

FOLC SERIES

(1.27 mm) .050"

QUAD ROW TIGER EYE™ SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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:

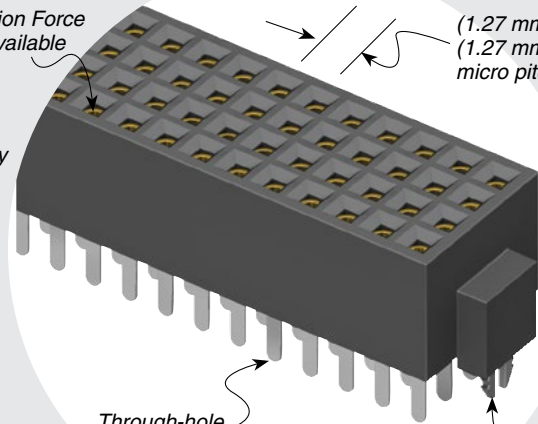
Yes

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 or contact 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)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



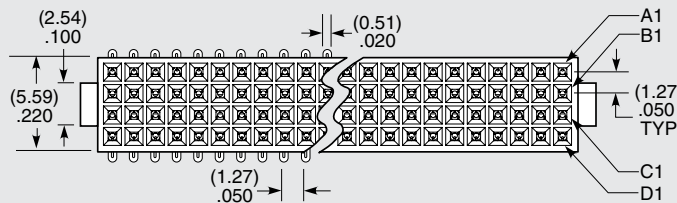
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OTHER SOLUTIONS

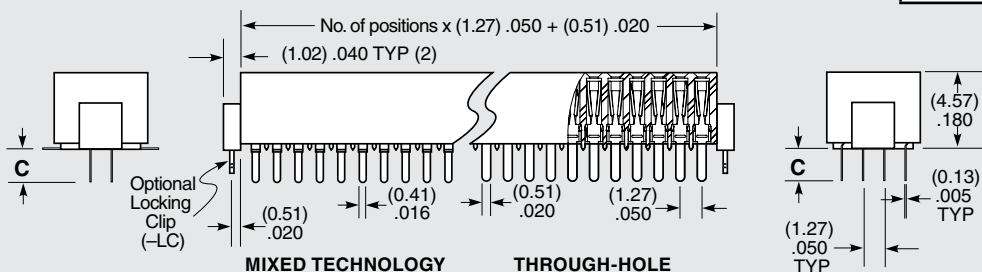
- Surface mount design with Tiger Buy™ contacts (see TOLC/SOLC Series)

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

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

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.