

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

PROCESSING

- Lead-Free Solderable:** Yes
- SMT Lead Coplanarity:** (0.10 mm) .004" max (20-25) (0.15 mm) .006" max (30-50)

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
- Contact Samtec.

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

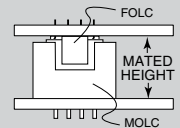
Mates with: **FOLC**

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.

MOLC

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NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

Q

OPTION

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

MIXED TECHNOLOGY

-X'1
= 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)

THROUGH-HOLE

LC OPTION

SURFACE MOUNT

LEAD STYLE TABLE:

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

Dimensions and Formulas:

- No. of positions x (1.27) .050 + (2.54) .100
- No. of positions x (1.27) .050 + (0.76) .030
- (0.46) .018 DIA TYP
- (1.27) .050 TYP
- (1.27) .050 + (1.65) .065
- Through-hole = No. of positions x (1.27) .050 + (1.65) .065
- Surface Mount = No. of positions x (1.27) .050 + (1.52) .060
- (0.64) .025
- (0.25) .010 TYP
- (0.36) .014 TYP
- (0.25) .010 TYP
- Optional Locking Clip (-LC)

Due to technical progress, all designs, specifications and components are subject to change without notice.