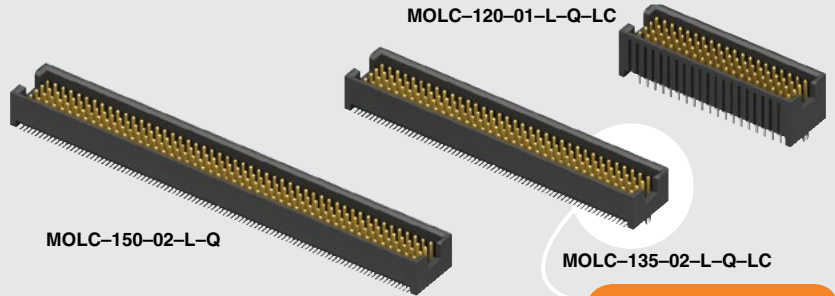


MOLC-120-01-L-Q-LC



MOLC-135-02-L-Q-LC

MOLC SERIES

(1.27 mm) .050"

QUAD ROW TERMINAL STRIP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MOLC

Insulator Material: Black Liquid Crystal Polymer
Terminal Material: Phosphor Bronze

Plating: Au or Sn over 50 μ" (1.27 μm) Ni
Current Rating: 3.8 A per pin (4 pins powered)

Voltage Rating: 165 VAC/230 VDC

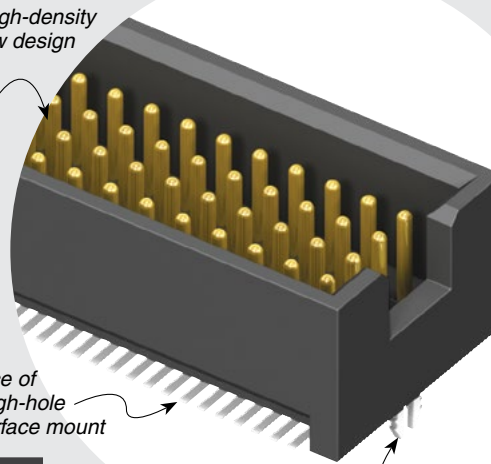
Operating Temp Range: -55 °C to +125 °C

RoHS Compliant: Yes

Mates with: FOLC

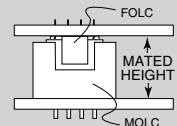
Ultra high-density four row design

Choice of through-hole or surface mount



Locking clip option

APPLICATIONS



LEAD STYLE	MATED HEIGHT*
MOLC FOLC	
-01	(5.97) .235
-11	(7.75) .305
-31	(11.43) .450

*Processing conditions will affect mated height.

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: (0.10 mm) .004" max (20-25) (0.15 mm) .006" max (30-50)*
 *(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



FILE NO. E111594

OTHER SOLUTIONS

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

ALSO AVAILABLE (MOQ Required)

- Other sizes
- Alignment pins
- Other platings

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

MOLC

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

Q

OPTION

20, 25, 30, 35, 40, 45, 50
(Standard sizes)

MIXED TECHNOLOGY

(5.59) .220 (3.38) .133

LEAD STYLE	A	B
-01	(5.59) .220	(3.38) .133
-11	(7.34) .289	(3.66) .144
-31	(11.05) .435	

THROUGH-HOLE

(2.59) .102 (8.13) .320 (0.25) .010 (1.90) .075

-X1
= Through-hole (Specify from chart)

-02
= Surface Mount

-M1
= Mixed Technology

-L
= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail

-LC
= Locking Clip (Manual placement required)

-P
= Pick & Place Pad (-02 only)

-TR
= Tape & Reel (-02 only)

MIXED TECHNOLOGY

No. of positions x (1.27) .050 + (2.54) .100
 No. of positions x (1.27) .050 + (0.76) .030

(3.05) .120 (1.40) .055 (6.35) .250 (1.42) .056

(1.27) .050 TYP (0.46) .018 DIA TYP (1.27) .050 TYP

-LC OPTION

(2.59) .102 (8.26) .325 (3.30) .130

SURFACE MOUNT

(0.64) .025 (0.25) .010 TYP (0.36) .014 TYP

Through-hole = No. of positions x (1.27) .050 + (1.65) .065
 Surface Mount = No. of positions x (1.27) .050 + (1.52) .060

Optional Locking Clip (-LC)

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.

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