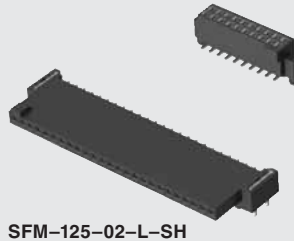


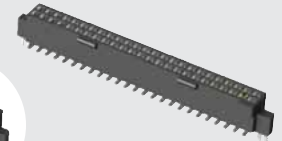


SFM-110-02-L-D-A

SFML-125-T2-L-D-LC



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 50µ" (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.
Insertion Force (SFM):
(Single contact only)
Standard= 2.5 oz (0.69 N) avg.;
LITE= 2.0 oz (0.56 N) avg.;
LIF= 1.4 oz (0.39 N) avg.
Withdrawal Force (SFM):
(Single contact only)
Standard= 2.0 oz (0.56 N) avg.;
LITE= 1.5 oz (0.42 N) avg.;
LIF= 1.0 oz (0.28 N) avg.
Max Cycles:
10,000 with 30µ" (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



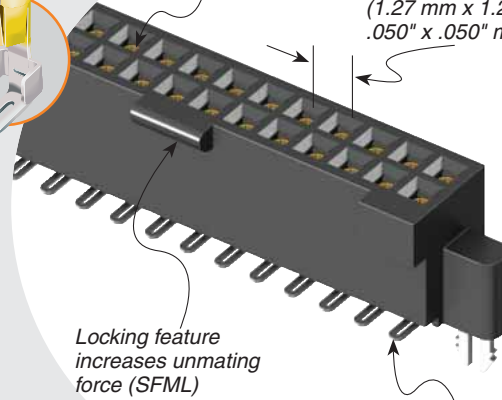
SFM Mates with:
TFM, TFS, TFSS

SFML Mates with:
TFML



Low insertion force
Tiger Eye™ contacts available

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



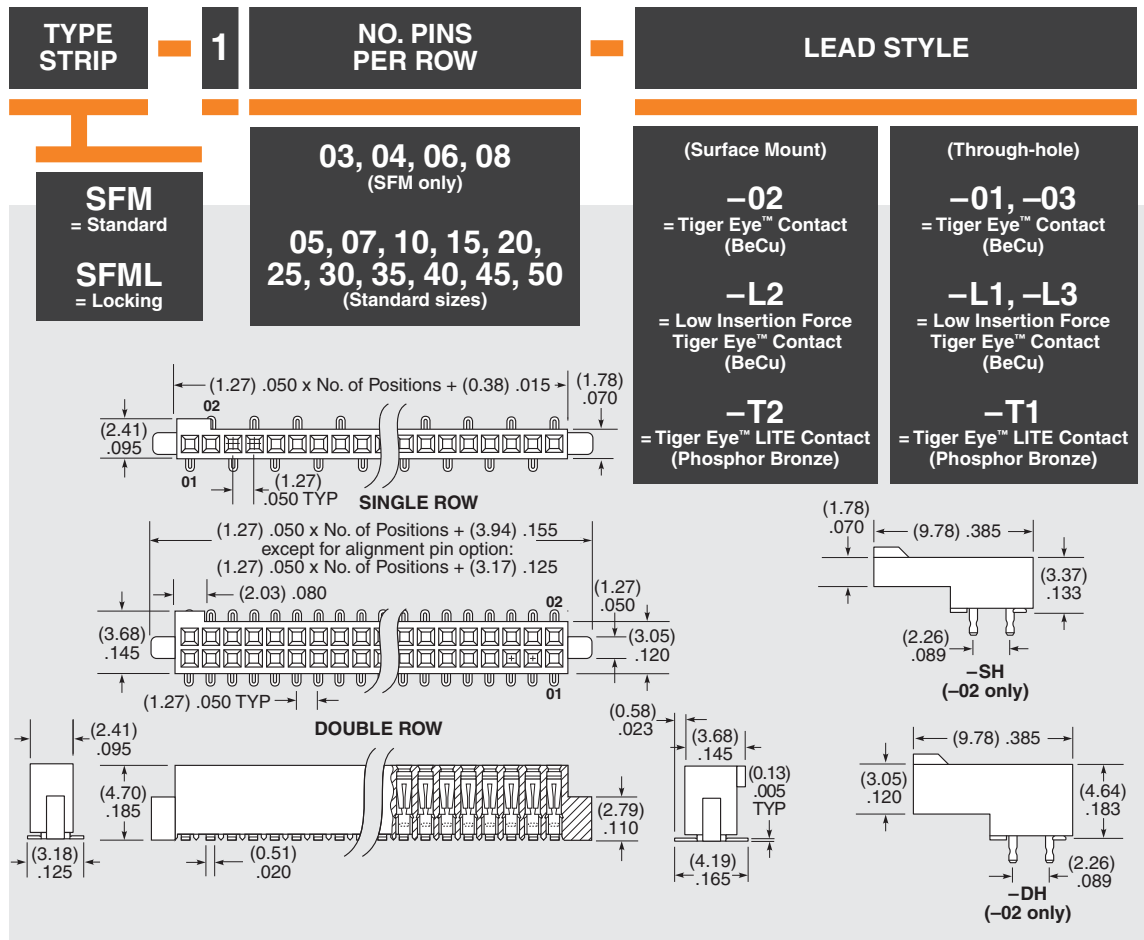
Locking feature
increases unmating
force (SFML)



