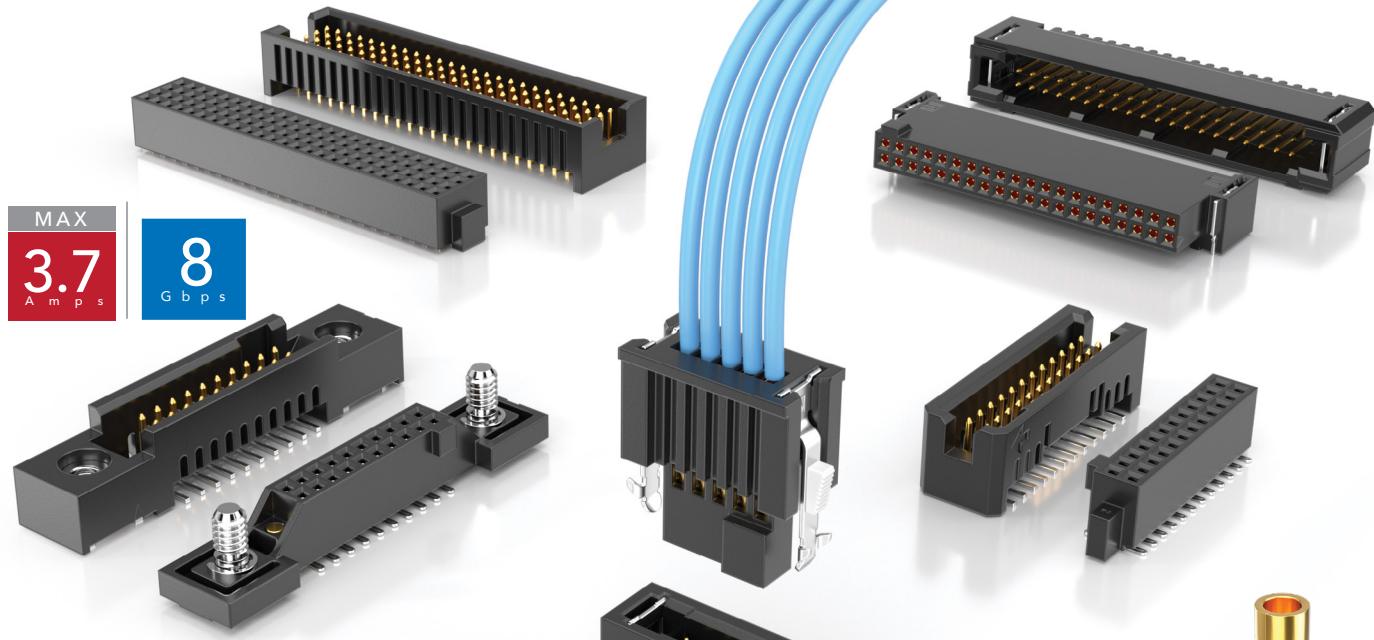




RUGGED TIGER EYE™ SYSTEMS

(1.27 mm) .050" PITCH



FEATURES & BENEFITS

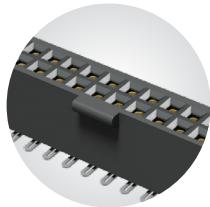
- Screw down, locking clip, friction latching and weld tab ruggedizing options
- Shrouded, polarized and keyed
- Surface mount or through-hole tails
- High-density, four row design (FOLC/MOLC Series)
- Discrete wire assemblies available in single or double row, 28 and 30 AWG PVC or *Teflon™ Fluoropolymer (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™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

TIGER™
EYE
CONTACT



IDC cable assemblies with rugged strain relief (FFSD/FFMD, FFTP/FMTP)



Locking for increased unmating force (SFML/TFML)

