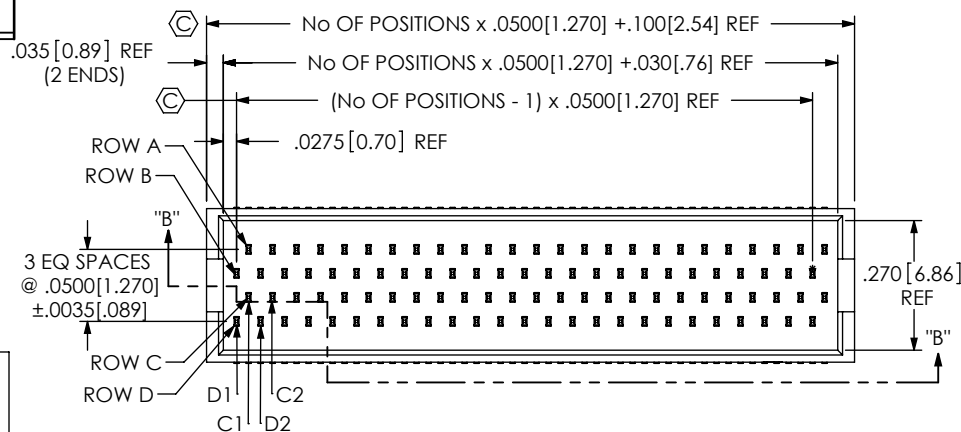


REVISION AX



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)

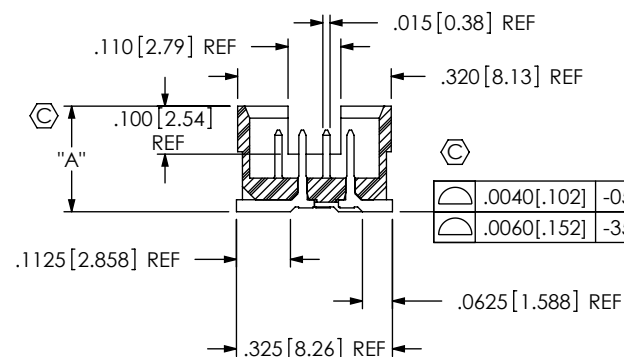
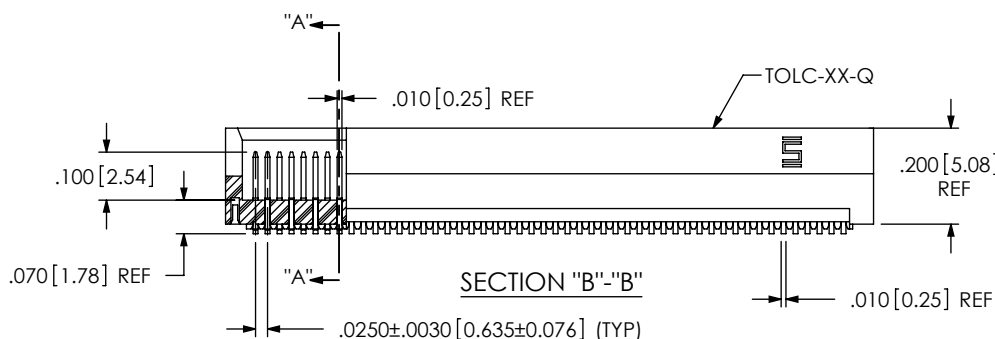
-S: SELECTIVE, 30 Au / 50 Ni MIN ON
CONTACT, 3 Au / 50 Ni MIN
ON TAIL
-L: LIGHT SELECTIVE, 10 Au / 50 Ni MIN
ON CONTACT, 3 Au / 50 Ni MIN
ON TAIL
-F: FLASH GOLD, 3 Au / 50 Ni MIN ON
CONTACT, 3 Au / 50 Ni MIN ON TAIL

OPTIONS

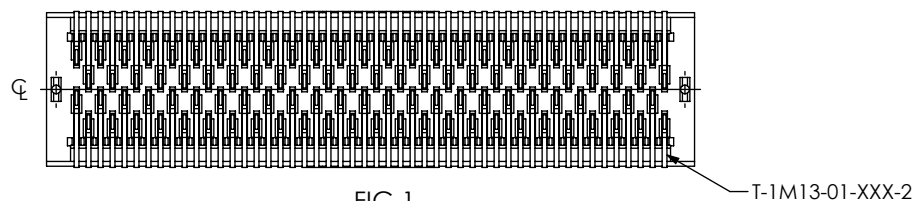
-LC: LOCKING CLIP (SEE NOTE 5)
(USE LC-09-TM)
(NOT AVAILABLE WITH -A)
-P: PICK & PLACE PAD
(EXISTING CUSTOMER SUPPORT ONLY)
(USE ASP-90590-01-S)
-TR: TAPE & REEL
-A: ALIGNMENT PIN
(USE TOLC-XX-Q-A FOR STYLE -02 AND
TOLCH-XX-Q-A FOR STYLES -12, -22
& -32)
(NOT AVAILABLE WITH -LC)
-PL: PLASTIC PICK & PLACE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



SECTION "A"-"A"

FIG 1

T-1M13-01-XXX-2

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]

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
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

DESCRIPTION:

QUAD ROW STAGGERED SMT TERMINAL ASM

DWG. NO.

