

**SFMX SERIES**

(1.27 mm) .050"

# FLEX LOCK/LATCH SOCKET STRIP

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?SFMX](http://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"

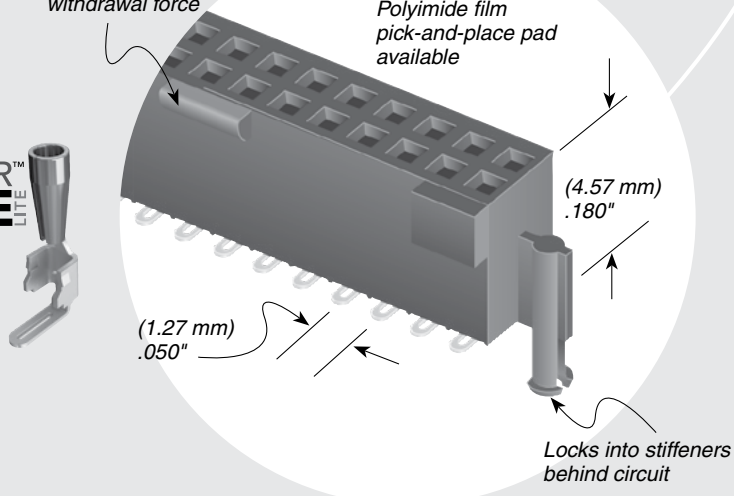
**Unmating Force:** Withdrawal force per contact: 2.0 oz (0.57 N) avg; Incremental unmating force with latching mechanism: 10 & 15 pins/row (One Latch) increases withdrawal force by 4 x avg; 20-30 pins/row (Two Latches) increases withdrawal force by 3 x avg; 35-50 pins/row (Three Latches) increases withdrawal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

**RoHS Compliant:** Yes

**Mates with:** TFML

Latching feature increases withdrawal force

Polyimide film pick-and-place pad available



Locks into stiffeners behind circuit

**PROCESSING**

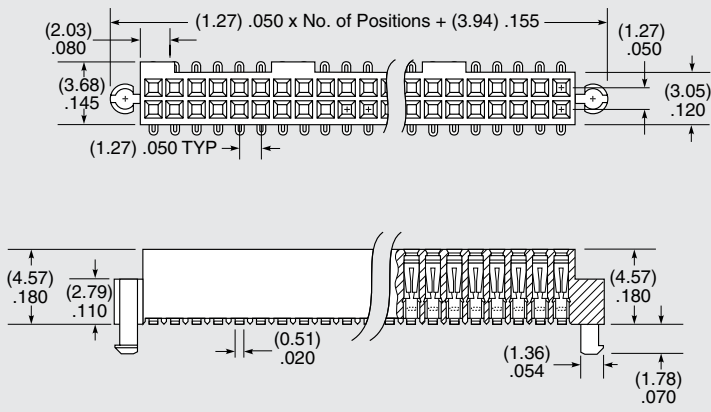
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.10 mm) .004" max (10-25) (0.15 mm) .006" max (30-50)\*  
 \*(.004" stencil solution may be available; contact IPG@samtec.com)

**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



<b>TYPE STRIP</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>OPTION</b>
<b>SFMX</b> = Latching Flex Lock		<b>10, 15, 20, 25, 30, 35, 40, 45, 50</b> (Standard sizes)	<b>-T2</b> = Tiger Eye™ LITE Contact	<b>-S</b> = 30 μm (0.76 μm) Gold on contact, Matte Tin on tail		<b>-K</b> = (4.00 mm) .157" DIA Polyimide film Pick & Place Pad  <b>-TR</b> = Tape & Reel  <b>-FR</b> = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



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