

Samtec

**MOLD-TO-POSITION
PRODUCT**

 Minimums or set-up charges
may apply. Call Samtec.


FOLC-125-02-S-Q-LC

FOLC-120-02-S-Q-P

FOLC-120-02-S-Q

 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:

-55°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

 Mates with:
MOLC

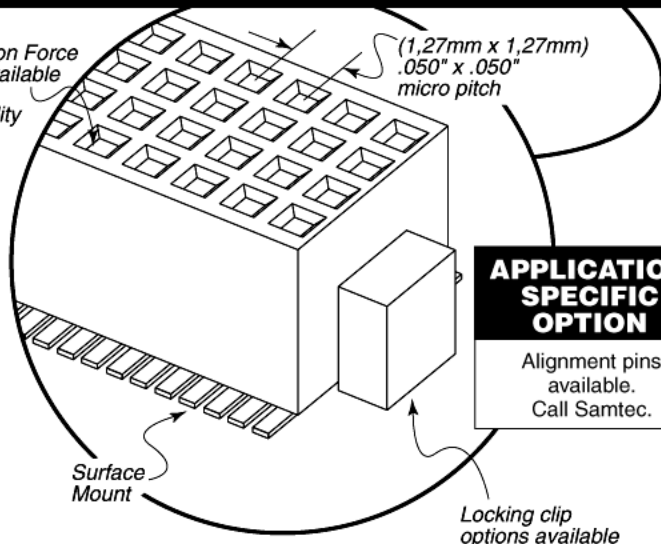
 Low Insertion Force
contacts available

 High reliability
Tiger-Eye
contacts

IMPORTANT NOTE

 See also ROLC Series for possible
design enhancements, rugged
features and/or cost savings

4
 ROW

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


FOLC

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

Q

OPTION

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

 -02
= Surface Mount

 -L2
= Low Insertion
Force Surface
Mount

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

 -LC
= Locking Clip

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

 -P
= Plastic Pick &
Place Pad

 -TR
= Tape & Reel

Processing:

Max Processing Temp:

 230°C for 60 seconds, or
260°C for 20 seconds 3x
with Matte Sn plating

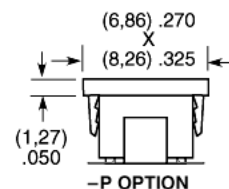
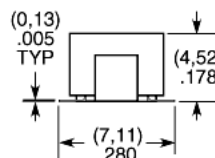
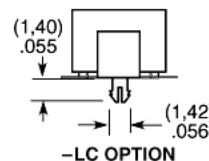
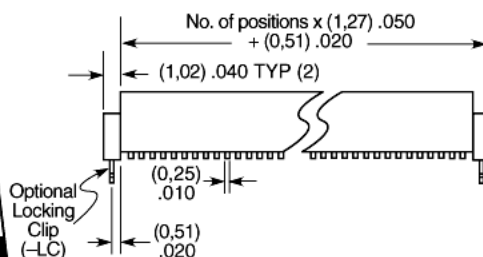
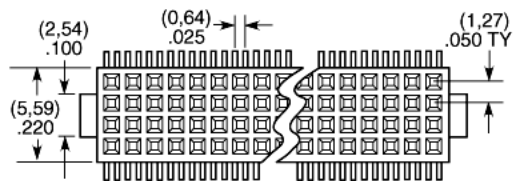
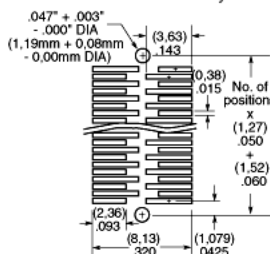
Lead-Free Solderable:

Yes, with Matte Sn plating

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.

WWW.SAMTEC.COM

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