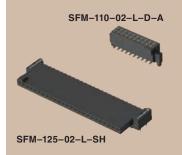
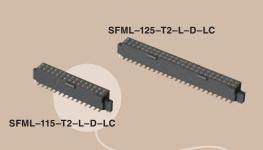


(1,27 mm) .050" SFM, SFML SERIES







1,000 cycles when mated with TFM

SMT & THROUGH-HOLE TIGER EYE™ SOCKET

SPECIFICATIONS

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

FILE NO. E111594

(SP

Insulator Material: Insulator Material:
Black Liquid
Crystal Polymer
Contact Material:
Tiger Eye™= BeCu
Tiger Eye™ LITE= Phosphor Bronze Plating:

Au or Šn over 50μ" (1,27 μm) Ni Voltage Rating: 350 VAC mated with TFM Operating Temp Range: -55°C to +125°C Contact Resistance:

15 m Ω Insertion Depth: (3,05 mm) .120" to (4,06 mm) .160" (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):
(Sizele content explicit 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)

(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. Insertion Force (SFML): (Single contact only) 2.5 oz (0,69 N) avg.

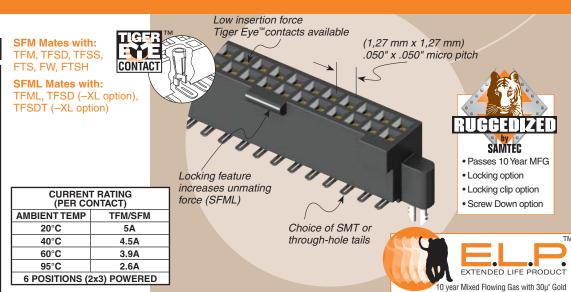
Unmating Force (SFML): Withdrawal force per contact (Single contact only)= 1.5 oz (0,42 N) average; Incremental unmating force with friction locks: 10-20 pins/row (One Lock) increases withdrawal force by 4 x average; 25 & 30 pins/row (Two Locks) increases withdrawal force by 3 x average; 35-50 pins/row (Three Locks) increases withdrawal force by 1.7 x average

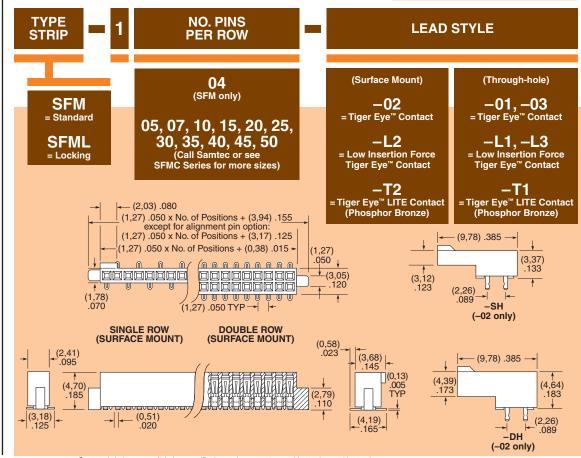
Max Cycles: 10,000 with 30µ" (0,76 µm) Au (Call Samtec for E.L.P. plating option)
RoHS Compliant:

Processing: Lead-Free Solderable:

SMT Lead Coplanarity: (0,10 mm) .004" max (05-25) (0,15 mm) .006" max (30-50)

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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