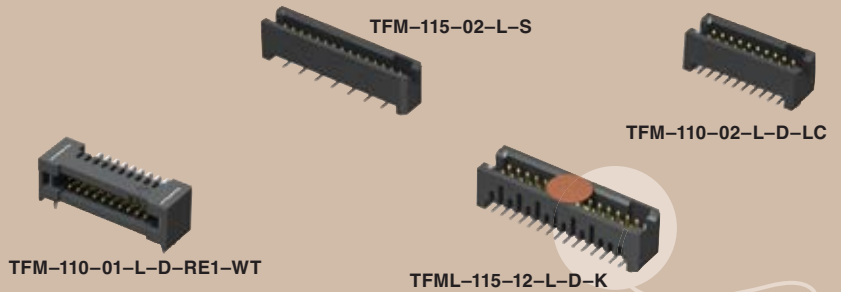




(1,27 mm) .050"

TFM, TFML SERIES



SMT & THROUGH-HOLE 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" (1,27 µm) Ni
Voltage Rating: 350 VAC mated with SFM
Operating Temp Range: -55°C to +125°C
RoHS Compliant: Yes



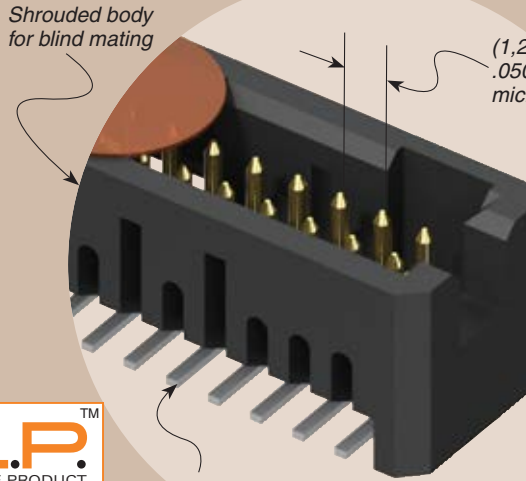
TFM Mates with: SFM, SFMC, SFSD

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

TFM-DH Mates with: SFM (-DH), SFMC, SFSDX (-S, -D, -SR, -DR)

Shrouded body for blind mating

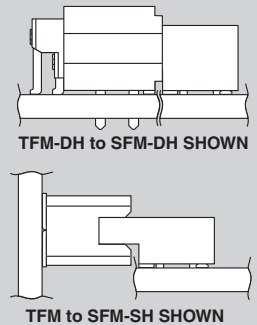
(1,27 mm x 1,27 mm) .050" x .050" micro pitch



Surface mount or Through-hole tails



APPLICATIONS



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

6 POSITIONS (2x3) POWERED

Processing: Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10 mm) .004" max (05-25) (0,15 mm) .006" max (30-50)

MATED HEIGHT

LEAD STYLE		MATED HEIGHT*
TFM	SFM	
-02	-02	(6,35) .250
-12		(8,13) .320
-22		(9,91) .390
-32		(11,81) .465
LEAD STYLE		MATED HEIGHT*
TFM	SFM	
-01	-01	(5,97) .235
-03		(5,97) .235
-11		(7,75) .305
-13		(7,75) .305
-21		(9,53) .375
-31		(11,43) .450

*Processing conditions will affect mated height.

TYPE STRIP = 1

NO. PINS PER ROW

04, 06, 08 (TFM only)

05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Call Samtec for other sizes)

LEAD STYLE

TFM = Standard

TFML = Locking

PLATING OPTION

-L = 15µ" (0,38 µm) Gold on post, Matte Tin on tail (Call Samtec for E.L.P. plating option)

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options.

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
-31*	(11,05) .435	(1,97) .078

SINGLE ROW

DOUBLE ROW

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

THROUGH-HOLE

SURFACE MOUNT

-LC (SMT or TH)

