

**FOLC SERIES**

**(1.27 mm) .050"**

# 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 μ" (1.27 μm) 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

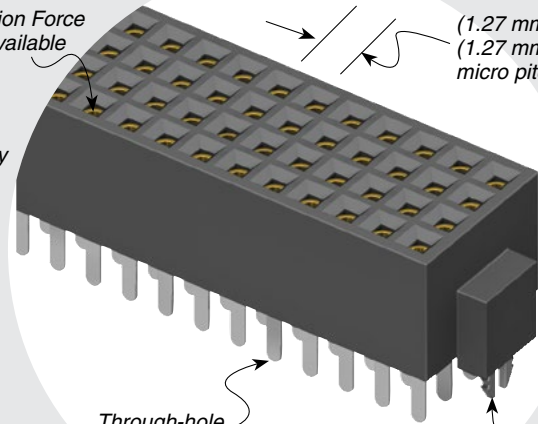
**RoHS Compliant:** Yes

**Mates with:** MOLC

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

## ALSO AVAILABLE (MOQ Required)

- Other sizes
- Alignment pins
- Other platings

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**8**  
Gbps

## PROCESSING

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:** (0.15 mm) .006" max\*  
 \*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

## RECOGNITIONS

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



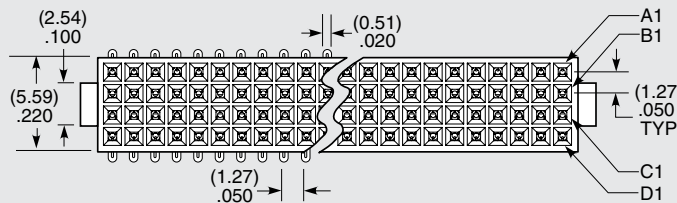
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## OTHER SOLUTIONS

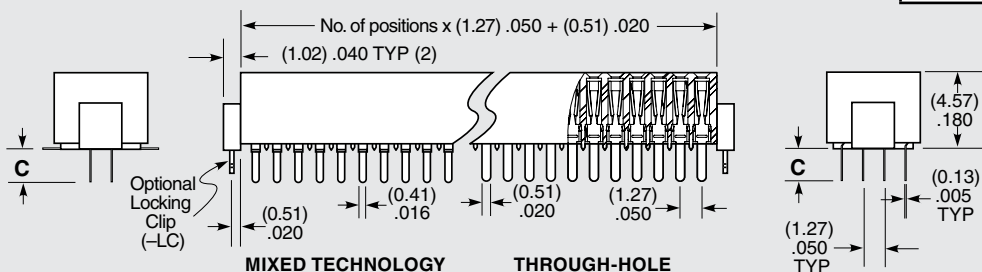
- Surface mount design with Tiger Buy™ contacts (see TOLC/SOLC Series)

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

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



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.

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