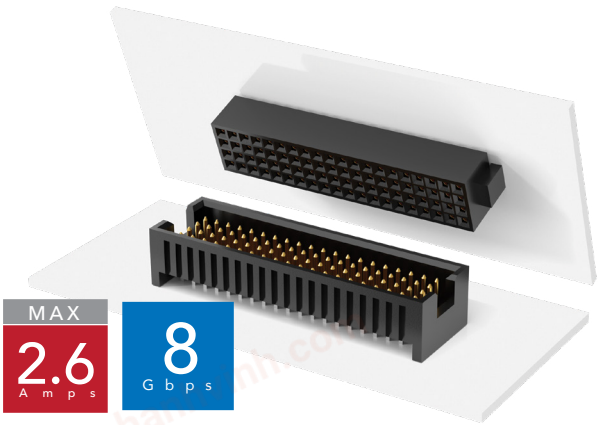
chanhvinh.com

TIGER™ EYE SYSTEM

QUAD ROW TERMINAL/ SOCKET



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

FOLC
Board Mates:
MOLC

MOLC
Board Mates:
FOLC

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

20, 25, 30, 35, 40, 45, 50
(Standard sizes)

–01 & –04
= Through-hole

–M1 & –M2
= Mixed Technology

–L1 & –L4
= Low Insertion Force Through-hole

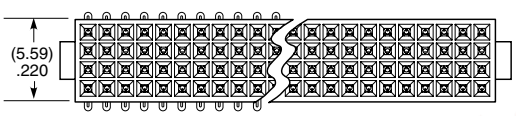
–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

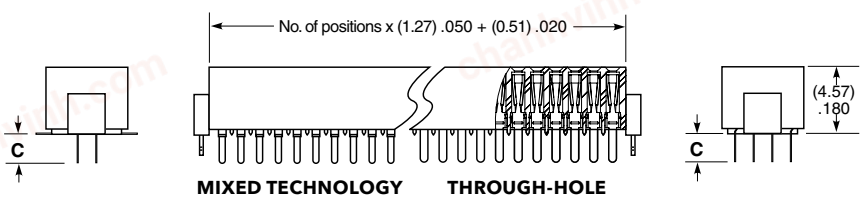
–LC
= Locking Clip (Manual placement required)

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)





MIXED TECHNOLOGY THROUGH-HOLE

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

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

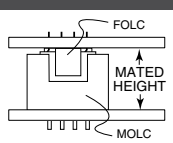
SPECIFICATIONS

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
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

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.

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

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

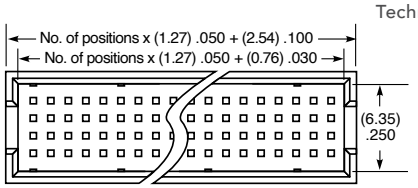
–LC
= Locking Clip (Manual placement required)

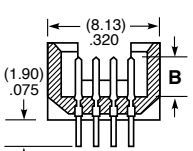
–P
= Pick & Place Pad (–02 only)

Leave blank for tubes

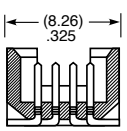
–TR
= Tape & Reel (–02 & –M1 only)

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

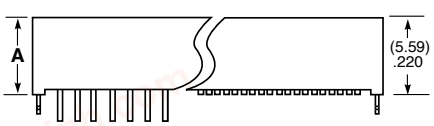


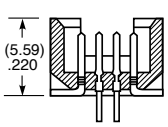


THROUGH-HOLE

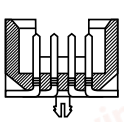


SURFACE MOUNT





MIXED TECHNOLOGY



-LC OPTION

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**

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

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.