


ELP
 EXTENDED LIFE PRODUCT

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

 Surface
SMT
 Mount

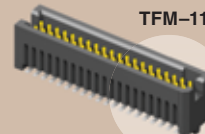
1,27mm TIGER EYE™ HEADER

 TFM,
 TFML

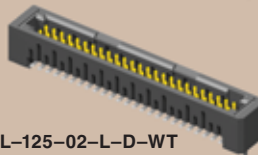
TFM-115-02-L-S



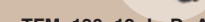
TFM-110-02-L-D-LC



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	SFM	MATED HEIGHT
-02		(6,35) .250
-12	-02	(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

= 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

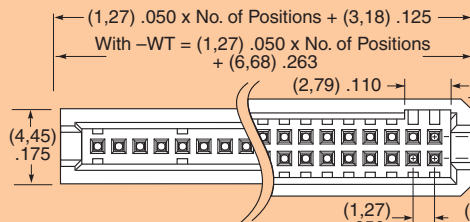
 -WT
 = Weld Tabs
 -02 lead style & 05 thru
 30 positions only
 (N/A with -A, -LC,
 07 positions or
 TFML Series)
 Mates to SFSD -SR
 & -DR option

TAPE & REEL AVAILABILITY

 No tooling charges.
 Minimum order is the lesser of
 a full reel quantity or 125 pieces.
 Order any quantity above minimum.
 In-house design, manufacture.
 Quick turn-around.

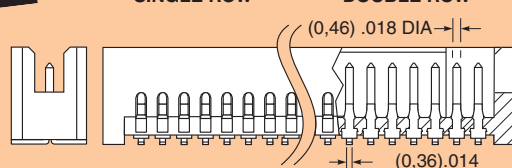
 Call Samtec for specifications
 and ordering information.

 Note: Other Gold plating
 options available.
 Contact Samtec.

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


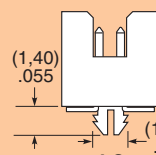
SINGLE ROW

DOUBLE ROW

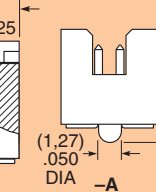


LEAD STYLE	A
-02	(5,72) .225
-12*	(7,49) .295
-22*	(9,27) .365
-32*	(11,18) .440

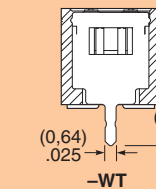
* N/A WITH 07 OR -S



-LC



-P



-WT

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

WWW.SAMTEC.COM

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

SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299

SAMTEC NORDIC/BALTIC • Tel: +46-84477280 • Fax: +46-87420413

SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502

SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842

SAMTEC JAPAN • Tel: 045-475-1385 • Fax: 045-475-1340

SAMTEC KOREA • Tel: 82-31-717-5685 • Fax: 82-31-717-5681

SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520

SAMTEC FRANCE • Tel: 33 01 60 95 06 60 • Fax: 33 01 60 95 06 61

SAMTEC ISRAEL • Tel: 972-3-7526600 • Fax: 972-3-7526690

SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-5423 4575

SAMTEC UK • Tel: 44 01236 739292 • Fax: 44 01236 727113

SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315

SAMTEC INDIA • Tel: +91-80-3272 1612 • Fax: +91-80-4152 8187

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

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