

**RUGGED TIGER EYE™ SYSTEMS** 

(1.27 mm) .050" PITCH









- Screw down, locking clip, friction latching and weld tab ruggedizing options
- · Shrouded, polarized and keyed
- Surface mount or through-hole tails
- High-density, four row design (FOLC/MOLC Series)
- Discrete wire assemblies available in single or double row, 28 and 30 AWG PVC or \*Teflon™ Fluoropolymer (See pages 238-239). Contact asp@samtec.com for custom solutions.
- Cable components (ISDF/CC03) and tooling available: samtec.com/tooling
- Severe Environment Testing qualified (SFM/TFM); aligns with MIL-DTL-55302.
   Visit samtec.com/set

\*Teflon  $^{\mathtt{m}}$  is a trademark of The Chemours Company FC, LLC used under license by Samtec.







Locking for increased unmating force (SFML/TFML)

#### **KEY SPECIFICATIONS**

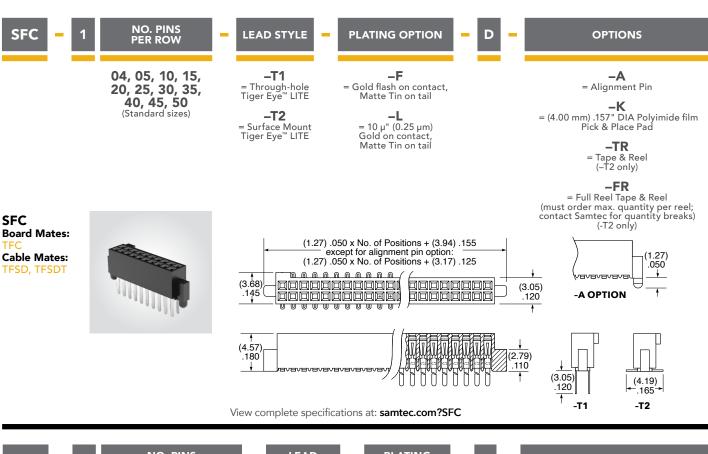
SERIES	STACK HEIGHTS	INSULATOR MATERIAL	CONTACT MATERIAL	PLATING	OPERATING TEMP RANGE	CURRENT RATING	VOLTAGE RATING	MAX. CYCLES	LEAD-FREE SOLDERABLE
SFM/TFM	6 to 12 mm	Black LCP	BeCu (SFM) Phosphor Bronze (TFM)	Au or Sn over 50 μ" (1.27 μm) Ni	-55 °C to +125 °C	3.7A per pin (2 pins powered)	275 VAC	10,000 with 30 µ" (0.76 µm) Au	Yes
SFC/TFC	6 to 12 mm	Black LCP	Phosphor Bronze	Au or Sn over 50 μ" (1.27 μm) Ni	-55 °C to +125 °C	3.1 A per pin (2 pins powered)	350 VAC	(Call Samtec for E.L.P.™ plating option)	Yes

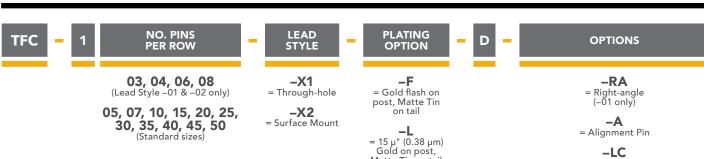






# (1.27 mm) .050" PITCH • COST-EFFECTIVE HEADER/SOCKET

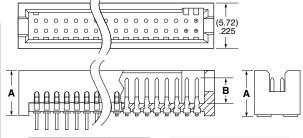




- (1.27) .050 x No. of Positions + (3.18) .125 -

TFC **Board Mates:** Cable Mates: SFSD, SFSDT





Matte Tin on tail

LEAD STYLE	A	В		
-02	(5.72) .225	(3.38) .133		
-12	(7.49) .295			
-22	(9.27) .365	(3.30) .130		
-32	(11.18) .440			

TH LEAD STYLE	A	В		
-01	(5.59) .220	(3.38) .133		
_11	(7.37) .290			
-21	(9.14) .360	(3.30) .130		
-31	(11.05) .435			

View complete specifications at: samtec.com?TFC

#### -LC = Locking Clip (Manual Placement required) (not available with –RA)

### **-K** = (6.75 mm) .266" DIA Polyimide film Pick & Place Pad (not available with –RA)

= Plastic Pick & Place Pad (5 positions min.) (not available with -RA)

## **-TR** = Tape & Reel (-X2 only) (not available with -RA)

-FR

= Full Reel Tape & Reel
(must order max. quantity per reel;
contact Samtec for quantity breaks)
(-X2 only)
(not available with -RA)

Some lengths, styles and options are non-standard, non-returnable.