


ELP
 EXTENDED LIFE PRODUCT

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

 Surface
SMT
 Mount

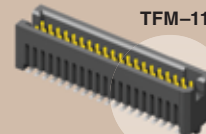
1,27mm TIGER EYE™ HEADER

 TFM,
 TFML

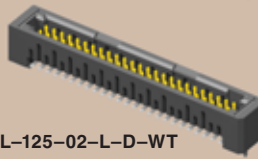
TFM-115-02-L-S



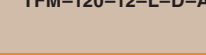
TFM-110-02-L-D-LC



TFML-125-02-L-D-WT



TFM-120-12-L-D-A



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

LEAD STYLE

PLATING OPTION

ROW OPTION

OPTION

TFM

= Standard

TFML

= Locking
(Lead style
-02 only)
 05, 07,
 10, 15, 20,
 25, 30, 35,
 40, 45, 50
 (Call Samtec for
 other sizes)
Specify
LEAD
STYLE
from
chart

-L

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

-S

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

-S

= Single
Row

-D

= Double
Row

-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

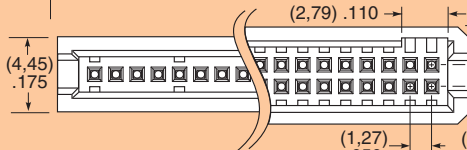
-TR

= Tape & Reel

-WT

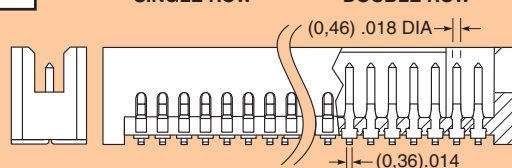
 = Weld Tabs
 -02 lead style & 05 thru
 30 positions only
 (N/A with -A, -LC,
 07 positions or
 TFML Series)
 Mates to SFSS/SFSD
 -SR & -DR option

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



(1,40) .055 (1,42) .056

-LC

(10,01) .394 (5,72) .225

-P

(1,27) .050 (1,27) .050

-A

(0,45) .018

(1,27) .050 DIA

-WT

(0,64) .025 (2,35) .093

-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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SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047

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SAMTEC TAIWAN • Tel: 886-2-2735-6109 • Fax: 886-2-2735-5036

SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745