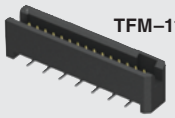
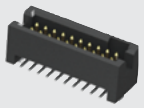
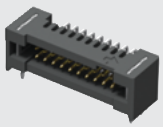
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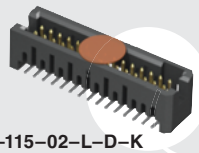
samtec

TIGER EYE SYSTEM™


TFM–115–02–L–S


TFM–110–02–L–D–LC


TFM–110–01–L–D–RE1–WT


TFML–115–02–L–D–K

(1,27 mm) .050"

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
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

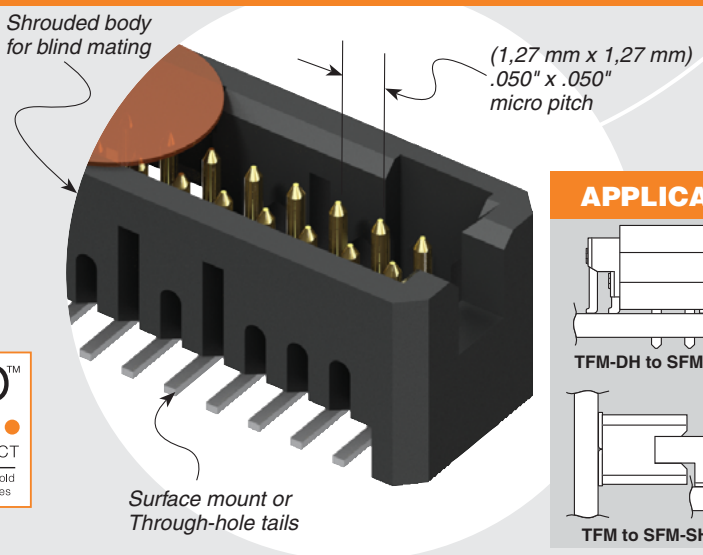
Processing:
Lead-Free Solderable: Yes
SMT Lead Coplanarity:
(0,10 mm) .004" max (05-25)
(0,15 mm) .006" max (30-50)

TFM Mates with:
SFM, SFMC, SFSD

TFML Mates with:
SFML

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

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles



APPLICATIONS

TFM-DH to SFM-DH SHOWN

TFM to SFM-SH SHOWN

RECOGNITIONS

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

FILE NO. E111594
FILE NO: 090871_0_000

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
–23		(9,53) .375
–31		(11,43) .450

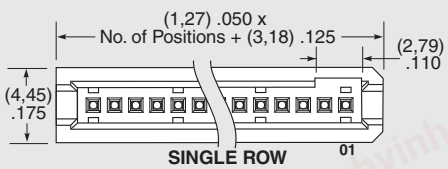
*Processing conditions will affect mated height.

OTHER SOLUTIONS

- Lower cost plating options. See TFC Series.

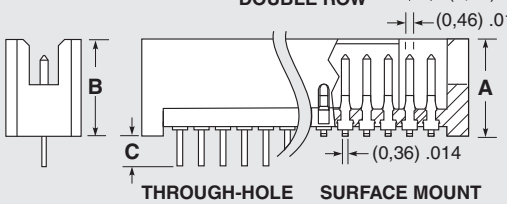
Note: Some sizes, styles and options are non-standard, non-returnable.

TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION
TFM = Standard **TFML** = Locking (–01 & –02 lead style only)		03, 04, 06, 08 (TFM –01 & –02 only) 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)	Specify LEAD STYLE from chart	**–L** = 15µ" (0,38 µm) Gold on post, Matte Tin on tail (Call Samtec for E.L.P.™ plating option)



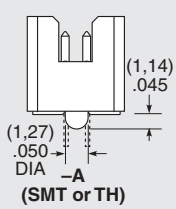
LEAD STYLE (T/H)	B	C
–01	(5,59) .220	(1,97) .078
–03*	(5,59) .220	(2,77) .109
–11*	(7,37) .290	(1,97) .078
–13*	(7,37) .290	(2,77) .109
–21*	(9,14) .360	(1,97) .078
–23*	(9,14) .360	(2,77) .109
–31*	(11,05) .435	(1,97) .078

