



ELP
EXTENDED LIFE PRODUCT

10 Year Mixed Flowing Gas (MFG)
2,500 cycles when mated with SFM

Surface
SMT
Mount

1,27mm TIGER EYE™ HEADER TFM, TFML

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 over 50µ" (1,27µm) Ni

Current Rating:

2A @ 80°C ambient

Voltage Rating:

350 VAC mated with SFM

Operating Temp Range:

-55°C to +125°C

RoHS Compliant:

Yes

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max (05-25)

(0,15mm) .006" max (30-50)



TFM Mates with:
SFM, SFMC, SFSD

TFML Mates with:
SFML

STACK HEIGHT

LEAD STYLE	MATED HEIGHT
TFM	SFM
- 02	(6,35) .250
- 12	(8,13) .320
- 22	(9,91) .390
- 32	(11,81) .465

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options

Shrouded body for blind mating

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

Locking feature increases unmating force (TFML)

Choice of four body heights



Surface Mount

Alignment pin or locking clip options available

APPLICATION SPECIFIC OPTION

TFML solder nail option available.
Call Samtec.

TYPE STRIP

1

NO. PINS PER ROW

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

LEAD STYLE

Specify LEAD STYLE from chart

PLATING OPTION

-L
= 10µ" (0,25µm)
Gold on post,
Matte Tin on tail

-S
= 30µ" (0,76µm)
Gold on post,
Matte Tin on tail

ROW OPTION

-S
= Single Row

-D
= Double Row

OPTION

-A
= Alignment Pin
(N/A with -LC or 07 positions)

-LC
= Locking Clip
(N/A with -A)

-K
= (5,50mm) .216" DIA
Polyimide Film
Pick & Place Pad

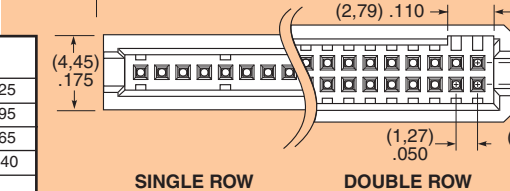
-P
= Plastic Pick & Place Pad

-TR
= Tape & Reel

-WT
= Weld Tabs
-02 lead style & 05 thru
30 positions only
(N/A with -A, -LC,
07 positions or
TFML Series)
Mates to SFSS/SFSD
-SR & -DR option

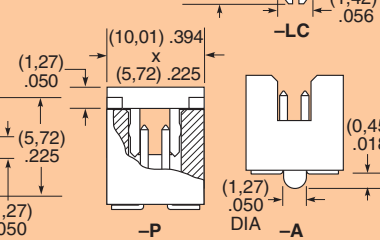
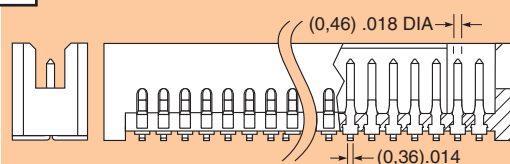
LEAD STYLE	A
-02	(5,72) .225
-12*	(7,49) .295
-22*	(9,27) .365
-32*	(11,18) .440
* N/A WITH 07 OR -S	

(1,27) .050 x No. of Positions + (3,18) .125
With -WT = (1,27) .050 x No. of Positions
+ (6,68) .263

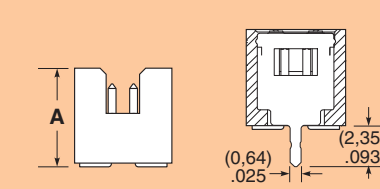


SINGLE ROW

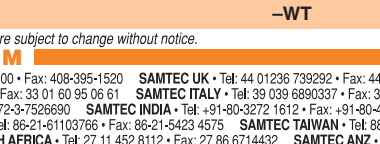
DOUBLE ROW



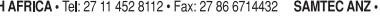
-LC



-P



-TR



-WT

Note: Other Gold plating options available.
Contact Samtec.

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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