KEY SPECIFICATIONS

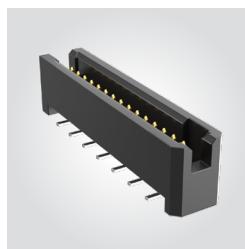
Series	Stack Heights	Insulator Material	Contact Material	Plating	Operating Temp Range	Current Rating	Voltage Rating	Max. Cycles	Lead-Free Solderable
SFM/TFM	6 to 12 mm	Black LCP	BeCu (SFM) Phosphor Bronze (TFM)	Au or Sn over 50 µ" (1.27 µm) Ni	-55 °C to +125 °C	3.7A per pin (2 pins powered)	275 VAC	10,000 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" • SMT/THROUGH-HOLE HEADER

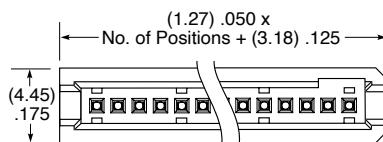
MAX
3.7
A m p s
8
G b p s

SERIES	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTIONS
TFM = Standard		03, 04, 06, 08 (TFM -01 & -02 only)	Specify LEAD STYLE from chart	-L = 15 μ" (0.38 μm) Gold on post, Matte Tin on tail (Call Samtec for E.L.P.™ plating option)	-S = Single Row (TFM only)	Specify only -RA, -RE1 or -RE2
TFML = Locking (-01 & -02 lead style only)		05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)			-D = Double Row	Specify only -A, -LC, -DS or -WT Not available with -RA, -RE1 and -RE2 unless otherwise noted.

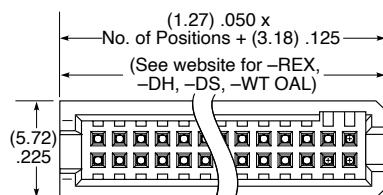
TFM
Board Mates:
SFM, SFMC
Cable Mates:
SFSD, SFSS



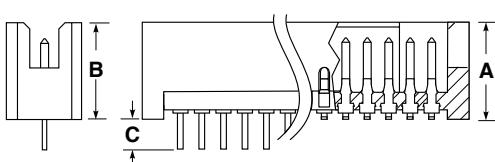
TFML
Board Mates:
SFML
Cable Mates:
SFSD,
TFSD (-T end option)



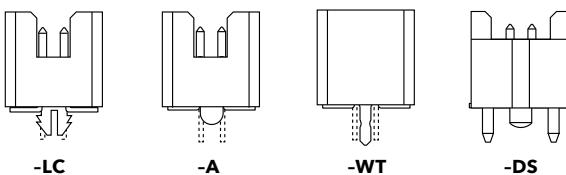
SINGLE ROW



DOUBLE ROW



THROUGH-HOLE SURFACE MOUNT



Notes:
Severe Environment Testing qualified
(TFM); aligns with MIL-DTL-55302.
Visit samtec.com/set

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

View complete specifications at: samtec.com?TFM & samtec.com?TFML

MATED HEIGHTS*	
LEAD STYLE (SMT)	MATED HEIGHT*
TFM	(6.35).250
-02	
-12	
-22	
-32	(8.13).320
LEAD STYLE (T/H)	(9.91).390
TFM	
-01	
-03	
-11	
-13	
-21	
-23	
-31	(11.81).465
LEAD STYLE (T/H)	MATED HEIGHT*
TFM	(5.97).235
-01	
-03	
-11	
-13	
-21	
-23	
-31	

*Processing conditions will affect mated height.

LEAD STYLE (SMT)	A
-02	(5.72).225
-12*	(7.49).295
-22*	(9.27).365
-32*	(11.18).440

* N/A with 07, -DH or -S row option

LEAD STYLE (T/H)	B	C
-01	(5.59).220	(1.97).078
-03*	(5.59).220	(2.77).109
-11*	(7.37).290	(1.97).078
-13*	(7.37).290	(2.77).109
-21*	(9.14).360	(1.97).078
-23*	(9.14).360	(2.77).109
-31*	(11.05).435	(1.97).078

* Not Available with 07 or -S row option