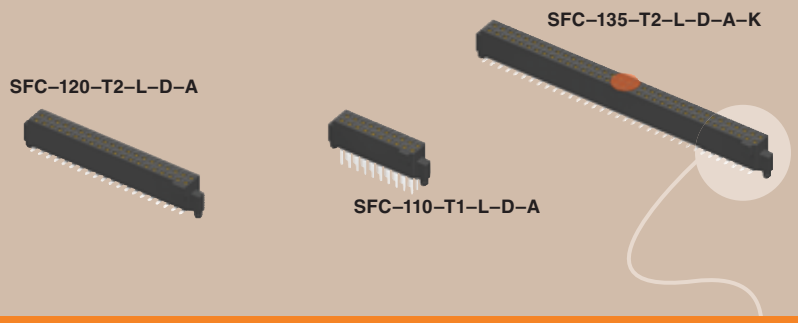
samtec

TIGER EYE™ SYSTEM

(1,27 mm) .050"

SFC SERIES



COST SAVING RELIABLE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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 (10-25)
(0,15 mm) .006" max (30-50)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

FILE NO: 090871_0_00K

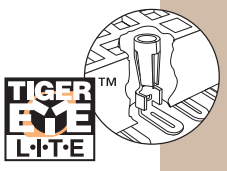
ALSO AVAILABLE
(MOQ Required)

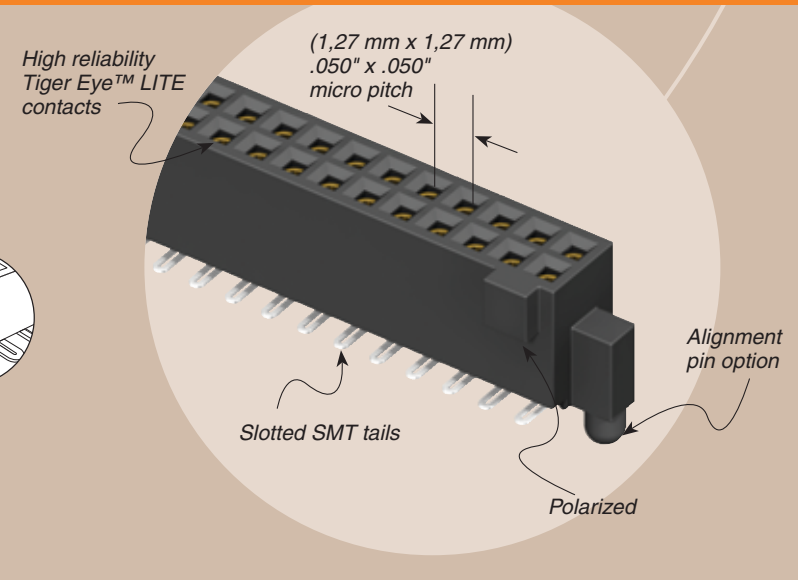
- Other sizes

Contact Samtec.

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

Mates with:
TFC, TFSD, TFSDT





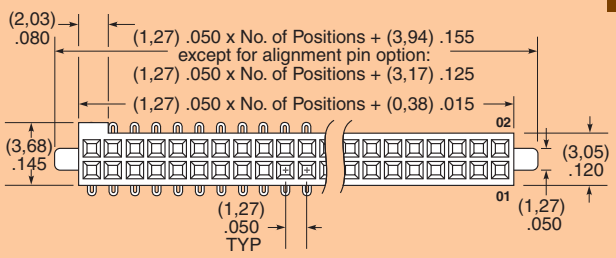
SFC	–	1	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	D	–	OPTION

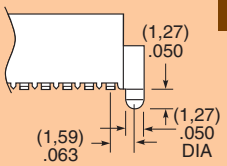
NO. PINS PER ROW
05, 10, 15, 20, 25, 30, 35, 40, 45, 50
(Standard sizes)

LEAD STYLE
–T1 = Through-hole Tiger Eye™ LITE
–T2 = Surface Mount Tiger Eye™ LITE

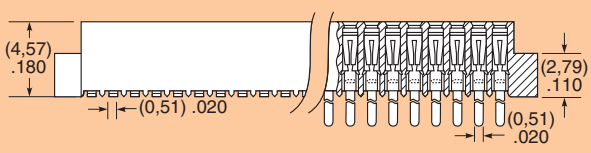
PLATING OPTION
–F = Gold flash on contact, Matte Tin on tail
–L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

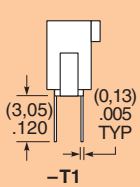
OPTION
–A = Alignment Pin
–K = (4,00 mm) .157" DIA Polyimide film Pick & Place Pad
–TR = Tape & Reel (–T2 only)



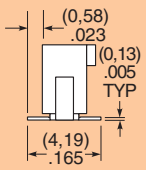


–A OPTION





–T1



–T2

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

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