

SFMX SERIES

(1.27 mm) .050"

FLEX LOCK/LATCH SOCKET STRIP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SFMX

Insulator Material: Black Liquid Crystal Polymer

Contact Material: Phosphor Bronze

Plating: Au over 50 μm (1.27 μm) Ni

Operating Temp Range: -55 °C to +125 °C

Insertion Depth: (3.05 mm) .120" to (4.06 mm) .160"

Unmating Force: Withdrawal force per contact: 2.0 oz (0.57 N) avg; Incremental unmating force with latching mechanism: 10 & 15 pins/row (One Latch) increases withdrawal force by 4 x avg; 20-30 pins/row (Two Latches) increases withdrawal force by 3 x avg; 35-50 pins/row (Three Latches) increases withdrawal force by 1.7 x avg

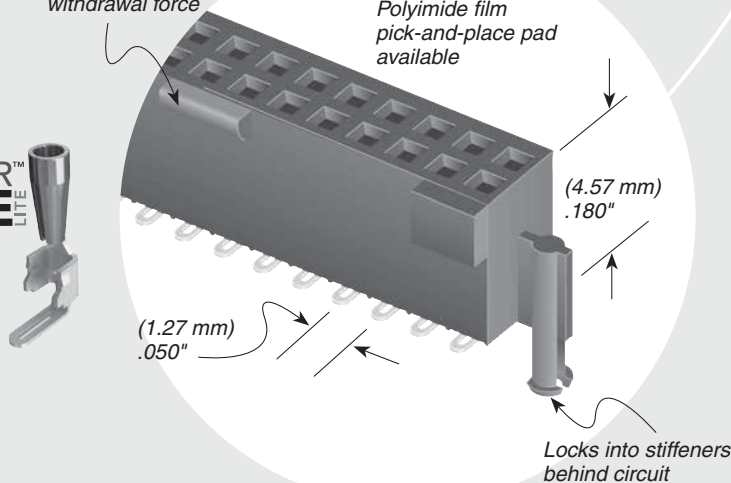
RoHS Compliant: Yes

Mates with: TFML



Latching feature increases withdrawal force

Polyimide film pick-and-place pad available



PROCESSING

Lead-Free Solderable: Yes

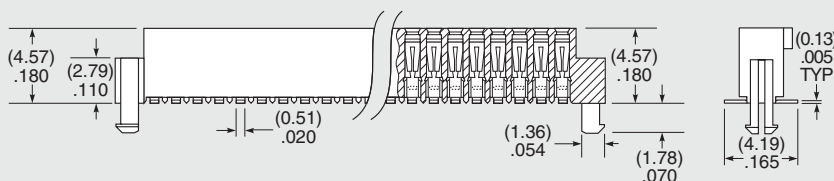
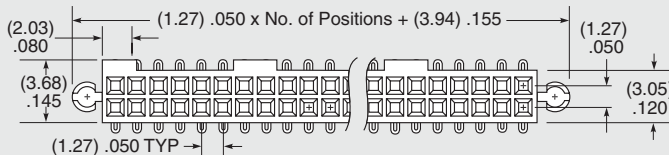
SMT Lead Coplanarity: (0.10 mm) .004" max (10-25) (0.15 mm) .006" max (30-50)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTION
SFMX = Latching Flex Lock		10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)	-T2 = Tiger Eye™ LITE Contact	-S = 30 μm (0.76 μm) Gold on contact, Matte Tin on tail		-K = (4.00 mm) .157" DIA Polyimide film Pick & Place Pad -TR = Tape & Reel



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.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.