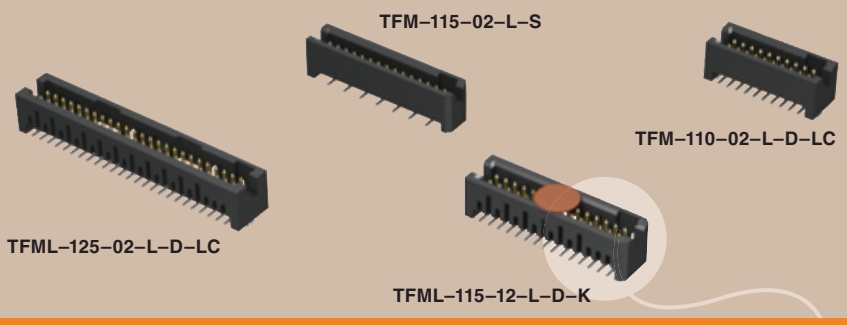
samtec

TIGER EYE SYSTEM™

(1,27mm) .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" (1,27µm) Ni

Voltage Rating:
350 VAC mated with SFM

Operating Temp Range:
-55°C to +125°C

RoHS Compliant:
Yes

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	

Processing:

Lead-Free Solderable:
Yes

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

Note: Other Gold plating options available. Contact Samtec.

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

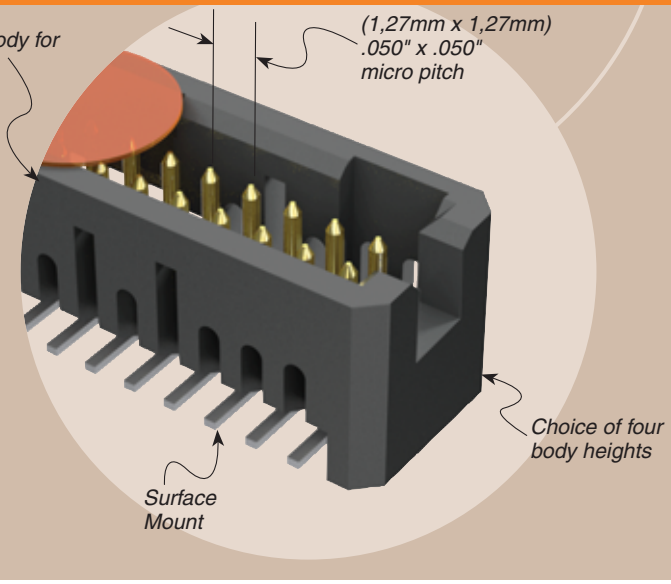
TFM Mates with:
SFM, SFMC, SFSD

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

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

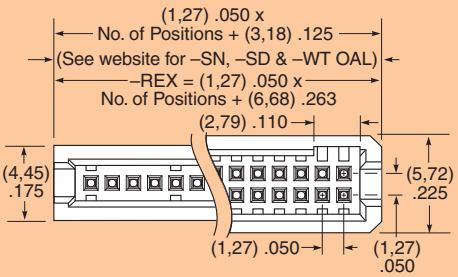
*Processing conditions will affect mated height.



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

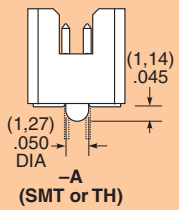
LEAD STYLE (T/H)	B	C
–01	(5,59) .220	(1,97) .078
–03*	(5,59) .220	(2,77) .109
–11*	(7,37) .290	(1,97) .078
–13*	(7,37) .290	(2,77) .109
–21*	(9,14) .360	(1,97) .078
–31*	(11,05) .435	(1,97) .078

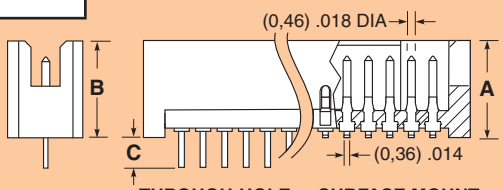
* N/A with 07 or -S row option

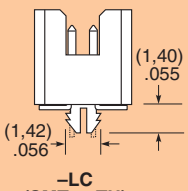


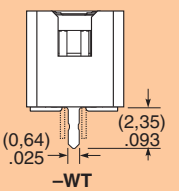
LEAD STYLE (SMT)	A
–02	(5,72) .225
–12*	(7,49) .295
–22*	(9,27) .365
–32*	(11,18) .440

