

FOLC-120-01-P-Q

Through  
**T/H**  
Hole

**SMT**  
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# .050" x .050" SOCKETS FOLC SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?FOLC](http://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, 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

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

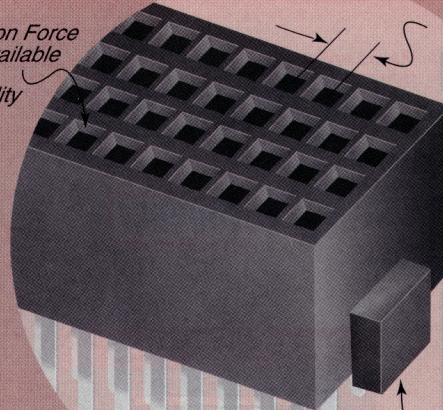
Mates with:  
**MOLC**



Low Insertion Force contacts available

High reliability Tiger-Eye contacts

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



## APPLICATION SPECIFIC OPTION

Alignment pins available. Call Samtec.

Through-Hole

Locking clip options available

**FOLC**

**1**

**NO. PINS PER ROW**

**LEAD STYLE**

**PLATING 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  
= 30µ" (0,76µm) Gold contact, Tin tail

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

-LC  
= Locking Clip

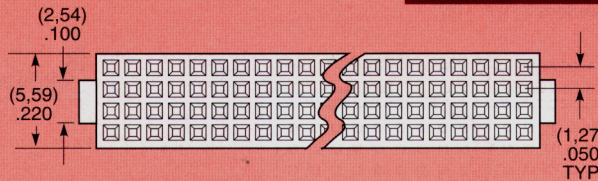
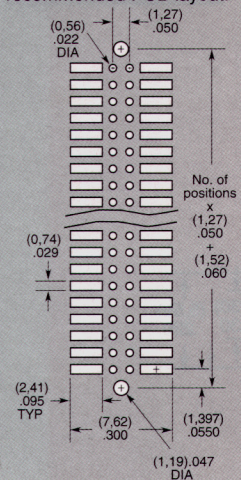
## Processing:

**Max Processing Temp:** 230°C for 60 seconds

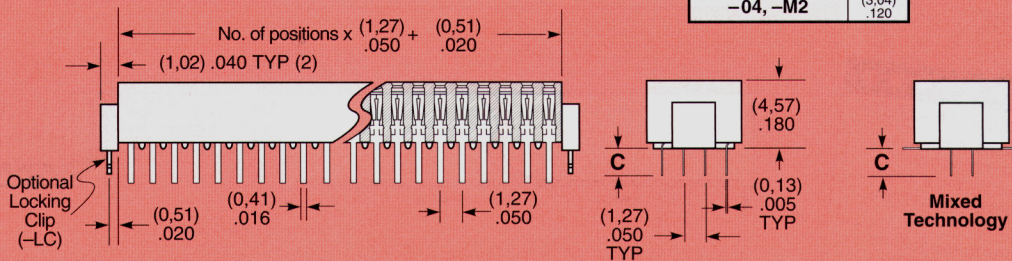
**SMT Lead Coplanarity:** (0,15mm) .006" max

**Suggested PCB Layouts:** For reference only. Please contact Samtec or go to [www.samtec.com?FOLC](http://www.samtec.com?FOLC) for recommended PCB layout.

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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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)