

# 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**

FOLC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	Q	OPTION	PACKAGING
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20, 25,  
30, 35,  
40, 45, 50  
(Standard sizes)

**-01 & -04**  
= Through-hole  
**-M1 & -M2**  
= Mixed  
Technology

**-L**  
= 10 μm  
(0.25 μm)  
Gold on  
contact,  
Matte Tin  
on tail

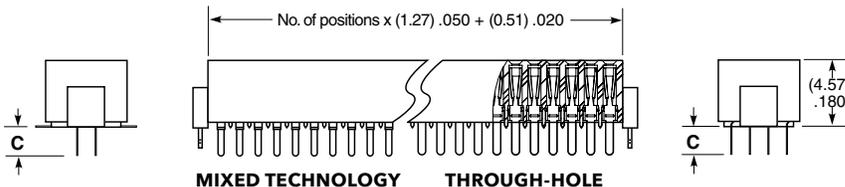
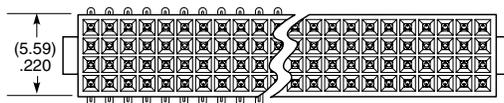
**-LC**  
= Locking  
Clip  
(Manual  
placement  
required)

Leave blank  
for tubes  
**-TR**  
= Tape & Reel  
(-MX only)

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

## SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Contact Material (FOLC):**  
BeCu  
**Terminal Material (MOLC):**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50 μm (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Current Rating:**  
2.6 A per pin  
(4 pins powered)  
**Voltage Rating:**  
165 VAC/233 VDC  
**Insertion Depth (FOLC):**  
(3.30 mm) .130" to  
(4.06 mm) .160"  
**Max Cycles (FOLC):**  
100



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

View complete specifications at: [samtec.com?FOLC](http://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	PACKAGING
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20, 25,  
30, 35,  
40, 45, 50  
(Standard sizes)

**-'X'1**  
= Through-hole  
(Specify from  
chart)  
**-02**  
= Surface Mount

**-L**  
= 10 μm  
(0.25 μm)  
Gold on  
post,  
Matte  
Tin on tail

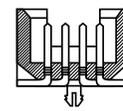
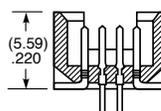
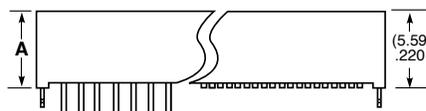
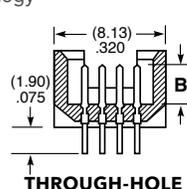
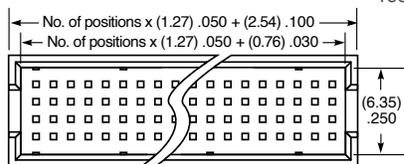
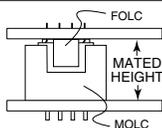
**-LC**  
= Locking  
Clip  
(Manual  
placement  
required)

Leave blank  
for tubes  
**-TR**  
= Tape & Reel  
(-02 &  
-M1 only)

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

**-FR**  
= Full Reel  
Tape & Reel  
(must order  
max. quantity  
per reel;  
contact Samtec  
for quantity  
breaks)  
(-02 &  
-M1 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	-01	(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](http://samtec.com?MOLC)