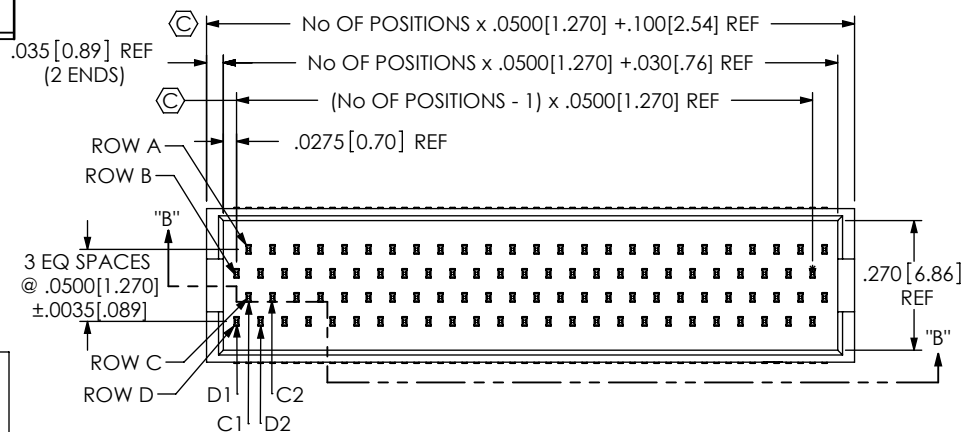




DO NOT SCALE FROM THIS PRINT

TOLC-1XX-XX-X-Q-XX

No OF POSITIONS
-05, -10, -15, -20, -25
-30, -35, -40, -45, -50
(PER ROW)

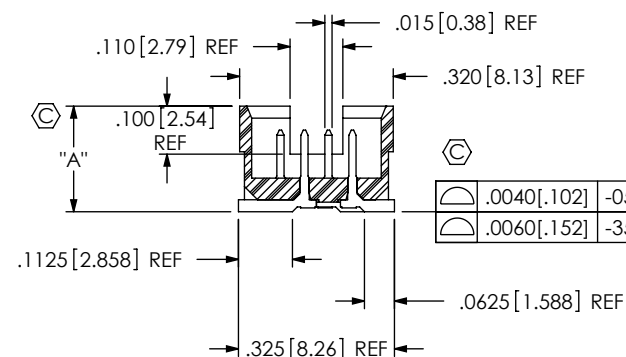
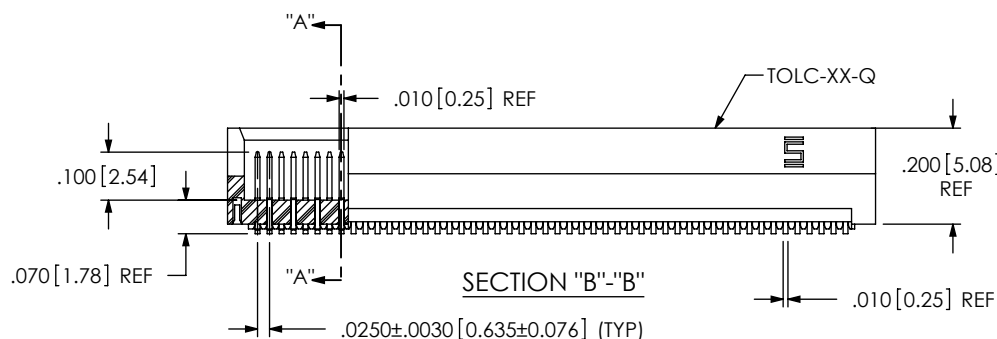
LEAD STYLE
(SEE TABLE 1)
-02, -12, -22, -32

PLATING SPEC
(VALUES GIVEN ARE
IN MICRO-INCHES)

-S: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-L: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-F: FLASH GOLD, 3 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL

OPTIONS
-LC: LOCKING CLIP (SEE NOTE 5)
(USE LC-09-TM)
(NOT AVAILABLE WITH -A)
-P: PICK & PLACE PAD
(EXISTING CUSTOMER SUPPORT ONLY)
(USE ASP-90590-01-S)
-TR: TAPE & REEL
-A: ALIGNMENT PIN
(USE TOLC-XX-Q-A FOR STYLE -02 AND TOLCH-XX-Q-A FOR STYLES -12, -22 & -32)
(NOT AVAILABLE WITH -LC)
-PL: PLASTIC PICK & PLACE PAD
(USE ASP-90590-01-S)
-K: POLYIMIDE FILM PAD
(USE K-DOT-.354-.469-.005)

ROW SPEC
-Q: QUAD
(USE TOLC-XX-Q)



