









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 50 μ" (1.27 μm) Ni Current Rating (TFM/SFM):

3.2 A per pin (2 pins powered)

Voltage Rating:
250 VAC mated with SFM Operating Temp Range: -55 °C to +125 °C

RoHS Compliant:

PROCESSING

Lead-Free Solderable:

SMT Lead Coplanarity: (0.10 mm) .004" max (05-25) (0.15 mm) .006" max (30-50)* *(.004" stencil solution may be available; contact

IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



MATED HEIGHTS

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 mated height.		

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



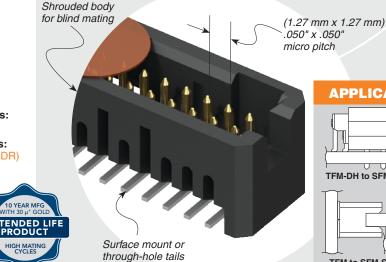
TFM Cable Mates:

TFML Board Mates: SFML

TFM-DH Board Mates: SFM (-DH), SFMC

TFM-DH Cable Mates:

SFSDX (-S, -D, -SR, -DR)



APPLICATIONS TFM-DH to SFM-DH SHOWN TFM to SFM-SH SHOWN

TYPE STRIP

 TFM

= Standard

 TFML

= Locking (-01 & -02

lead style only)

NO. PINS **PER ROW**

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

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

> (1.27) .050 x No. of Positions + (3.18) .125

LEAD STYLE

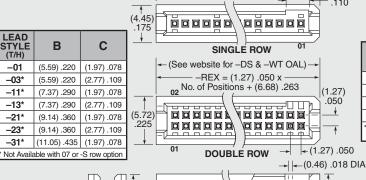
Specify LEAD STÝLE from chart

PLATING OPTION

= 15 µ" (0.38 µm) Gold on post, Matte Tin on tail (Call Samtec for E.L.P.™ plating option)

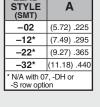
OTHER SOLUTIONS

· Lower cost plating options. See TFC Series.

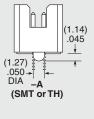


В

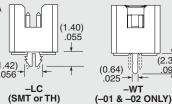
C



LEAD



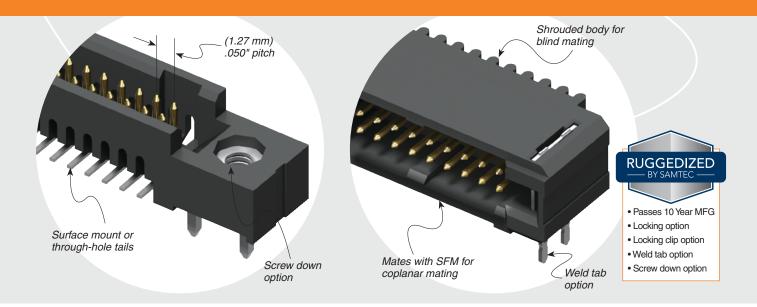
(2.35)



THROUGH-HOLE

-(0.36) .014

SURFACE MOUNT



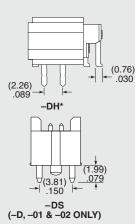
ROW OPTION

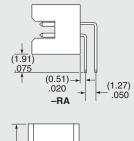
–S = Single Row (TFM only)

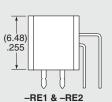
–D = Double Row

-DH*

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







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

-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)
(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)

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

Due to technical progress, all designs, specifications and components are subject to change without notice

Mouser Electronics

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Samtec:

TFM-140-02-S-D-A