

TFM-115-02-L-S

(1,27 mm) .050"

T & 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 Current Rating (TFM/SFM): 3.2 A per pin (1 pin powered per row) Voltage Rating: 250 VAC mated with SFM Operating Temp Range: -55°C to +125°C RoHS Compliant: Yes

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

TFML Mates with:

TFM-DH Mates with:

SFM (-DH), SFMC, SFSDX (-S, -D, -SR, -DR)

 TFM

= Standard

 TFML = Locking

(-01 & -02 lead style only)

В

(5,59) .220 (1,97) .078

(5,59) .220 (2,77

(7,37) .290

(7,37) .290 (2,77)

(9,14) .360 (1,97) .078

(9.14)(2,77)

360 .109

N/A with 07 or -S row

(11,05) (1,97) .435 .078

C

.109

(1,97) .078

.109

В

C

LEAD

STYLE (T/H)

-01

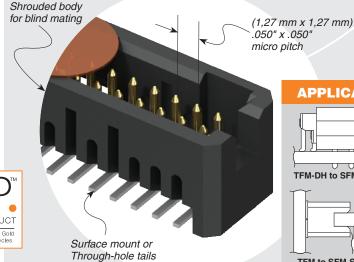
-03*

-11*

-13

-23*







RECOGNITIONS

For complete scope of recognitions see





MATED HEIGHT

LEAD STYLE		MATED
TFM	SFM	HEIGHT*
-02	-02	(6,35) .250
-12		(8,13) .320
-22		(9,91) .390
-32		(11,81) .465
LEAD STYLE		MATED
TFM	SFM	HEIGHT*
-01	-01	(5,97) .235
-03		(5,97) .235
-11		(7,75) .305
-13		(7,75) .305
-21		(9,53) .375
-23		(9,53) .375
-31		(11,43) .450
*Processing conditions will affect		

SOLUTIONS

mated height.

 Lower cost plating options. See TFC Series.

Note: Some sizes, styles and options are non-standard, non-returnable.



03, 04, 06, 08 (TFM -01 & -02 only)

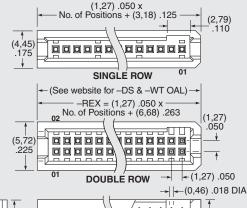
05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)

LEAD STYLE

Specify LEAD STYLE from chart

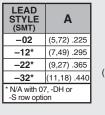
PLATING OPTION

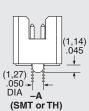
= 15μ" (0,38 μm) Gold on post, Matte Tin on tail (Call Samtec for E.L.P.™ plating option)

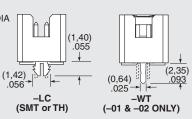


-(0.36).014

SURFACE MOUNT

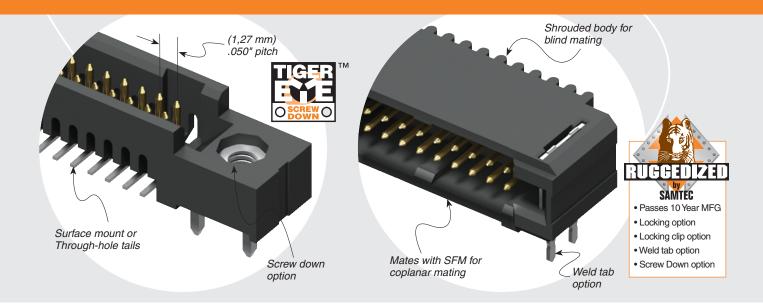






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THROUGH-HOLE



ROW OPTION

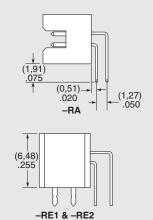
–S = Single Row (TFM only)

-D

= Double Row

-DH* = Double Horizontal (TFM lead style –02 only) (05 thru 50 positions only) (–TR option only available)

(0,76)(2,26)-DH* A A [(3,81) 150 -DS (-D, -01 & -02 ONLY)



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 = 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)
(Not available with -A, -LC,
-WT, -K, -P, -TR)

-WT

= Weld Tab

(TFM lead styles -01 and -02 only) (Required callout for -RE1 & -RE2) (Mates to SFSS/SFSD -SR and -DR option only) (05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 positions only)

* Note: Weld tab is standard on –DH option. No need to specify –WT.

SMT lead styles only Specify only –K or –P –**K**

= Polyimide Film Pick & Place Pad

= Plastic Pick & Place Pad (5 positions minimum) Not available with 5 position with -WT)

Specify -TR last

-TR

= Tape & Reel (Not available with –DS)

ALSO AVAILABLE (MOQ Required)

- Solder nail option
- Other sizes
- Other platings Contact Samtec.