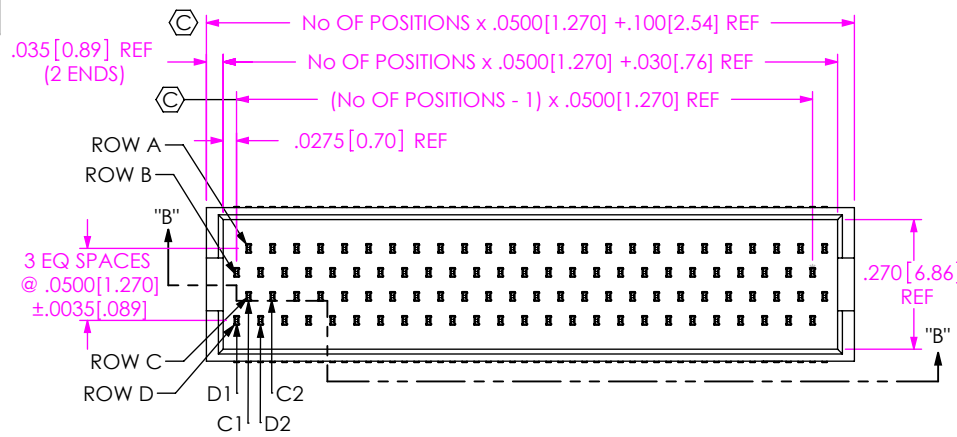


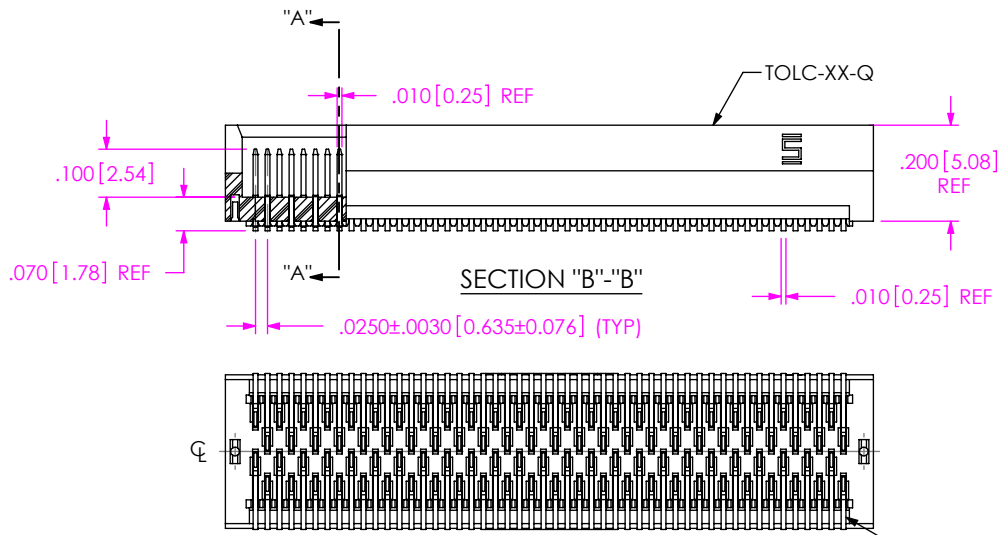
DO NOT SCALE FROM THIS PRINT

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 T)  
 -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 (.005[.13] THICK W SILICON ADHESIVE) (USE K-850-650)  
 ROW SPEC  
 -Q: QUAD (USE TOLC-XX-Q)



$\text{R} \ .0040[.102]$	-05 THRU -30 POS
$\text{R} \ .0060[.152]$	-35 THRU -50 POS

