



Surface  
**SMT**  
Mount

# 1,27mm TIGER EYE™ HEADER TFM, TFML

## SPECIFICATIONS

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

**Insulator Material:** Black Liquid Crystal Polymer  
**Terminal Material:** Phosphor Bronze  
**Plating:** Au over 50µ" (1,27µm) Ni  
**Current Rating:** 2A @ 80°C ambient  
**Voltage Rating:** 350 VAC mated with SFM  
**Operating Temp Range:** -55°C to +125°C  
**RoHS Compliant:** Yes



## Processing:

**Max Processing Temp:** 230°C for 60 seconds, or 260°C for 20 seconds 3x  
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0,10mm) .004" max (05-25) (0,15mm) .006" max (30-50)

**TFM Mates with:** SFM, SFMC, SFSD

**TFML Mates with:** SFML

## STACK HEIGHT

LEAD STYLE	SFM	MATED HEIGHT
-02		(6,35) .250
-12	-02	(8,13) .320
-22		(9,91) .390
-32		(11,81) .465

Shrouded body for blind mating

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

Locking feature increases unmating force (TFML)

Choice of four body heights



Surface Mount

Alignment pin or locking clip options available

## COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options

## APPLICATION SPECIFIC OPTION

TFML solder nail option available. Call Samtec.

TYPE STRIP	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTION
1	05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Call Samtec for other sizes)	Specify LEAD STYLE from chart	-L = 10µ" (0,25µm) Gold on post, Matte Tin on tail -S = 30µ" (0,76µm) Gold on post, Matte Tin on tail	-S = Single Row (TFM only) -D = Double Row	-A = Alignment Pin (N/A with -LC or 07 positions) -LC = Locking Clip (N/A with -A) -K = (5,50mm) .216" DIA Polyimide Film Pick & Place Pad -P = Plastic Pick & Place Pad -TR = Tape & Reel -WT = Weld Tabs -02 lead style & 05 thru 30 positions only (N/A with -A, -LC, 07 positions or TFML Series) Mates to SFSS/SFSD -SR & -DR option

**SINGLE ROW**

**DOUBLE ROW**

**LEAD STYLE A**

LEAD STYLE	A
-02	(5,72) .225
-12*	(7,49) .295
-22*	(9,27) .365
-32*	(11,18) .440

\* N/A WITH 07 OR -S

**Note:** Other Gold plating options available. 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.

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