



Surface
SMT
Mount

.050" x .050" SOCKETS FOLC SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?FOLC

Insulator Material:
Black Liquid Crystal Polymer



Contact Material: BeCu

Current Rating:
1A @ 80°C ambient

Operating Temp Range:
-65°C to +125°C

Plating:

Au or Sn over

50μ" (1,27μm) Ni

Contact Resistance:

15 mΩ max

Insertion Depth:

(3,30mm) .130" to

(4,06mm) .160"

Insertion Force:

Standard= 5.0oz (1,39N) avg;

LIF= 2.0oz (0,56N) avg.

Normal Force:

Standard= 70 grams

(0,69N) avg; LIF= 40 grams

(0,39N) avg.

Withdrawal Force:

Standard= 4oz (1,11N) avg;

LIF= 1.5oz (0,42N) avg.

Max Cycles:

100 with 10μ" (2,54μm) Au

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

Mates with:
MOLC



Low Insertion Force contacts available

High reliability Tiger-Eye contacts

OPTIONS

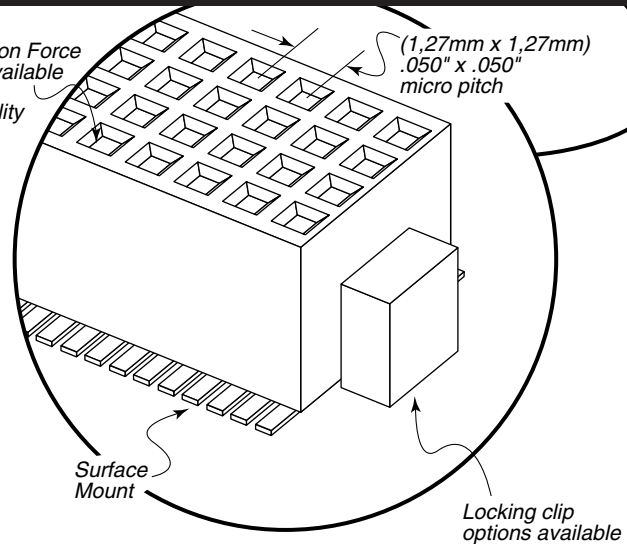
-LC OPTION

-P OPTION

APPLICATION SPECIFIC OPTION

Alignment pins available.
Call Samtec.

4
ROW



FOLC

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

Q

OPTION

20, 25, 30, 35,
40, 45, 50
(Call Samtec for other sizes)

-02
= Surface Mount

-L2
= Low Insertion Force Surface Mount

-S
= 30μ" (0,76μm) Gold contact, Tin tail

-LC
= Locking Clip

-K

(Best Cost Option)
= (6,75mm) .266" DIA Polyamide film Pick & Place Pad

-P

= Plastic Pick & Place Pad

-TR

= Tape & Reel

Processing:

Max Processing Temp:

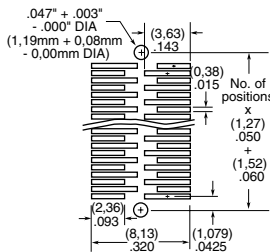
230°C for 60 seconds

SMT Lead Coplanarity:

(0,15mm) .006" max

Suggested PCB Layouts:

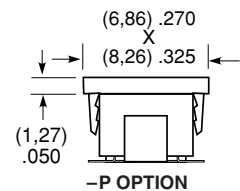
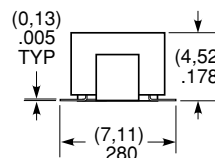
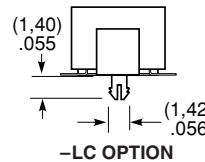
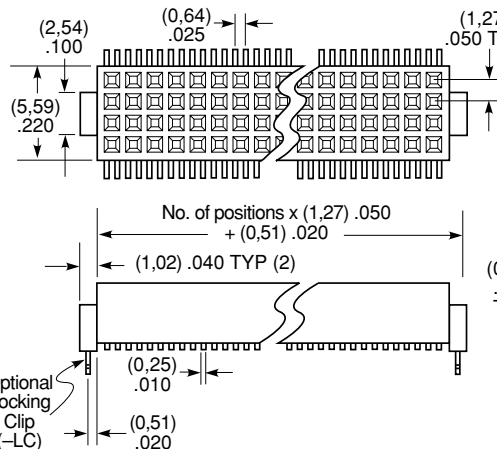
For reference only. Please contact Samtec or go to www.samtec.com?FOLC for recommended PCB layout.



TAPE & REEL AVAILABILITY

No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications and ordering information.



Due to technical progress, all designs, specifications and components are subject to change without notice.

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