

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 μ m) 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

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



OTHER SOLUTIONS

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

ALSO AVAILABLE (MOQ Required)

- Other sizes
- Alignment pins
- Other platings

Mates with:
FOLC

Ultra high-density
four row design

Choice of
through-hole
or surface mount

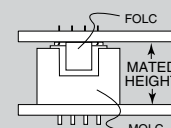
Locking clip option

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

APPLICATIONS



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

*Processing conditions will affect mated height.

MOLC

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

Q

OPTION

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

-X'1
= Through-hole
(Specify from chart)

-02
= Surface Mount

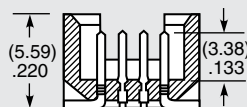
-M1
= Mixed Technology

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

-LC
= Locking
Clip
(Manual
placement
required)

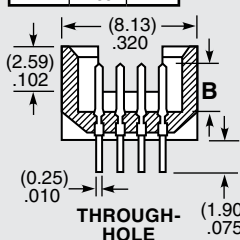
-P
= Pick &
Place Pad
(-02 only)

-TR
= Tape &
Reel
(-02 only)

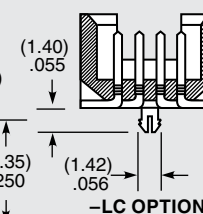
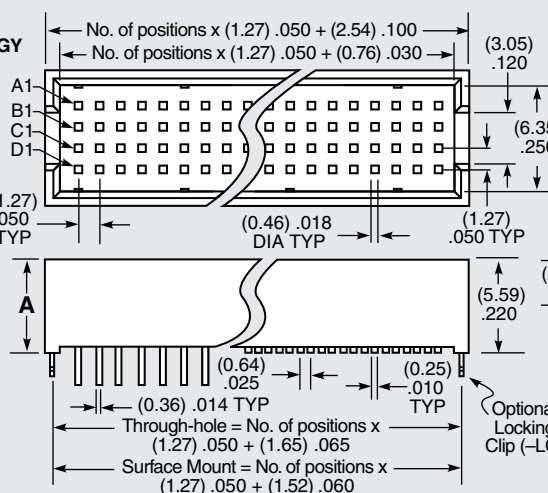


MIXED TECHNOLOGY

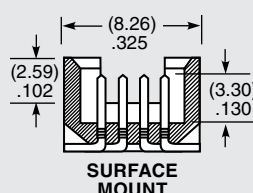
LEAD STYLE	A	B
-01	(5.59) .220	(3.38) .133
-11	(7.34) .289	(3.66) .144
-31	(11.05) .435	



THROUGH-HOLE



-LC OPTION



SURFACE MOUNT

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

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[MOLC-125-31-S-Q-LC](#) [MOLC-110-01-S-Q-LC](#) [MOLC-110-01-S-Q](#) [MOLC-125-01-S-Q-LC](#) [MOLC-120-31-S-Q](#)
[MOLC-150-02-S-Q-LC](#) [MOLC-120-31-S-Q-LC](#) [MOLC-120-01-S-Q-LC](#) [MOLC-120-11-S-Q-LC](#) [MOLC-130-31-S-Q-LC](#)
[MOLC-125-01-S-Q](#) [MOLC-130-01-S-Q](#) [MOLC-135-11-S-Q](#) [MOLC-140-11-S-Q](#) [MOLC-140-31-S-Q-LC](#) [MOLC-145-](#)
[M1-S-Q-LC](#) [MOLC-150-01-S-Q](#) [MOLC-145-31-S-Q-LC](#) [MOLC-120-02-S-Q-P-TR](#) [MOLC-125-11-S-Q](#) [MOLC-125-31-](#)
[S-Q](#) [MOLC-130-31-S-Q](#) [MOLC-135-61-S-Q-LC](#) [MOLC-145-02-S-Q-P](#) [MOLC-145-02-S-Q-P-TR](#) [MOLC-150-31-S-Q](#)
[MOLC-150-61-S-Q](#) [MOLC-105-02-S-Q-LC](#) [MOLC-105-11-S-Q-LC](#) [MOLC-120-02-S-Q-LC-P](#) [MOLC-120-02-S-Q-LC-P-](#)
[TR](#) [MOLC-125-02-S-Q-P-TR](#) [MOLC-125-11-S-Q-LC](#) [MOLC-130-M1-S-Q-LC](#) [MOLC-140-01-S-Q-LC](#) [MOLC-140-02-S-](#)
[Q](#) [MOLC-145-02-S-Q-LC-P](#) [MOLC-150-11-S-Q-LC](#) [MOLC-150-31-S-Q-LC](#) [MOLC-150-61-S-Q-LC](#) [MOLC-130-11-S-](#)
[Q-LC](#) [MOLC-130-M1-S-Q](#) [MOLC-140-01-S-Q](#) [MOLC-145-02-S-Q-LC](#) [MOLC-115-02-S-Q](#) [MOLC-115-02-S-Q-P](#)
[MOLC-115-11-S-Q-LC](#) [MOLC-120-M1-S-Q-LC](#) [MOLC-130-02-S-Q-LC](#) [MOLC-140-02-S-Q-TR](#) [MOLC-150-02-S-Q](#)
[MOLC-125-02-S-Q-LC](#) [MOLC-130-02-S-Q-LC-P](#) [MOLC-135-02-S-Q-LC](#) [MOLC-135-61-S-Q](#) [MOLC-140-02-S-Q-P](#)
[MOLC-150-02-S-Q-P](#) [MOLC-150-M1-S-Q](#) [MOLC-135-31-S-Q-LC](#) [MOLC-140-02-S-Q-LC-P](#) [MOLC-145-31-S-Q](#)
[MOLC-150-11-S-Q](#) [MOLC-150-M1-S-Q-LC](#) [MOLC-115-01-S-Q](#) [MOLC-120-01-S-Q](#) [MOLC-120-02-S-Q](#) [MOLC-120-](#)
[02-S-Q-TR](#) [MOLC-125-02-S-Q-LC-P-TR](#) [MOLC-130-02-S-Q-P-TR](#) [MOLC-135-31-S-Q](#) [MOLC-140-02-S-Q-LC](#) [MOLC-](#)
[140-61-S-Q](#) [MOLC-130-02-S-Q](#) [MOLC-135-02-S-Q-P](#) [MOLC-135-02-S-Q-P-TR](#) [MOLC-135-02-S-Q-TR](#) [MOLC-140-](#)
[11-S-Q-LC](#) [MOLC-140-31-S-Q](#) [MOLC-150-01-S-Q-LC](#) [MOLC-125-61-S-Q-LC](#) [MOLC-125-M1-S-Q-LC](#) [MOLC-135-01-](#)
[S-Q-LC](#) [MOLC-145-01-S-Q-LC](#) [MOLC-145-11-S-Q-LC](#) [MOLC-125-02-S-Q-P](#) [MOLC-125-M1-S-Q](#) [MOLC-135-11-S-Q-](#)
[LC](#) [MOLC-125-02-S-Q-TR](#) [MOLC-130-61-S-Q-LC](#) [MOLC-105-11-S-Q](#) [MOLC-135-02-S-Q-LC-TR](#) [MOLC-140-M1-S-](#)
[Q-LC](#) [MOLC-145-61-S-Q](#) [MOLC-145-M1-S-Q](#) [MOLC-150-02-S-Q-P-TR](#) [MOLC-105-M1-S-Q-LC](#) [MOLC-105-01-S-Q-](#)
[LC](#) [MOLC-105-02-S-Q](#) [MOLC-120-02-S-Q-P](#) [MOLC-110-02-S-Q-P](#)