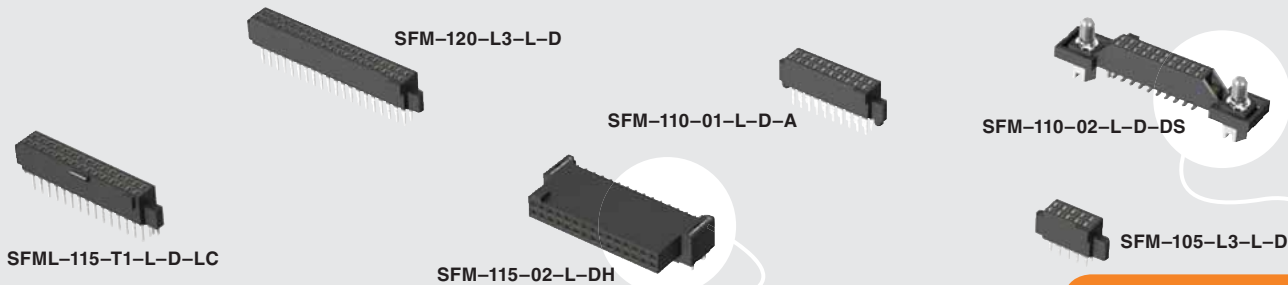
RUGGEDIZED
BY SAMTEC

- Passes 10 Year MFG
- Locking option
- Locking clip option
- Screw Down option

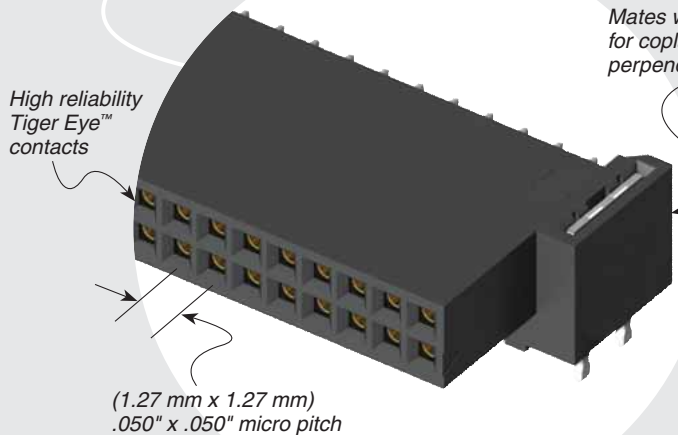
Choice of SMT or
through-hole tails



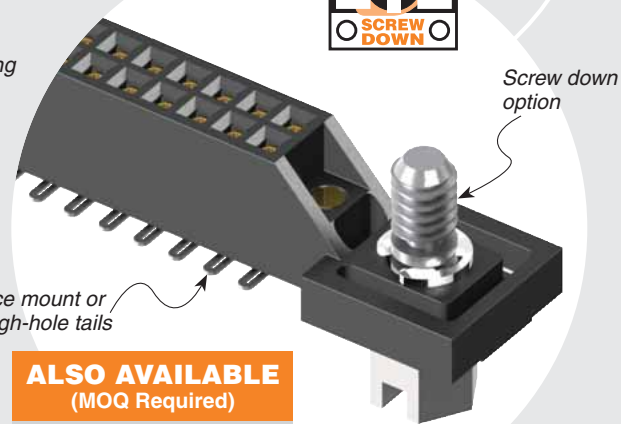
Note: Some sizes, styles and options are non-standard, non-returnable.



SFM, SFML SERIES



Mates with TFM for coplanar and perpendicular mating



ALSO AVAILABLE (MOQ Required)

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

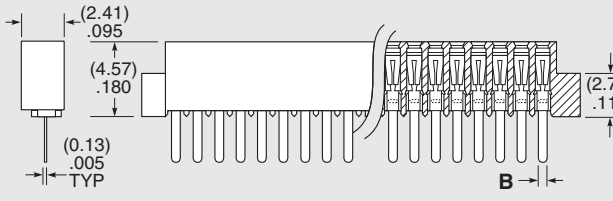
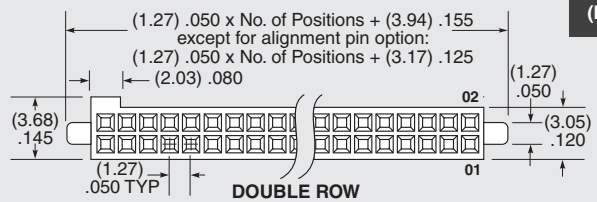
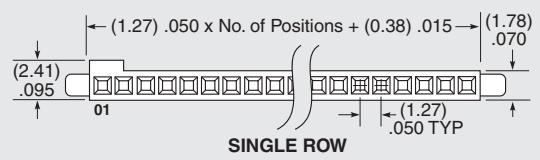
OTHER SOLUTIONS

- Lower cost plating options. See SFC Series.

PLATING OPTION

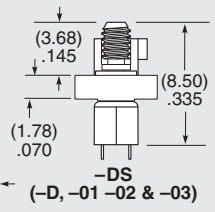
-L
= 10µ" (0.25 µm) Gold on contact, Matte Tin on tail (Call Samtec for E.L.P.™ plating option)

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)

