

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)*
- *(.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)

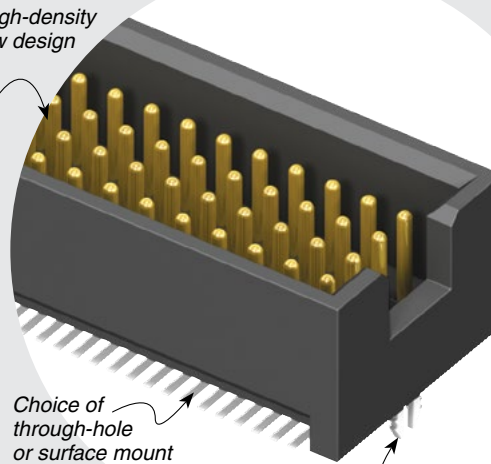
ALSO AVAILABLE (MOQ Required)

- Other sizes
- Alignment pins
- Other platings
- Contact Samtec.

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

Mates with: **FOLC**

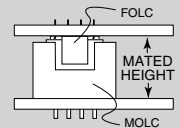
Ultra high-density four row design



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
1
NO. PINS PER ROW
LEAD STYLE
PLATING 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 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

(5.59) .220 (3.38) .133

THROUGH-HOLE

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

SURFACE MOUNT

(2.59) .102 (3.30) .130

-LC OPTION

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

OPTIONAL LOCKING CLIP (-LC)

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

LEAD STYLE DIMENSIONS

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

TERMINAL STRIP DIMENSIONS

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 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

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