

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

-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)

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 μ" (1.27 μm) Ni

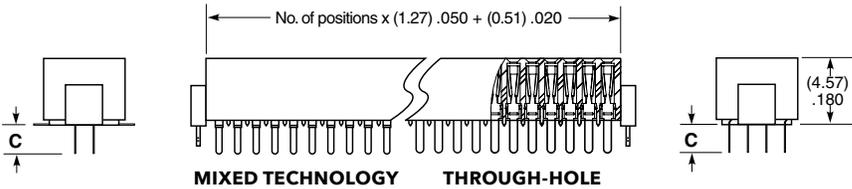
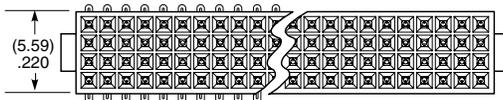
Current Rating:
2.6 A per pin (4 pins powered)

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"

Max Cycles (FOLC):
100



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	PACKAGING
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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)

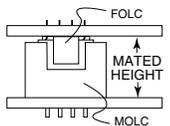
-P
= Pick & Place Pad (-02 only)

Leave blank for tubes

-TR
= Tape & Reel (-02 & -M1 only)

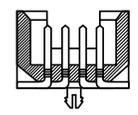
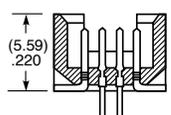
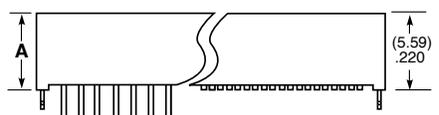
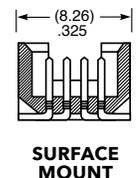
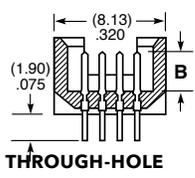
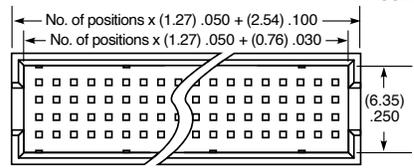
-FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-02 & -M1 only)

APPLICATIONS



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.



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

View complete specifications at: samtec.com?MOLC