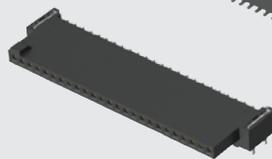




SFM-110-02-L-D-A

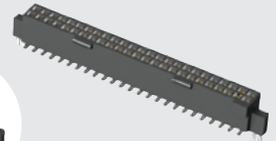
SFML-125-T2-L-D-LC



SFM-125-02-L-SH



SFML-115-T2-L-D-LC



(1.27 mm) .050"

SMT & THROUGH-HOLE TIGER EYE™ SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SFM or www.samtec.com?SFML

Insulator Material:
Black Liquid Crystal Polymer
Plating:
Au or Sn over 50 μ" (1.27 μm) Ni
Current Rating (SFM/TFM):
3.2 A per pin
(1 pin powered per row)
Voltage Rating:
250 VAC mated with TFM
Operating Temp Range:
-55 °C to +125 °C
Contact Resistance:
15 mΩ
Insertion Depth:
(3.05 mm) .120" to
(4.06 mm) .160"
Wiping Distance:
(0.38 mm) .015"
Normal Force:
Standard= 132 g (1.29 N) avg.;
LIF= 90 g (0.88 N) avg.
Max Cycles:
10,000 with 30 μ" (0.76 μm) Au
(Call Samtec for E.L.P.™
plating option)
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)

RECOGNITIONS

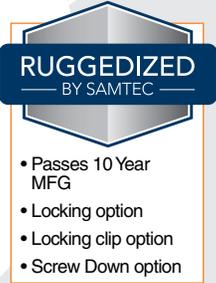
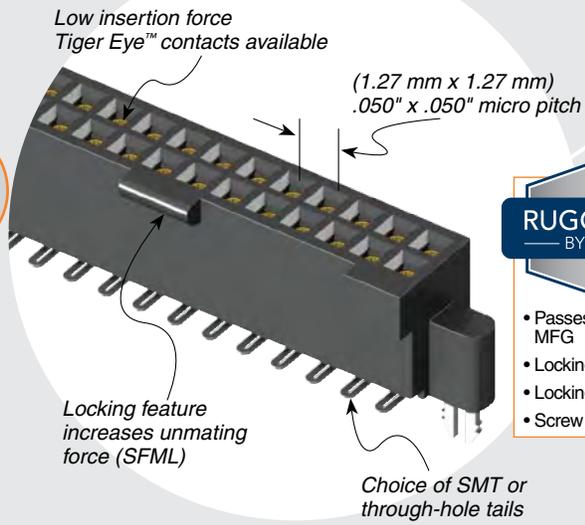
For complete scope of recognitions see www.samtec.com/quality