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

BY:D PURVIS

03/18/1996

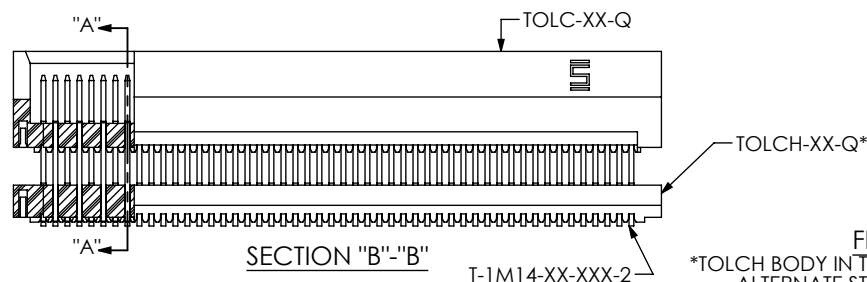
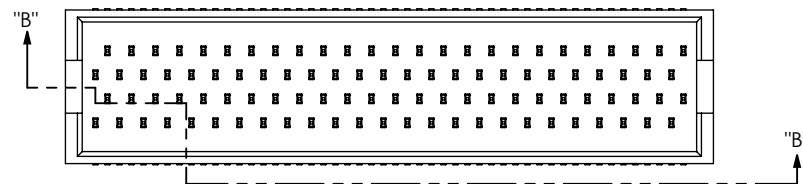
SHEET 1 OF 2

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.

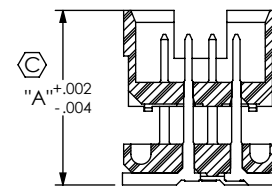
samtec

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

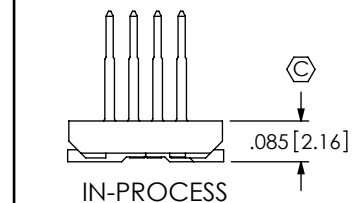


SECTION "B"- "B"

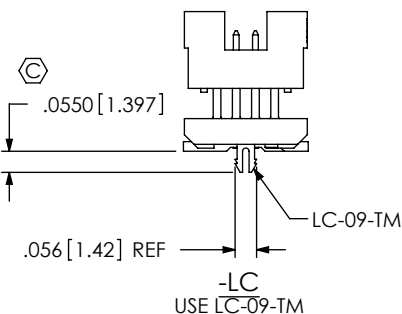
T-1M14-XX-XXX-2

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


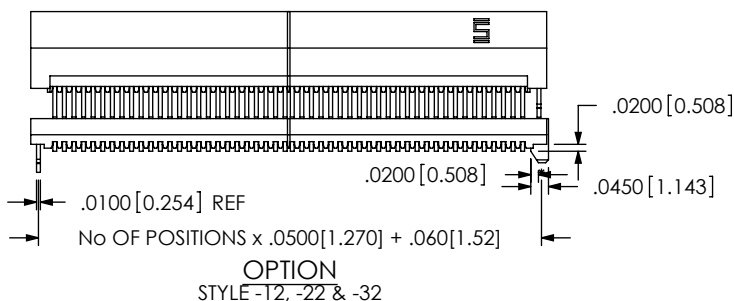
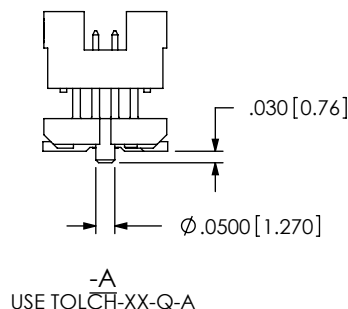
SECTION "A"- "A"



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

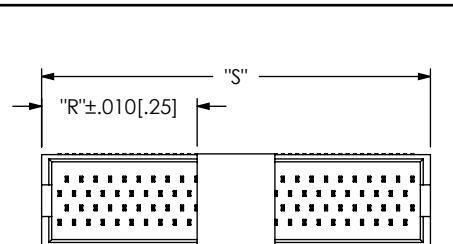


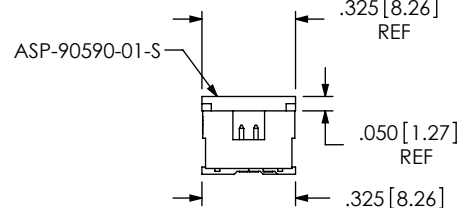
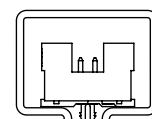
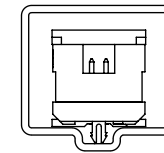
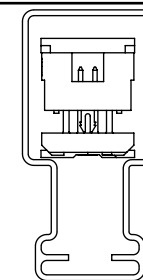
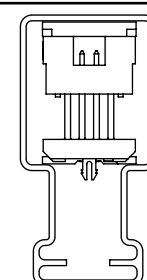
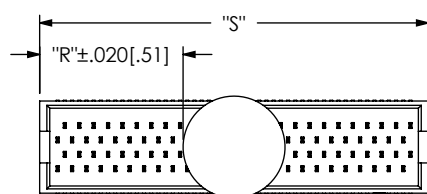
USE LC-09-TM

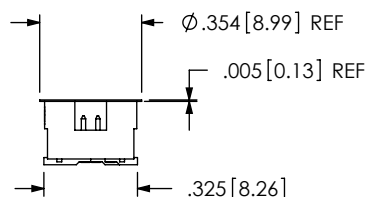

OPTION
STYLE -12, -22 & -32


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

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

-K OPTION
PICK & PLACE PAD


PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

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 2 OF 2