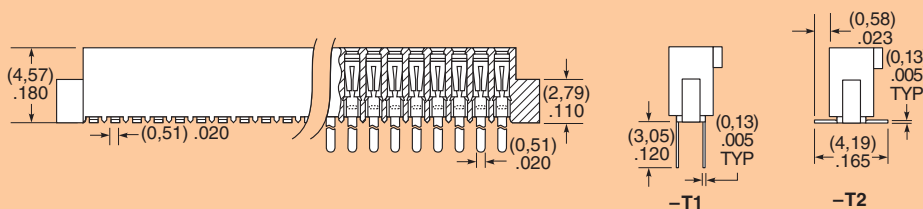
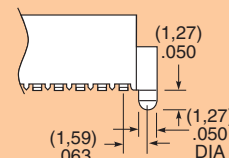
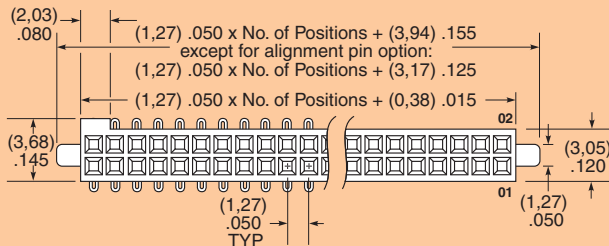


Slotted SMT tails

Alignment pin option

Polarized

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



## ALSO AVAILABLE (MOQ Required)

- Other sizes
- Contact Samtec.

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)