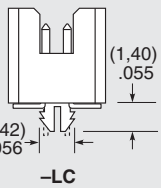
* N/A with 07 or -S row option

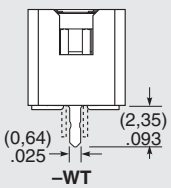


LEAD STYLE (SMT)	A
–02	(5,72) .225
–12*	(7,49) .295
–22*	(9,27) .365
–32*	(11,18) .440

* N/A with 07, -DH or -S row option



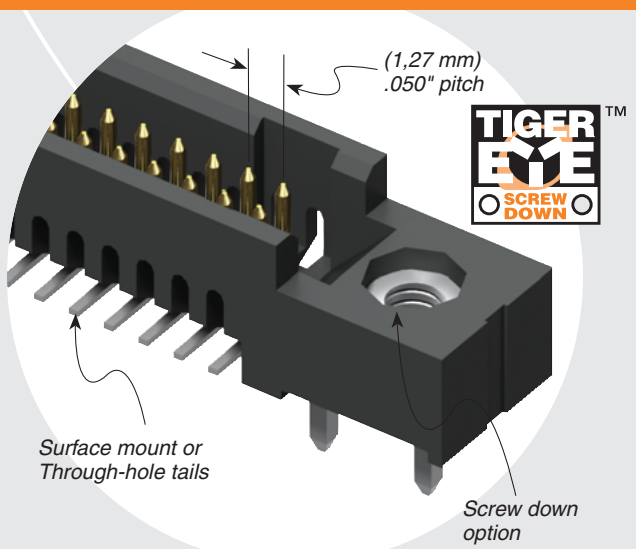


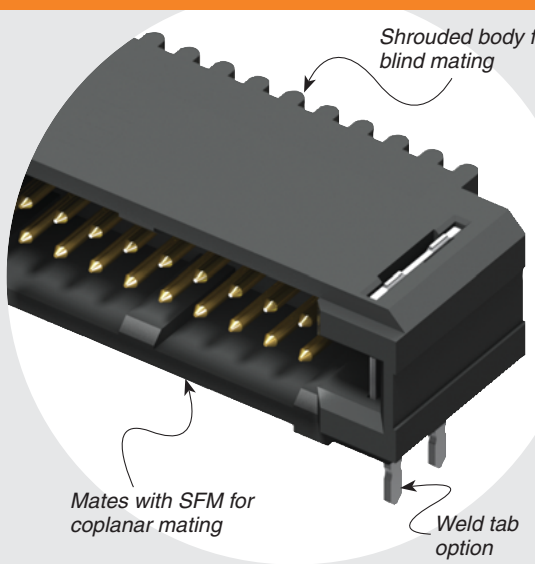


Due to technical progress, all designs, specifications and components are subject to change without notice.



TFM, TFML SERIES





RUGGEDIZED by SAMTEC

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

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
= 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)

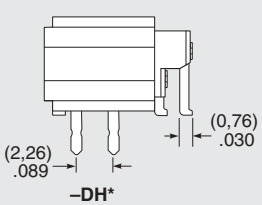
SMT lead styles only
Specify only –K or –P

–K
= Polyimide Film Pick & Place Pad

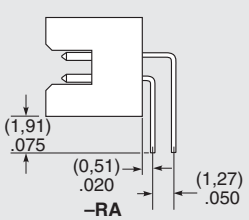
–P
= Plastic Pick & Place Pad
(5 positions minimum)
(Not available with
5 position with –WT)

Specify –TR last

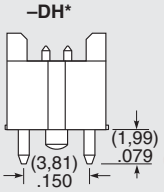
–TR
= Tape & Reel
(Not available with –DS)



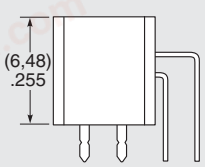
–DH*



–RA



–DS
(–D, –01 & –02 ONLY)



–RE1 & –RE2

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

ALSO AVAILABLE
(MOQ Required)

- Solder nail option
- Other sizes
- Other platings

Contact Samtec.

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