



(1,27 mm) .050"

MOLC SERIES

MOLC-120-01-L-Q-LC

MOLC-150-02-L-Q

MOLC-135-02-L-Q-LC

# HIGH DENSITY HIGH RELIABILITY HEADERS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?MOLC](http://www.samtec.com?MOLC)

### Insulator Material:

Black Liquid  
Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Current Rating:

1A per contact

@ 80°C ambient

### 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)



Mates with:  
FOLC

## APPLICATION SPECIFIC OPTION

Alignment pins available.  
Call Samtec.

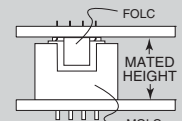
Ultra-high density  
four row design

Choice of  
through-hole  
or surface mount

(1,27 mm) .050" x  
(1,27 mm) .050"  
micro pitch

Locking clip option

## APPLICATIONS



| LEAD STYLE | MOLC | FOLC | MATED HEIGHT*   |
|------------|------|------|-----------------|
| -01        |      |      | (5,97)<br>.235  |
| -11        | -01  |      | (7,75)<br>.305  |
| -31        |      |      | (11,43)<br>.450 |
| -02        | -02  |      | (6,00)<br>.235  |

\*Processing conditions will affect mated height.

## ALSO AVAILABLE

- For surface mount with Tiger Eye™ contact, see [www.samtec.com?ROLC](http://www.samtec.com?ROLC)
- Also see TOLC/SOLC Series for surface mount design with Tiger Buy™ contacts.

MOLC

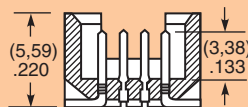
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NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

Q

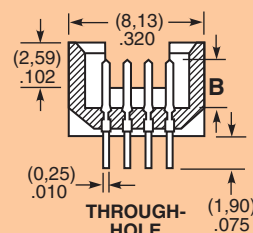
OPTION

20, 25, 30, 35,  
40, 45, 50  
(Call Samtec for other sizes)

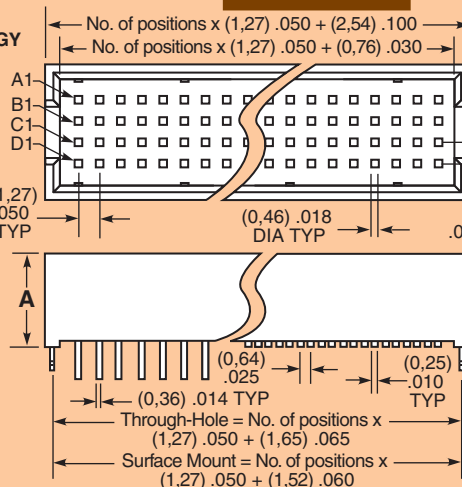


MIXED  
TECHNOLOGY

| LEAD STYLE | A               | B              |
|------------|-----------------|----------------|
| -01        | (5,59)<br>.220  | (3,38)<br>.133 |
| -11        | (7,34)<br>.289  | (3,66)<br>.144 |
| -31        | (11,05)<br>.435 |                |



THROUGH-  
HOLE



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

-02  
= Surface Mount

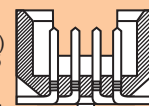
-M1  
= Mixed Technology

-L  
= 10µ" (0,25 µm)  
Gold on post,  
Matte Tin on tail

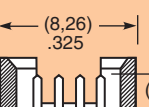
-LC  
= Locking  
Clip  
(Manual  
placement  
required)

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

-TR  
= Tape &  
Reel  
(-02 only)



-LC OPTION



SURFACE  
MOUNT

Note: Other Gold plating  
options available.  
Contact Samtec.

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.

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