SFM Board Mates:
TFM

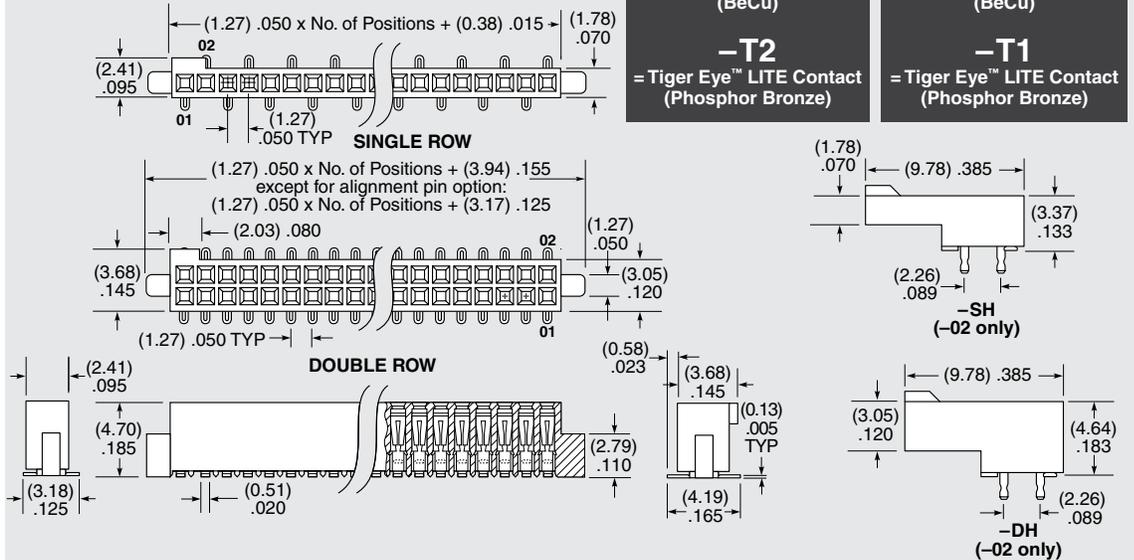
SFM Cable Mates:
TFSD, TFSS

SFML Board Mates:
TFML

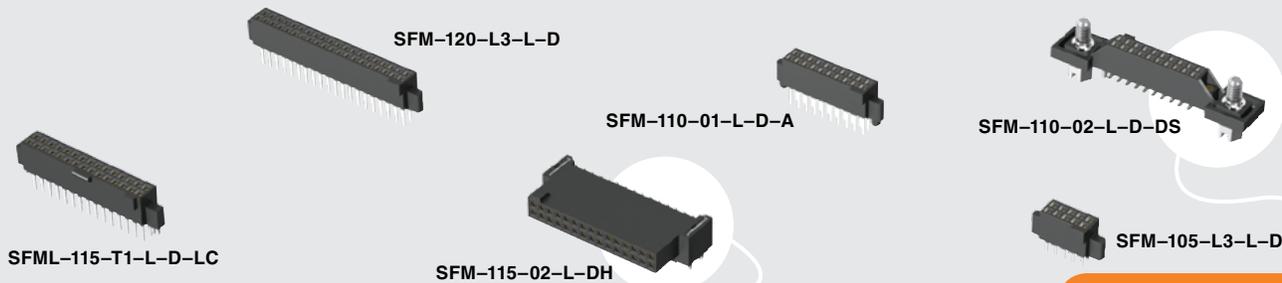


TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE
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<p>SFM = Standard</p> <p>SFML = Locking</p>	<p>03, 04, 06, 08 (SFM only)</p> <p>05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)</p>	<p>(Surface Mount)</p> <p>-02 = Tiger Eye™ Contact (BeCu)</p> <p>-L2 = Low Insertion Force Tiger Eye™ Contact (BeCu)</p> <p>-T2 = Tiger Eye™ LITE Contact (Phosphor Bronze)</p>	<p>(Through-hole)</p> <p>-01, -03 = Tiger Eye™ Contact (BeCu)</p> <p>-L1, -L3 = Low Insertion Force Tiger Eye™ Contact (BeCu)</p> <p>-T1 = Tiger Eye™ LITE Contact (Phosphor Bronze)</p>
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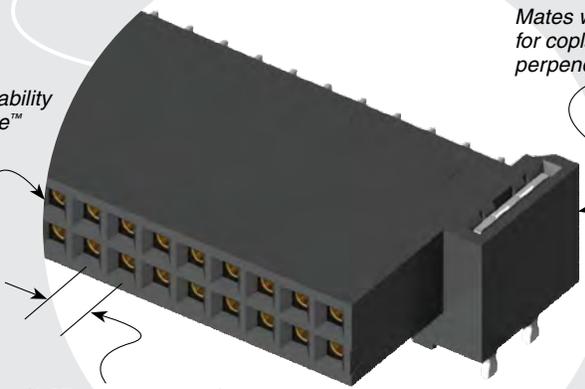
Note: Some sizes, styles and options are non-standard, non-returnable.