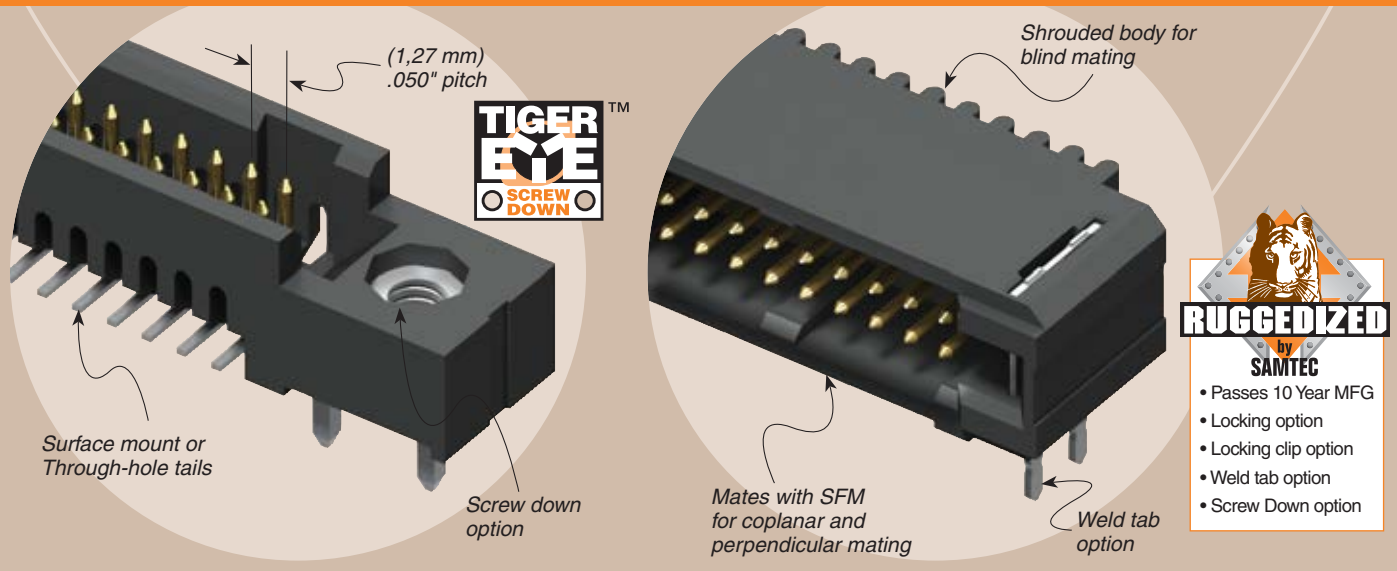
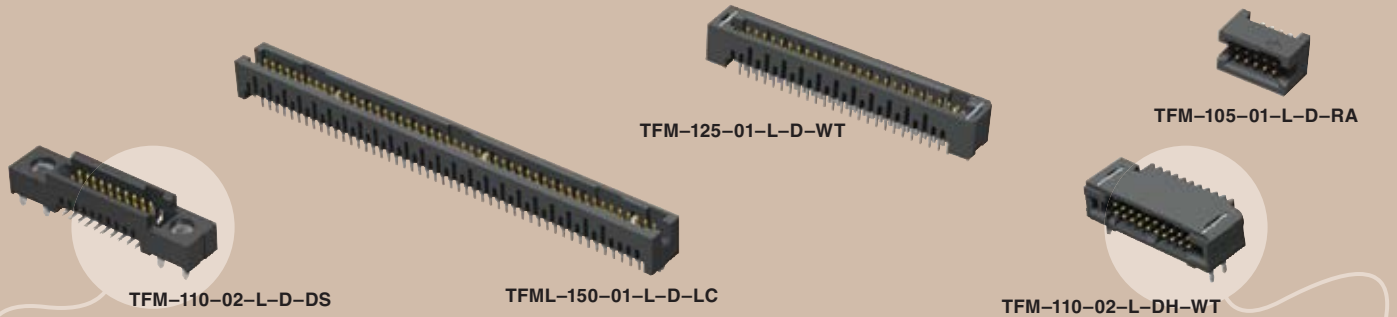
-WT (-01 & -02 ONLY)

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.

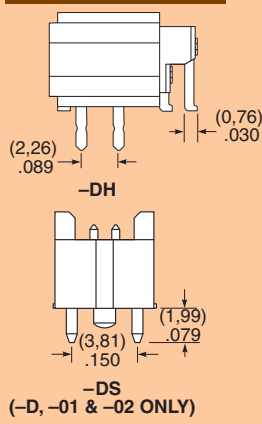
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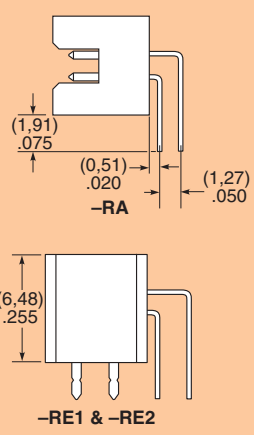
ROW OPTION

- S**
= Single Row (TFM only)
- D**
= Double Row
- DH**
= Double Horizontal (TFM lead style -02 only) (05 thru 50 positions only) (-WT standard; -TR option only available)



OPTION

- Specify only **-RA**, **-RE1** or **-RE2**
- RA**
= Right Angle (Lead style -01 only)
- RE1**
= Right Angle Elevated for (1,58 mm) .062" PCB (Requires TFM lead style -01, -D row and -WT)
- RE2**
= Right Angle Elevated for (2,36 mm) .093" PCB (Requires TFM lead style -01, -D row and -WT)



- Specify only **-A**, **-LC**, **-DS** or **-WT**
Not available with **-RA**, **-RE1** and **-RE2** unless otherwise noted.
- A**
= Alignment Pin
- LC**
= Locking Clip (Manual Placement required)
- DS**
= Dual Screw Down for (1,60 mm) .062" PCB (05, 07, 10, 15, 20, 25, 30, 35, 40 positions only) (TFM lead styles -01 and -02 only) (Requires -D row option) (Mates with SFM-DS option and SFSD/SFSDT -SS and -DS option only)
- WT**
= Weld Tab (TFM lead styles -01 and -02 only) (Standard with -DH) (Mates to SFSS/SFSD -SR and -DR option only) (05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 positions only)

- SMT lead styles only
Specify only **-K** or **-P**
- K**
= Polyimide Film Pick & Place Pad
- P**
= Plastic Pick & Place Pad (5 positions minimum)
- Specify **-TR** last
- TR**
= Tape & Reel (Not available with -DS)

APPLICATION SPECIFIC OPTION

Solder nail option available.
Call Samtec.

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