.0040[.102]	-05 THRU -30 POS
.0060[.152]	-35 THRU -50 POS

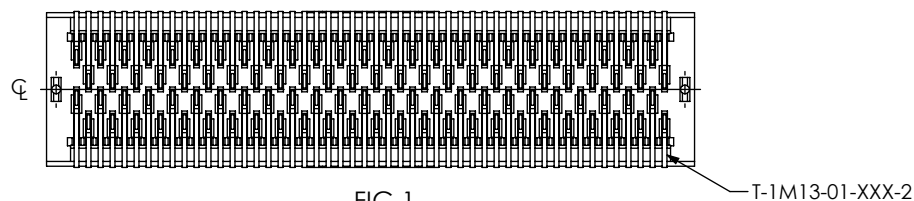


FIG 1

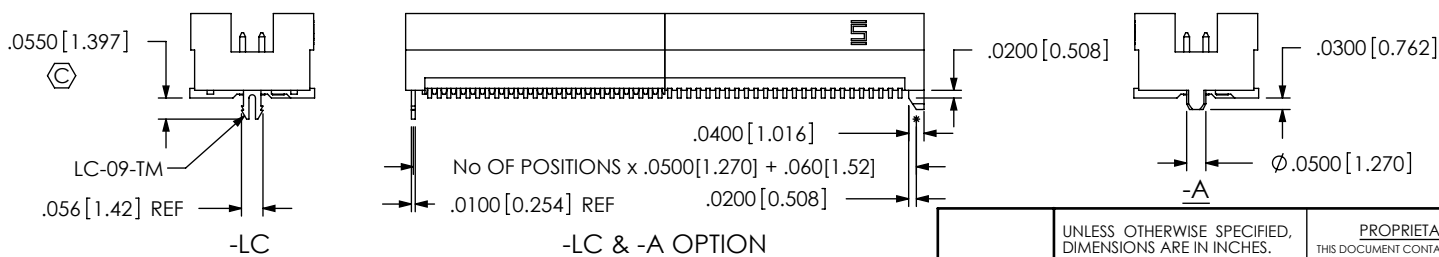


TABLE 1				
LEAD STYLE	"A"	USE TERMINAL	SEE FIG	BOARD SPACE WHEN MATED WITH SOLC
-02	.2200[5.588]	T-1M13-01-XXX-2	1	.2500[6.350]
-12	.2850[7.239]	T-1M14-02-XXX-2	2	.3150[8.000]
-22	.3637[9.238]	T-1M14-03-XXX-2	2	.3937[10.000]
-32	.4424[11.237]	T-1M14-04-XXX-2	2	.4724[12.000]

NOTES:

1. MINIMUM PUSHOUT FORCE: .5 LB.
2. PARTS TO BE PACKAGED IN TUBES.
3. -S PLATING CAN BE SUBSTITUTED FOR -L AND -F PLATING STYLES.
4. © REPRESENTS A CRITICAL DIMENSION.
5. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01[.3] ±5°
.XXX: ±.005[.13]
.XXXX: ±.0020[.051]

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OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

MATERIAL:

BODY:
LCP UL 94 VO, COLOR: BLACK
TERMINAL:
PHOSPHOR BRONZE

F:\DWG\MISC\MKTG\TOLC-1XX-XX-X-Q-XX-MKT.SLDDRW

DO NOT SCALE DRAWING

SHEET SCALE: 1:0.4

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
QUAD ROW STAGGERED SMT TERMINAL ASM

DWG. NO.

TOLC-1XX-XX-X-Q-XX

BY: D PURVIS 03/18/1996 SHEET 1 OF 2

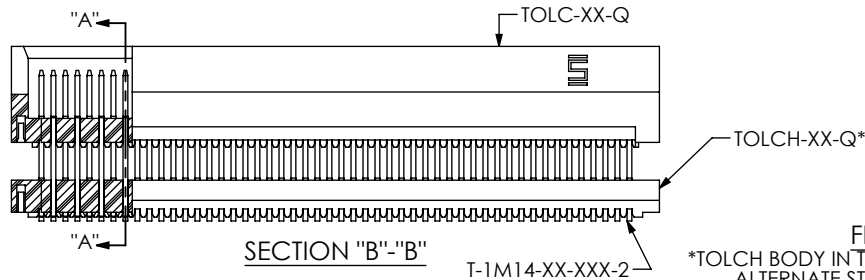
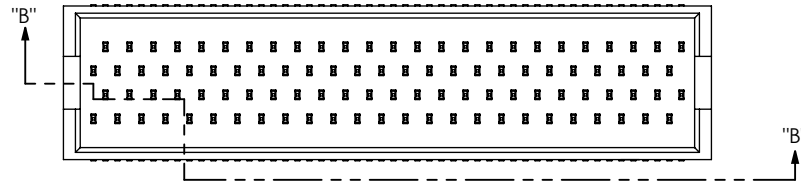
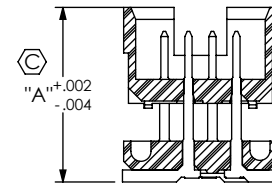
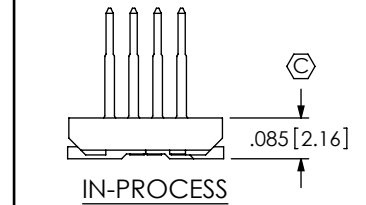


