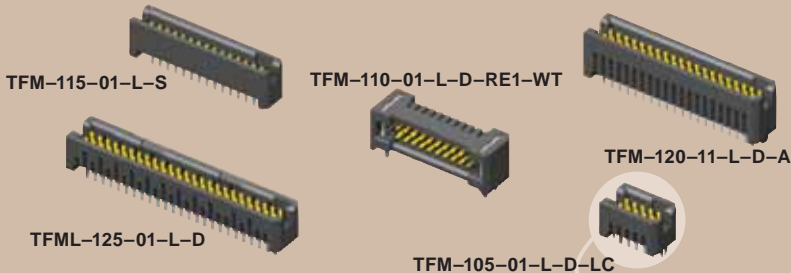




(1,27mm) .050"

TFM, TFML SERIES



# THROUGH-HOLE HIGH REL HEADER

## 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 or Sn over 50µ" (1,27µm) Ni

### Voltage Rating:

350 VAC mated with SFM

### Operating Temp Range:

-55°C to +125°C

### RoHS Compliant:

Yes

### Lead-Free Solderable:

Yes

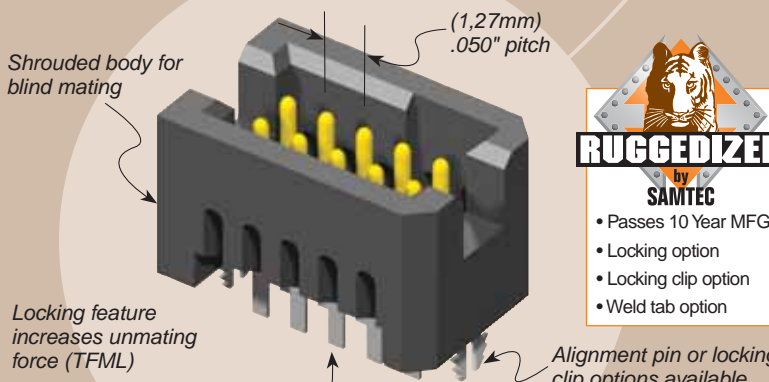


**TFM Mates with:**  
SFM, SFMC, SFSD

**TFML Mates with:**  
SFML, SFSD (-XL option),  
SFSDT (-XL option)

## STACK HEIGHT

LEAD STYLE	MATED HEIGHT
-01	(5,97) .235
-03	(5,97) .235
-11	(7,75) .305
-13	(7,75) .305
-21	(9,53) .375
-31	(11,43) .450



**RUGGEDIZED**  
by  
**SAMTEC**

- Passes 10 Year MFG
- Locking option
- Locking clip option
- Weld tab option

CURRENT RATING	
AMBIENT TEMP	TFM/SFM
20°C	5A
40°C	4.5A
60°C	3.9A
95°C	2.6A

6 POSITIONS (2x3) POWERED

## COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options.

**ELP**  
EXTENDED LIFE PRODUCT

10 Year Mixed Flowing Gas (MFG)  
1,000 cycles when mated with SFM

TYPE STRIP	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTION
TFM = Standard	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 = Single Row (TFM only)	-RA = Right Angle (Style -01 only)
TFML = Locking (Lead style -01 only)			-S = 30µ" (0,76µm) Gold on post, Matte Tin on tail	-D = Double Row	-RE1 = Right Angle Elevated for (1,58mm) .062" PCB (Requires -WT)
					-RE2 = Right Angle Elevated for (2,36mm) .093" PCB (Requires -WT)
					-A = Alignment Pin (N/A with -RA or -LC)
					-LC = Locking Clip (Manual placement required) (N/A with -RA or -A)
					-WT = Weld Tabs lead style -01 and 05, 10, 15, 20, 25, 30 positions only. (N/A with -A, -LC, -RA or TFML Series) Mates to SFSS/SFSD -SR & -DR option

LEAD STYLE	A	B
-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
-31*	(11,05) .435	(1,97) .078

\* N/A with 07 or -S row option

**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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