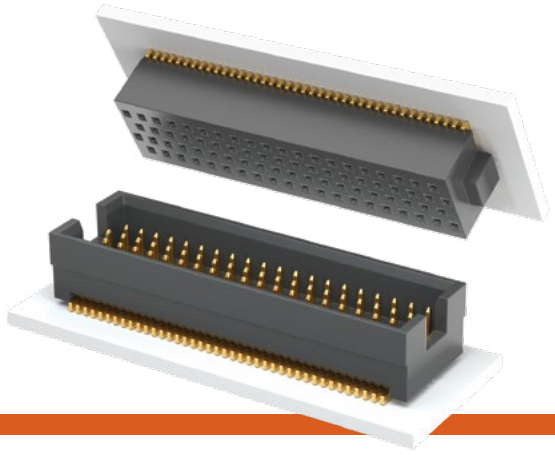
TIGER BUY™ CONTACT

QUAD ROW SMT TERMINAL & SOCKET

(1.27 mm) .050" PITCH • TOLC/SOLC SERIES



TOLC
Mates:
SOLC

SOLC
Mates:
TOLC

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au over 50 µ" (1.27 µm) Ni
Current Rating:
2.4 A per pin
(6 adjacent pins powered)
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth (SOLC):
(1.68 mm) .066" to
(3.61 mm) .142" with
(0.38 mm) .015" wipe
Max Cycles (SOLC):
100+

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (05-35)
(0.15 mm) .006" max (40-50)*
*(.004" stencil solution may be available; contact ipg@samtec.com)

ALSO AVAILABLE
MOQ Required

Other sizes
Other platings

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

TOLC - 1 - NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - Q - OTHER OPTION

05, 10, 15, 20, 25, 30, 35, 40, 45, 50
(Standard Sizes)

Specify LEAD STYLE from chart

–F
= Gold flash on contact, Gold flash on tail

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

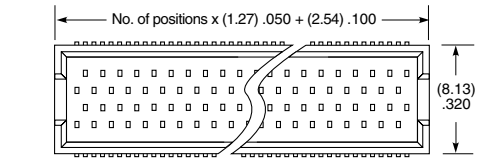
–A
= Alignment Pin (N/A with -LC)

–LC
= Locking Clip (N/A with -A) (Manual placement required)

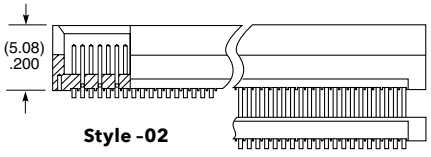
–K
= (9.00 mm) .354" DIA Polyimide film Pick & Place Pad

–TR
= Tape & Reel

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

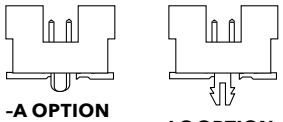


LEAD STYLE	A	MATED HEIGHT
–02	(5.59) .220	(6.35) .250
–12	(7.24) .285	(8.00) .315
–22	(9.25) .364	(10.00) .394
–32	(11.23) .442	(12.00) .472



Style -02

Styles -12,-22,-32



-A OPTION

-LC OPTION

SOLC - 1 - NO. PINS PER ROW - 02 - PLATING OPTION - Q - OTHER OPTION

05, 10, 15, 20, 25, 30, 35, 40, 45, 50
(Standard Sizes)

–F
= Gold flash on contact, Gold flash on tail

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

–A
= Alignment Pin (N/A with -LC)

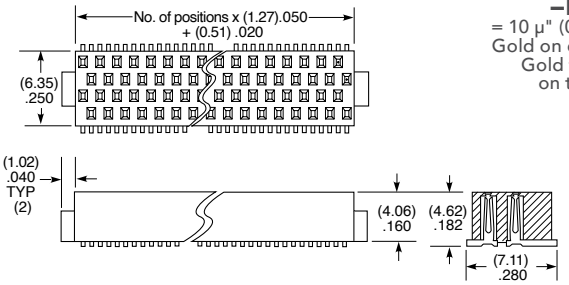
–LC
= Locking Clip (N/A with -A) (Manual placement required)

–K
= (7.00 mm) .276" DIA Polyimide film Pick & Place Pad

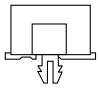
–P
= Pick & Place Pad

–TR
= Tape & Reel

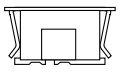
–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)



–A OPTION



–LC OPTION



–P OPTION

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.