

(1.27 mm) .050"

FOLC SERIES

# QUAD ROW 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

### Plating:

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating:

2.6 A per pin

(4 pins powered)

### Voltage Rating:

165 VAC/230 VDC

### Operating Temp Range:

-55 °C to +125 °C

### Insertion Depth:

(3.30 mm) .130" to

(4.06 mm) .160"

### Normal Force:

Standard= 70 grams

(0.69 N) avg.

LIF= 40 grams (0.39 N) avg.

### Max Cycles:

100 with 30  $\mu$ " (0.76  $\mu$ m) Au

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.15 mm) .006" max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## OTHER SOLUTIONS

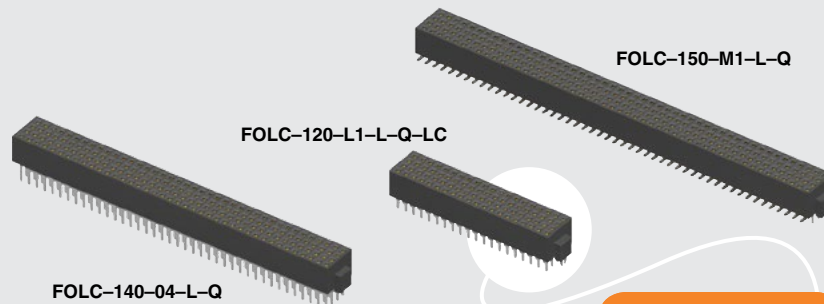
- Surface mount design with Tiger Buy™ contacts (see TOLC/SOLC Series)

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

**Mates with:**  
MOLC

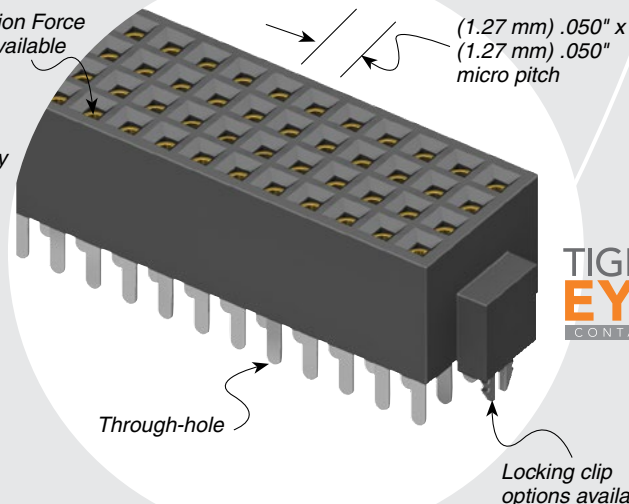
## ALSO AVAILABLE (MOQ Required)

- Other sizes
- Alignment pins
- Other platings
- Contact Samtec.



Low Insertion Force contacts available

High-reliability Tiger Eye™ contacts



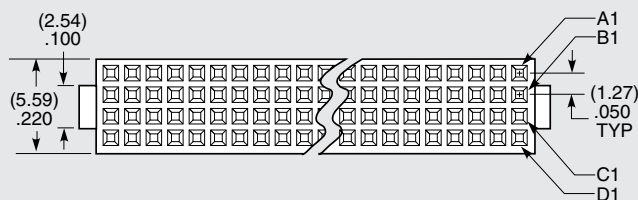
(1.27 mm) .050" x  
(1.27 mm) .050"  
micro pitch

**TIGER EYE**  
CONTACT

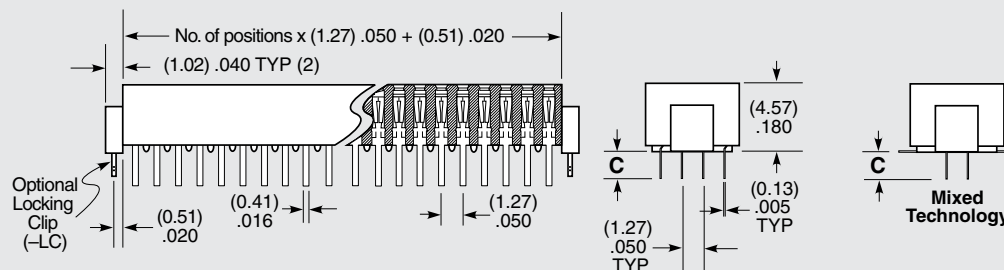
Through-hole

Locking clip options available

FOLC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	Q	OPTION
			-01 & -04 = Through-hole -M1 & -M2 = Mixed Technology -L1 & -L4 = Low Insertion Force Through-hole	-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail		-LC = Locking Clip (Manual placement required)
		20, 25, 30, 35, 40, 45, 50 (Standard sizes)				



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)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.