



FOLC-125-01-S-Q-LC

FOLC-120-04-S-Q

FOLC-120-01-P-Q



.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, PdNi or Sn

over 50µ" (1,27µm) Ni

Contact Resistance:

15 mΩ max

Insertion Depth:

(3,30mm) .130" to

(4,06mm) .160"

Insertion Force:

(Single contact only)

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:

(Single contact only)

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

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

Max Cycles:

100 with 30µ" (0,76µm) Au



APPLICATION SPECIFIC OPTION

Alignment pins available.
Call Samtec.

Mates with:
MOLC

Low Insertion Force
contacts available

High reliability
Tiger-Eye
contacts

(1,27mm) .050" x
(1,27mm) .050"
micro pitch



Through-Hole

Locking clip
options available

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

FOLC

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NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

Q

OPTION

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

-01 & -04
= Through-Hole

-M1 & -M2
= Mixed Technology

-L1 & -L4
= Low Insertion Force
Through-Hole

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

-P
= Gold flash over
30µ" (0,76µm)
PdNi on contact,
Tin on tail
(-01 & -04 only)

-LC
= Locking
Clip

Processing:

Max Processing Temp:

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

Lead-Free Solderable:

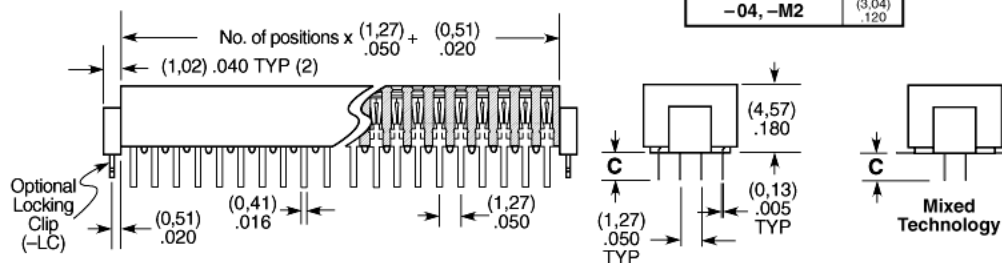
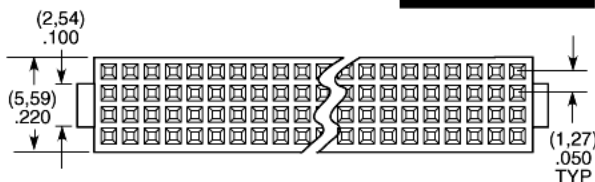
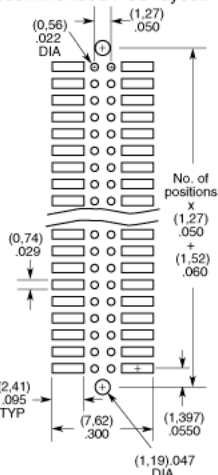
Yes, with Matte Sn

SMT Lead Coplanarity:

(0,15mm) .006" max

Suggested PCB Layouts:

For reference only. Go to
www.samtec.com?FOLC
for recommended PCB layout.



LEAD STYLE	C
-01, -M1	(1,91) .075
-04, -M2	(3,04) .120

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

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