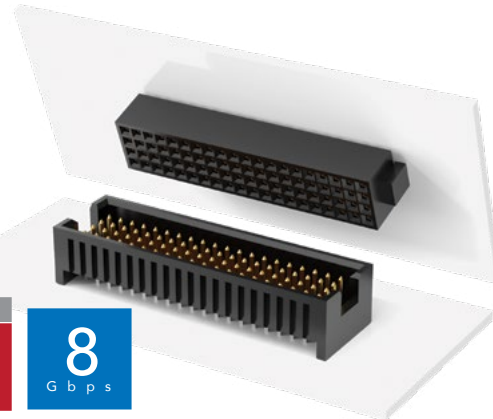


QUAD ROW TERMINAL/SOCKET

(1.27 mm) .050" PITCH • FOLC/MOLC SERIES

MAX
2.6
A m p s

8
G b p s



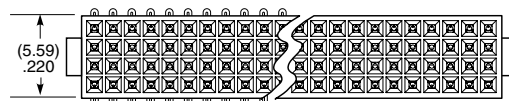
FOLC
Board Mates:
MOLC

MOLC
Board Mates:
FOLC

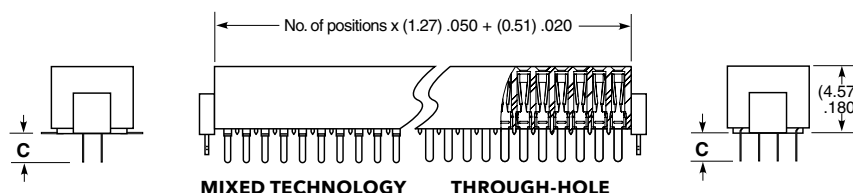
SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material (FOLC):
BeCu
Terminal Material (MOLC):
Phosphor Bronze
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
Current Rating:
2.6 A per pin
(4 pins powered)
Operating Temp Range:
-55 °C to +125 °C
Voltage Rating:
165 VAC/230 VDC
Insertion Depth (FOLC):
(3.30 mm) .130" to
(4.06 mm) .160"
Normal Force (FOLC):
Standard = 70 grams
(0.69 N) avg.
LIF = 40 grams
(0.39 N) avg.
Max Cycles (FOLC):
100

FOLC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	Q	OPTION
		20, 25, 30, 35, 40, 45, 50 (Standard sizes)	-01 & -04 = Through-hole -M1 & -M2 = Mixed Technology -L1 & -L4 = Low Insertion Force Through-hole	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		-LC = Locking Clip (Manual placement required)



LEAD STYLE	C
-01, -M1	(1.91) .075
-04, -M2	(3.04) .120



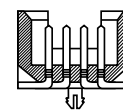
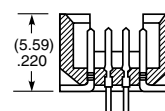
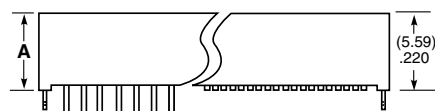
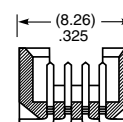
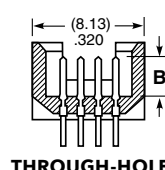
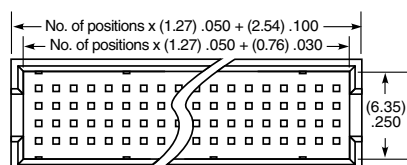
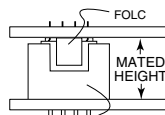
View complete specifications at: samtec.com?FOLC

PROCESSING

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

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) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-02 only)

APPLICATIONS



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

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

*Processing conditions will affect mated height.

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

View complete specifications at: samtec.com?MOLC

Mouser Electronics

Authorized Distributor

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Samtec:

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[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](#)
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[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-](#)
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[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-](#)
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[LC](#) [MOLC-105-02-S-Q](#) [MOLC-120-02-S-Q-P](#) [MOLC-110-02-S-Q-P](#)