SFM, SFML SERIES

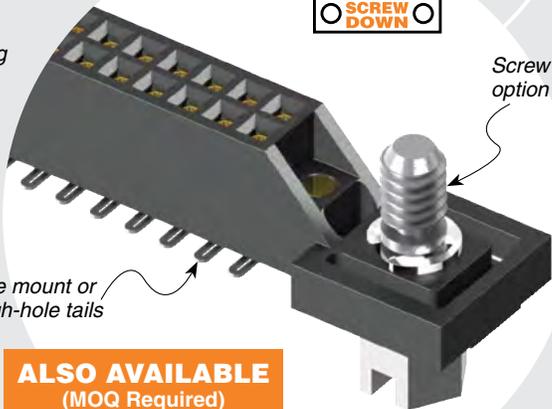


High reliability Tiger Eye™ contacts



(1.27 mm x 1.27 mm)
.050" x .050" micro pitch

Mates with TFM for coplanar and perpendicular mating



Screw down option

Surface mount or Through-hole tails

ALSO AVAILABLE (MOQ Required)

- Solder nail option
- Other sizes
- Other platings
- Contact Samtec.

OTHER SOLUTIONS

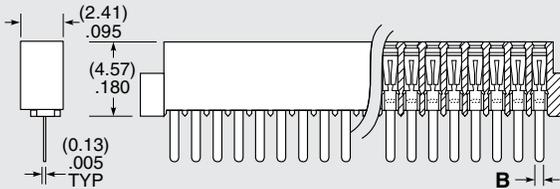
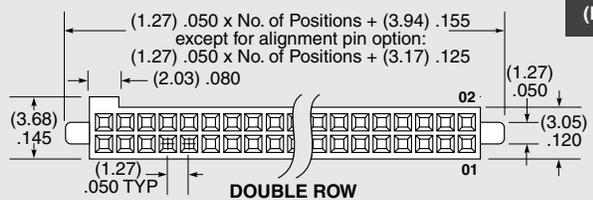
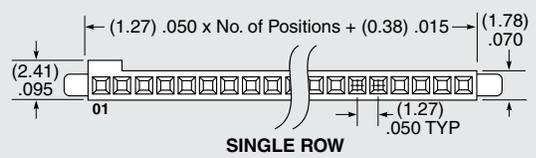
- Lower cost plating options. See SFC Series.

PLATING OPTION

-L

= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail (Call Samtec for E.L.P.™ plating option)

LEAD STYLE	A	B
-01, -L1, -T1	(3.05) .120	(0.51) .020
-03, -L3	(1.91) .075	(0.41) .016



ROW OPTION

-S

= Single Row (SFM only)

-D

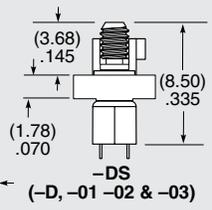
= Double Row

-SH

= Single Horizontal (05 thru 30 positions only) (SFM only) (Lead style -02 only)

-DH

= Double Horizontal (05 thru 30 positions only) (SFM only) (Lead style -02 only)



OPTION

Specify only -A, -LC or -DS (Not available with -DH, -SH)

-A

= Alignment Pin (Available with all lead styles)

-LC

= Locking Clip (Available with all lead styles) (Manual placement required)

-DS

= Dual Screw Down for (1.60 mm) .062" PCB (05 thru 40 positions only) (Lead styles -01, -02 & -03 only) (Requires -D row option) (Not available with SFML) (Mates with TFM-DS option) (Not available with -A, -LC, -K, -P, -TR)

Specify only -K or -P (Lead styles -02, -L2, -T2 only)

-K

= Polyimide film Pick & Place Pad (Not available with -DH, -SH)

-P

= Plastic Pick & Place Pad (Not available with -DH, -SH)

Specify -TR last (Lead styles -02, -L2, -T2 only)

-TR

= Tape & Reel (Required callout for -DH, -SH)

