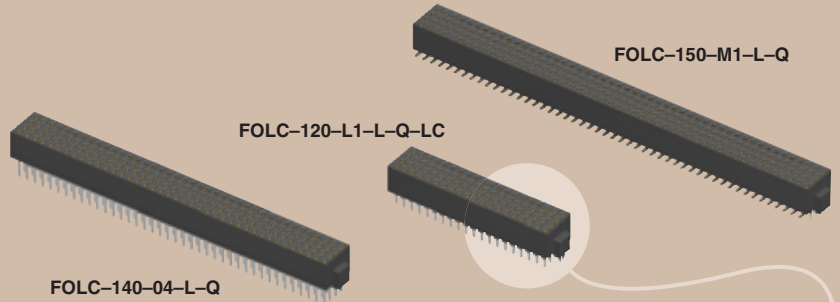




(1,27mm) .050"

FOLC SERIES



# HIGH DENSITY TIGER EYE™ SOCKETS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts 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:**

-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:**

(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

**RoHS Compliant:**

Yes

**Processing:**

**Max Processing Temp:**

230°C for 60 seconds, or 260°C for 20 seconds 3x

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

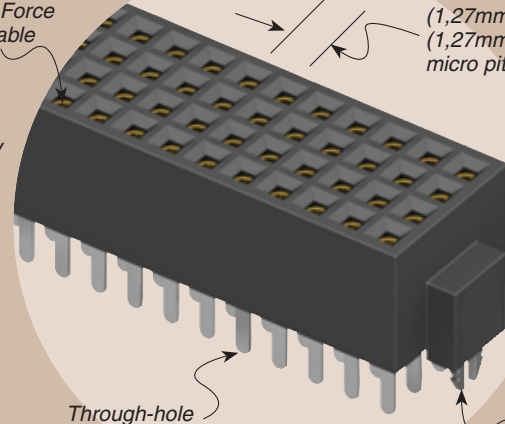
(0,15mm) .006" max

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

### APPLICATION SPECIFIC OPTION

Alignment pins available. Call Samtec.

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

-L  
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

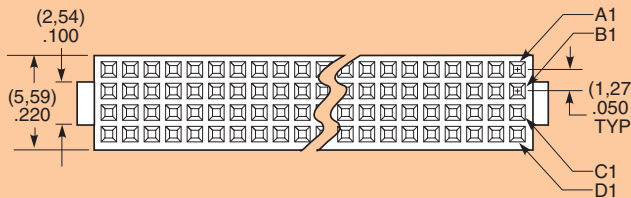
-LC  
= Locking Clip

## ALSO AVAILABLE

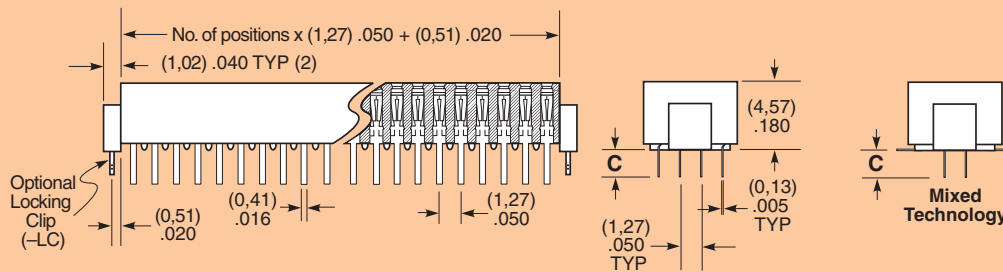
- For surface mount with Tiger Eye™ contact, see [www.samtec.com?ROLC](http://www.samtec.com?ROLC)
- Also see TOLC/SOLC Series for surface mount design with Tiger Buy contacts.

**Note:** Other Gold plating options available. Contact Samtec.

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



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)