FIG 1 T-1M13-01-XXX-2

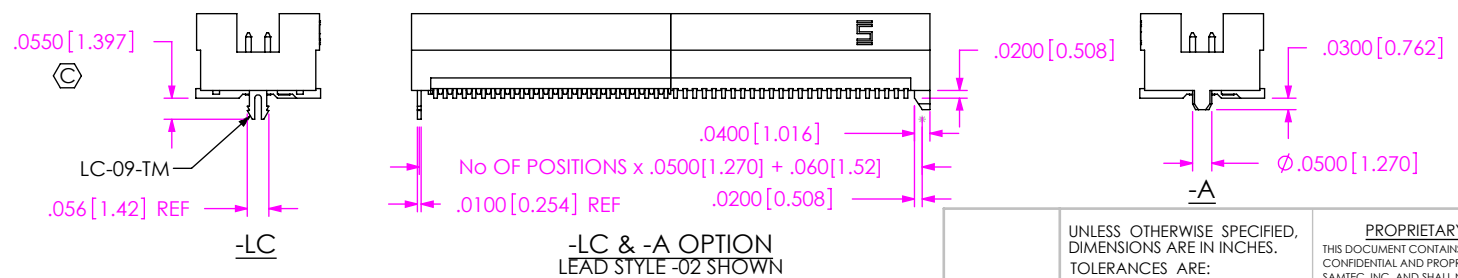


TABLE 1

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]

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 .XX:  $\pm .01[.3]$  ANGLES .XXX:  $\pm .005[.13]$  .XXXX:  $\pm .0020[.051]$   $\pm 5^\circ$   
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 MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.4  
 BODY: LCP UL 94 VO, COLOR: BLACK  
 TERMINAL: PHOSPHOR BRONZE  
 c:\enterprise\aut\DWG\MISC\MKTG\TOLC-1XX-XX-X-Q-XX-MKT.SLDDRW

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

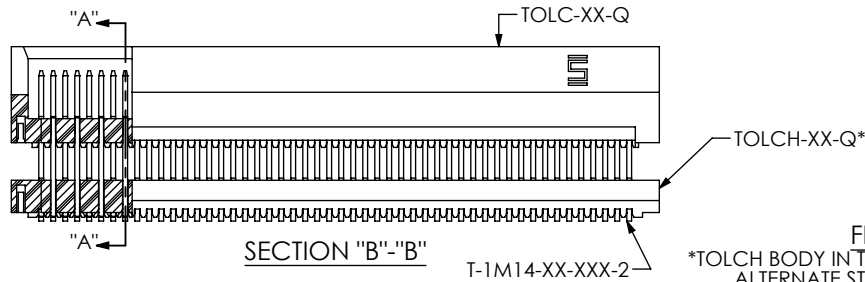
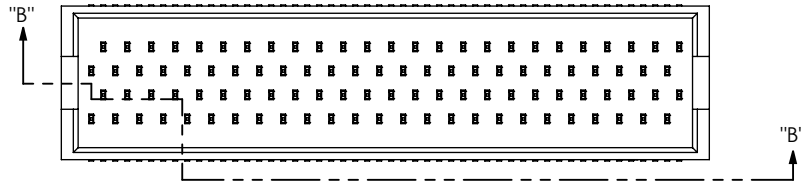
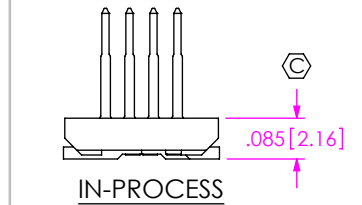
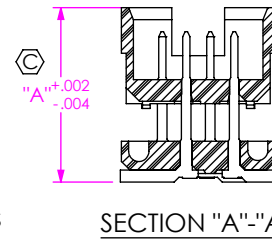
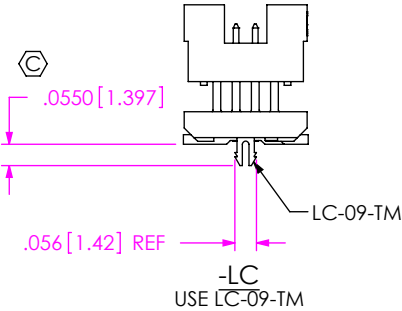