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



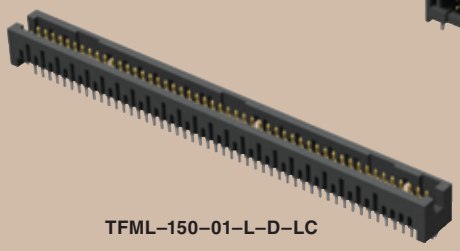






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TFML–150–01–L–D–LC



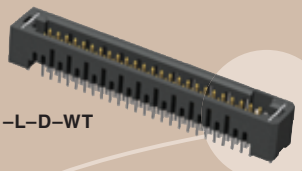
TFM–110–01–L–D–RE1–WT



TFM–105–01–L–D–RA



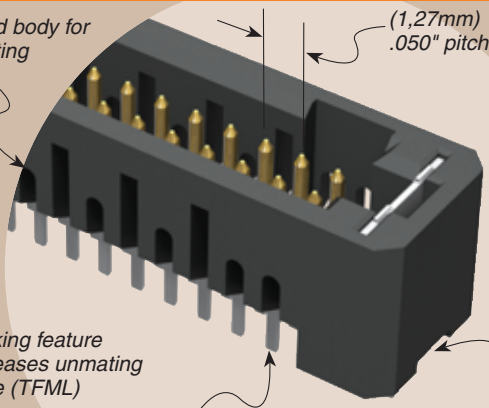
TFM–110–01–L–S



TFM–125–01–L–D–WT

RUGGEDIZED by SAMTEC

- Passes 10 Year MFG
- Locking option
- Locking clip option
- Weld tab option
- Solder nail option for up to 25Gs
- Screw Down option



E.L.P.™ EXTENDED LIFE PRODUCT

10 year Mixed Flowing Gas with 30µ" Gold
1,000 cycles when mated with SFM

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options.

APPLICATION SPECIFIC OPTION

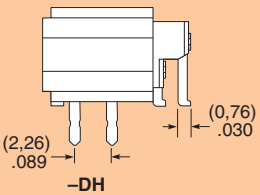
Solder nail option available.
Call Samtec.

ROW OPTION

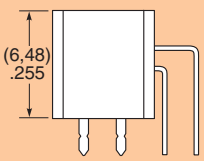
–S
= Single Row
(TFM only)

–D
= Double Row

–DH
= Double Horizontal
(TFM lead style –02 only)
(–05 thru –50 only)
(–WT standard; –TR option only available)



–DH



–RE1 & –RE2

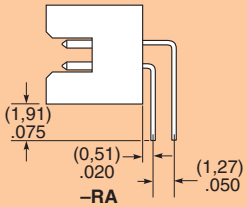
OPTION

Specify only –RA, –RE1 or –RE2

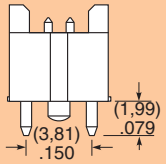
–RA
= Right Angle
(Lead style –01 only)

–RE1
= Right Angle Elevated for (1,58mm) .062" PCB
(Requires TFM lead style –01, –D row and –WT)

–RE2
= Right Angle Elevated for (2,36mm) .093" PCB
(Requires TFM lead style –01, –D row and –WT)



–RA



–DS
(–01 & –02 ONLY)

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
(1,60mm) .062" PCB
(TFM lead styles –01 & –02 only)
(Mates with SFM–DS option and SFSD/SFSDT –SS and –DS option)

–WT
= Weld Tab
(TFM lead styles –01 and –02 only)
(Standard with –DH)
(Mates to SFSS/SFSD –SR & –DR option)

SMT lead styles only
Specify only –K or –P

–K
= Polyimide Film Pick & Place Pad

–P
= Plastic Pick & Place Pad

Specify –TR last

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

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