



(1,27 mm) .050"

SFLX, SFMX SERIES

SFLX-125-T2-S-D

SFMX-115-T2-S-D

SFMX-135-T2-S-D-K

FLEX LOCK/LATCH SOCKET STRIP

SPECIFICATIONS

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

Insulator Material:
Black Liquid Crystal Polymer

Contact Material:
Phosphor Bronze

Plating:
Au over 50µ" (1,27 µm) Ni

Current Rating:
2A per contact

Operating Temp Range:
-55°C to +125°C

Contact Resistance:
15 mΩ

Insertion Depth:
(3,05 mm) .120" to
(4,06 mm) .160"

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

Withdrawal Force:
(Single contact only)
2.0 oz (0,57 N) avg.

SFMX 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

Processing:

Lead-Free Solderable:
Yes

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

Mates with:
TFML, TFM (SFLX only),
FTSH



Latching feature increases withdrawal force

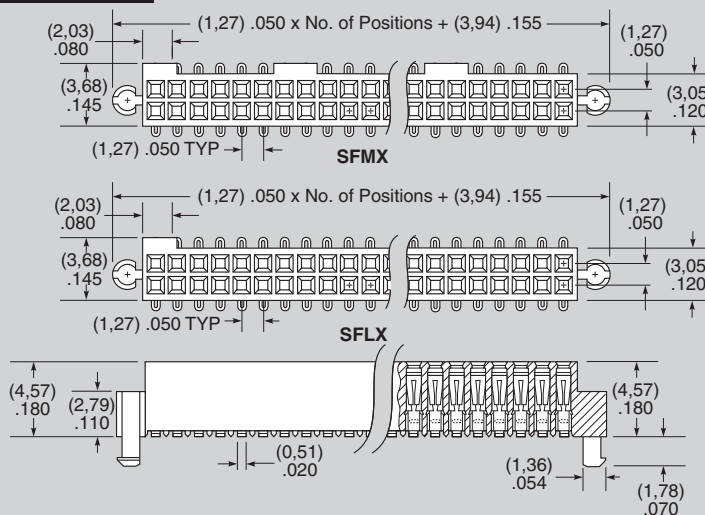
Polyimide film pick-and-place pad available

(1,27 mm)
.050"

(4,57 mm)
.180"

Locks into stiffeners behind circuit

TYPE STRIP	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTION
SFLX = Flex Lock (No latch)		10, 15, 20, 25, 30, 35, 40, 45, 50 (Call Samtec for other sizes)	-T2 = Tiger Eye™ LITE Contact	-S = 30µ" (0,76 µm) Gold on contact, Matte Tin on tail		-K = (4,00 mm) .157" DIA Polyimide film Pick & Place Pad
SFMX = Latching Flex Lock						-P = Plastic Pick & Place Pad (SFLX only)
						-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.