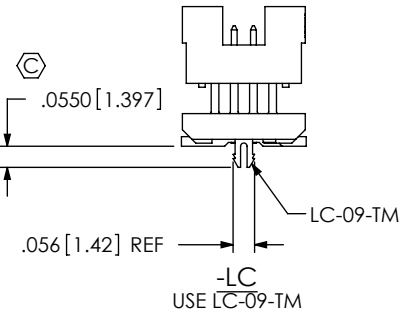
FIG 2
*TOLCH BODY IN THIS DESIGN REFLECTS
ALTERNATE STANDOFF DESIGN



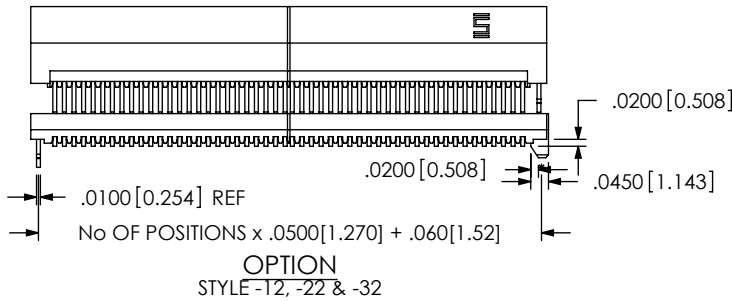
SECTION "A"-"A"



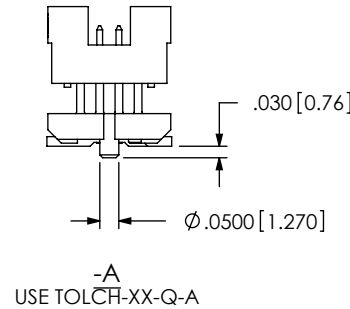
	.0040 [1.02]	-05 THRU -30 POS
	.0060 [1.52]	-35 THRU -50 POS



-LC
USE LC-09-TM

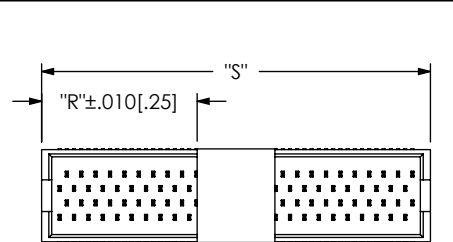


OPTION
STYLE -12, -22 & -32



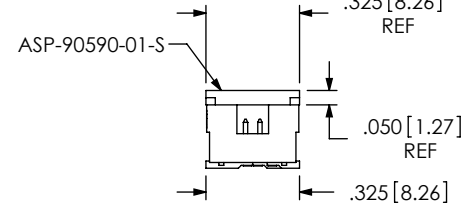
-A
USE TOLCH-XX-Q-A

TABLE 2			
LEAD STYLE	OPTIONS	PACKAGING TUBE	PLUG
-02	ALL	PT-1-24-02-70	TP-03
-12	-P	PT-1-24-01-70	TP-29
-12	NONE, -K, -A	PT-1-24-02-70	TP-03
-22	-P, -P-A	PT-1-24-01-44	TP-13
-22	NONE, -K, -A, -LC	PT-1-24-01-70	TP-29
-32	ALL	PT-1-24-01-44	TP-13

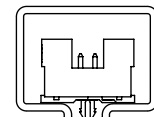


"S" = (# OF POS x .050 [1.27]) + .100 [2.54]
"R" = (S/2) - .135 [3.429]

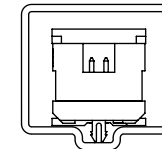
-P & -PL OPTION
PICK & PLACE PAD



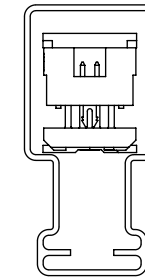
PACKAGING
VIEWS



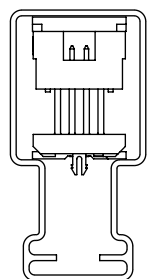
-02 / 12-K
PT-1-24-02-70 TUBE
TP-03 PLUG



-12-P/-22/-22-K
PT-1-24-01-70 TUBE
TP-29 PLUG

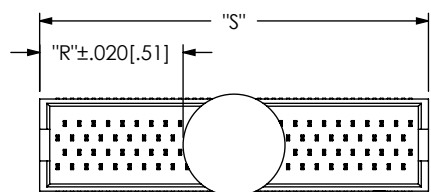


-22-P/-22-P-A
PT-1-24-01-44 TUBE
TP-13 PLUG

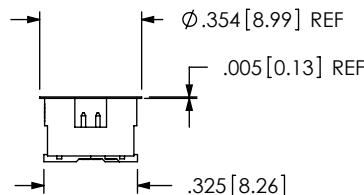


-32
PT-1-24-01-44 TUBE
TP-13 PLUG

-K OPTION
PICK & PLACE PAD



"S" = (# OF POS x .050 [1.27]) + .100 [2.54]
"R" = (S/2) - .354 [9.00]/2



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SHEET SCALE: 1:0.4

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DWG. NO. TOLC-1XX-XX-X-Q-XX

BY: D PURVIS 03/18/1996 SHEET 2 OF 2