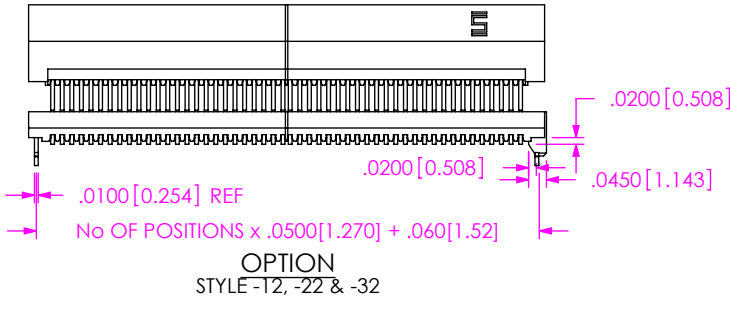
FIG 2  
\*TOLCH BODY IN THIS DESIGN REFLECTS ALTERNATE STANDOFF DESIGN



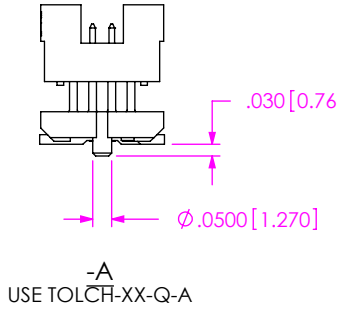
	.0040 [1.02]	-05 THRU -30 POS
	.0060 [1.52]	-35 THRU -50 POS



-LC  
USE LC-09-TM



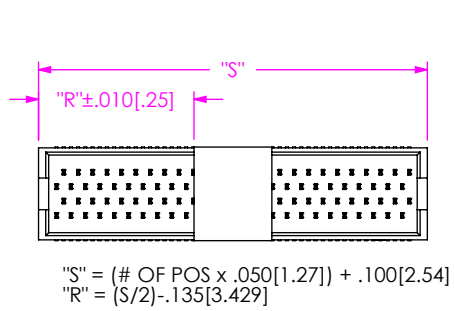
OPTION  
STYLE -12, -22 & -32



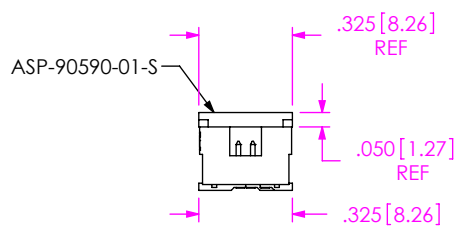
-A  
USE TOLCH-XX-Q-A

**TABLE 2**

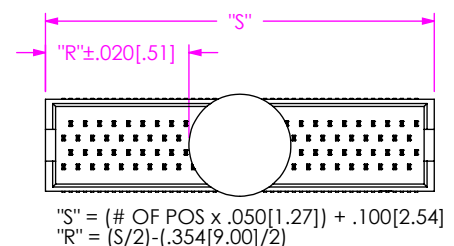
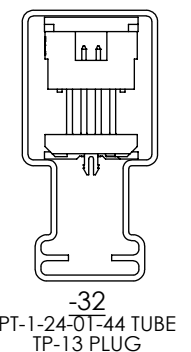
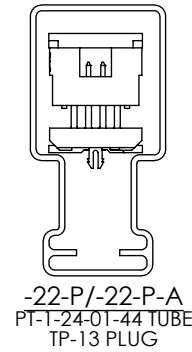
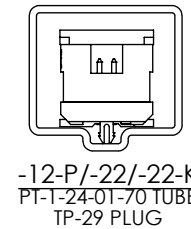
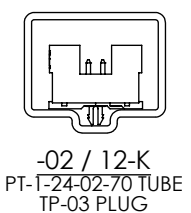
LEAD STYLE	OPTIONS	PACKAGING TUBE	PLUG
-02	ALL	PT-1-24-02-70	TP-03
-12	-P	PT-1-24-01-70	TP-29
-12	NONE, -K, -A	PT-1-24-02-70	TP-03
-22	-P, -P-A	PT-1-24-01-44	TP-13
-22	NONE, -K, -A, -LC	PT-1-24-01-70	TP-29
-32	ALL	PT-1-24-01-44	TP-13



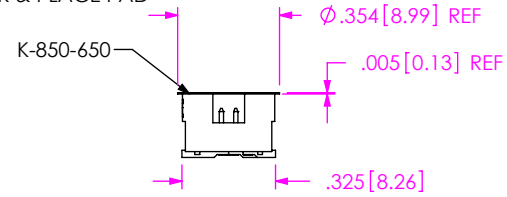
-P & -PL OPTION  
PICK & PLACE PAD



**PACKAGING VIEWS**



-K OPTION  
PICK & PLACE PAD



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SHEET SCALE: 1:0.4



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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
QUAD ROW STAGGERED SMT TERMINAL ASM  
DWG. NO. **TOLC-1XX-XX-X-Q-XX**

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