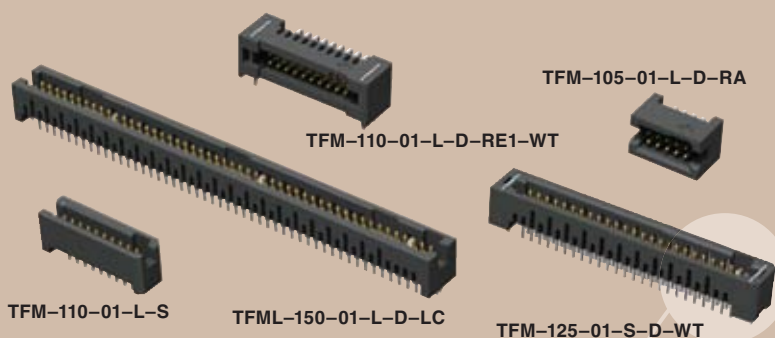




(1,27mm) .050"

TFM, TFML SERIES



THROUGH-HOLE HIGH RELIABILITY 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
TFM	SFM	
-01		(5,97) .235
-03		(5,97) .235
-11	-01	(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



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

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options.



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 (lead style -01 only)
TFML = Locking			-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 only. (N/A with -A, -LC, -RA or TFML Series) Mates to SFSS/SFSD -SR & -DR option

(1,27) .050 x No. of Positions + (3,18) .125
 -RE = (1,27) .050 x No. of Positions + (6,68) .263
 (4,45) .175
 (5,72) .225
 (1,27) .050
 (1,27) .050
 (1,91) .075
 (0,51) .020
 (1,27) .050
 (5,72) .225
 (1,42) .056
 (1,40) .055
 (0,46) .018 DIA
 (0,36) .014
 (1,27) .050 DIA
 (1,14) .045
 (1,42) .056
 (1,40) .055

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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