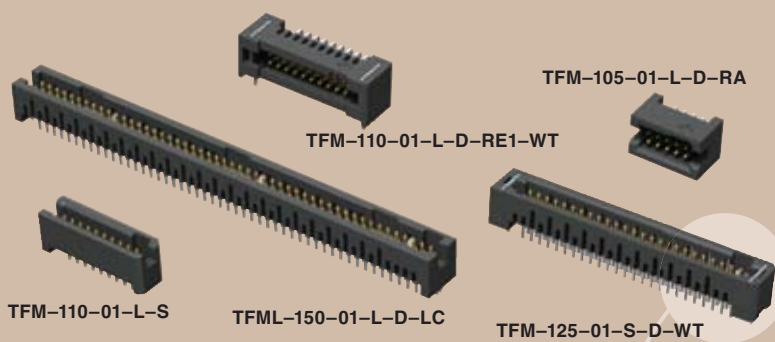




(1,27mm) .050"

TFM, TFML SERIES



THROUGH-HOLE HIGH REL HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?TFM or 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

Shrouded body for blind mating

(1,27mm) .050" pitch

Locking feature increases unmating force (TFML)

Through-hole

Alignment pin or locking clip options available

RUGGEDIZED
by SAMTEC

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

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options.

ELP
EXTENDED LIFE PRODUCT

10 year Mixed Flowing Gas with 30µ" Gold
1,000 cycles when mated with SFM

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

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)
					(TFM lead style -01, -D and 5, 10, 15, 20, 25, 30 positions only)
					-RE2 = Right Angle Elevated for (2,36mm) .093" PCB (Requires -WT)
					(TFM lead style -01, -D and 5, 10, 15, 20, 25, 30 positions only)
					-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, 05 thru 50 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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