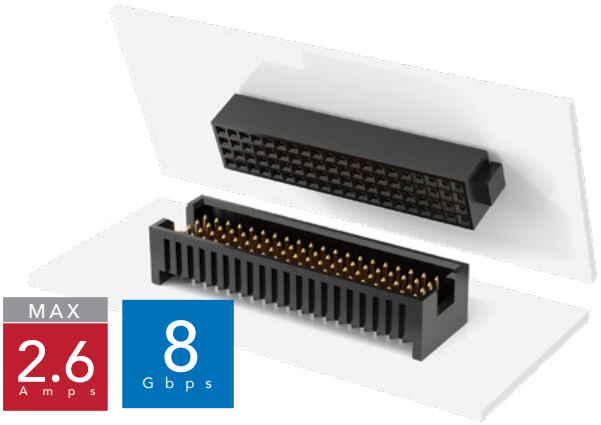
TIGER™ EYE SYSTEM

QUAD ROW TERMINAL/ SOCKET

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



FOLC
Board Mates:
MOLC

MOLC
Board Mates:
FOLC

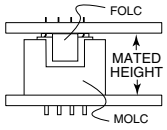
SPECIFICATIONS

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"
Max Cycles (FOLC):
100

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)

APPLICATIONS



LEAD STYLE		MATED HEIGHT*
MOLC	FOLC	
–01	–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.

FOLC – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – Q – OPTION – PACKAGING

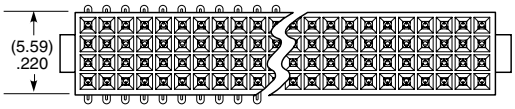
NO. PINS PER ROW
20, 25, 30, 35, 40, 45, 50
(Standard sizes)

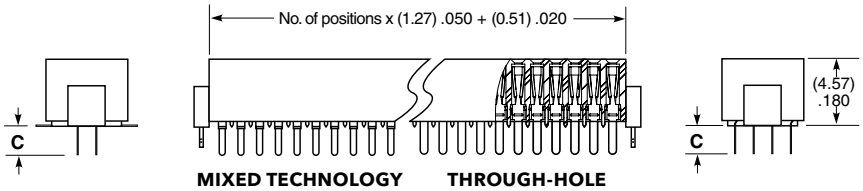
LEAD STYLE
–01 & –04
= Through-hole
–M1 & –M2
= Mixed Technology
–L1 & –L4
= Low Insertion Force Through-hole

PLATING OPTION
–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

OPTION
–LC
= Locking Clip (Manual placement required)

PACKAGING
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)





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

View complete specifications at: **samtec.com?FOLC**

MOLC – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – Q – OPTION – PACKAGING

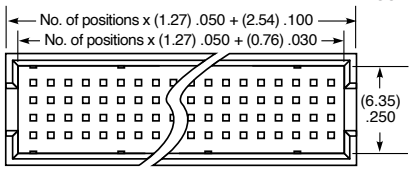
NO. PINS PER ROW
20, 25, 30, 35, 40, 45, 50
(Standard sizes)

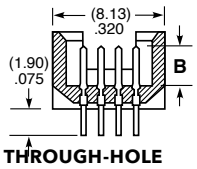
LEAD STYLE
–'X'1
= Through-hole (Specify from chart)
–02
= Surface Mount
–M1
= Mixed Technology

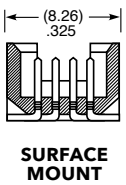
PLATING OPTION
–L
= 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

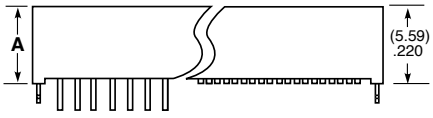
OPTION
–LC
= Locking Clip (Manual placement required)
–P
= Pick & Place Pad (–02 only)

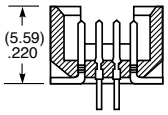
PACKAGING
Leave blank for tubes
–TR
= Tape & Reel (–02 & –M1 only)
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (–02 & –M1 only)

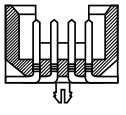












LEAD STYLE	A	B
–01	(5.59) .220	(3.38) .133
–11	(7.34) .289	(3.66) .144
–31	(11.05) .435	

View complete specifications at: **samtec.com?MOLC**

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.