REVISION BH

DO NOT SCALE FROM THIS PRINT

TOLC-1XX-XX-XXX-Q-XX-XX-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
*-STL: SELECTIVE, 30 Au / 100 Ni MIN ON CONTACT, 100-250 Sn-Pb / 50 Ni MIN ON TAIL

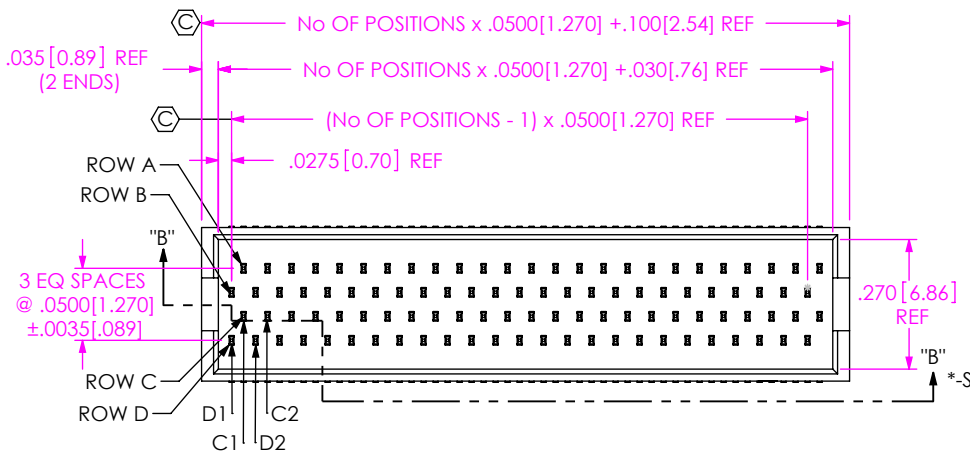
ROW SPEC
-Q: QUAD
(USE TOLC-XX-Q)

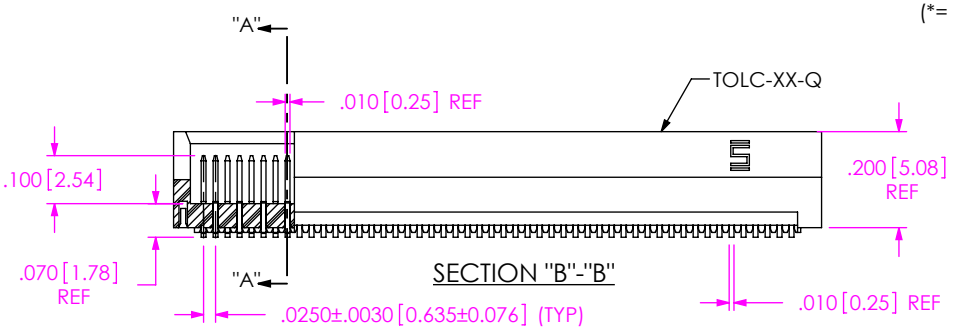
PACKAGING
BLANK: TUBE (SEE NOTE 2)
-TR: TAPE & REEL (SEE NOTE 7 & 8)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTE 7 & 8)

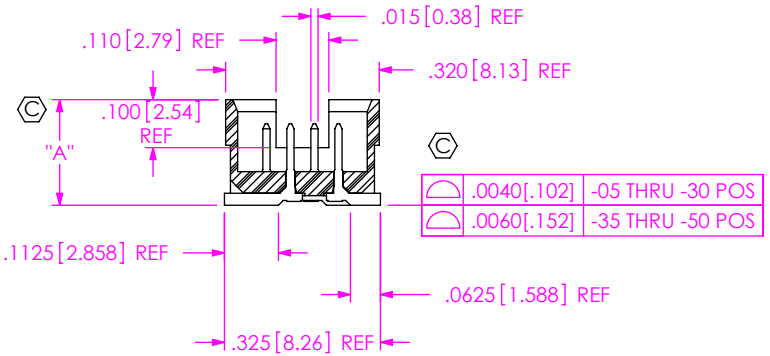
PICK & PLACE OPTION
-P: PICK & PLACE PAD (EXISTING CUSTOMER SUPPPORT ONLY) (USE ASP-90590-01-S)
-PL: PLASTIC PICK & PLACE PAD (USE ASP-90590-01-S)
-K: POLYIMIDE FILM PAD (USE K-DOT-.354-.469-.005)

OPTIONS
-LC: LOCKING CLIP (SEE NOTE 5) (USE LC-09-TM) (NOT AVAILABLE WITH -A)
-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)

(*= FOR EXISTING CUSTOMERS ONLY)







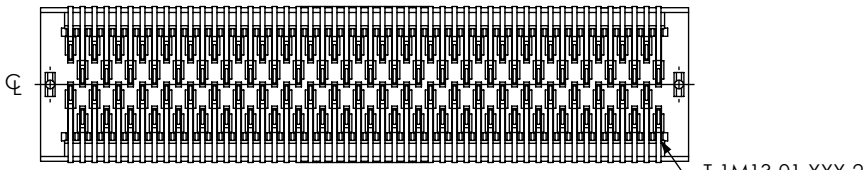


FIG 1

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: 6 OZ.
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.
6. NOTE DELETED.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
8. ATTACH LABEL TO EACH REEL.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS
.XX: ±.01[0.3]
.XXX: ±.005[0.13]
.XXXX: ±.0020[0.051]
ANGLES ±5 °

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

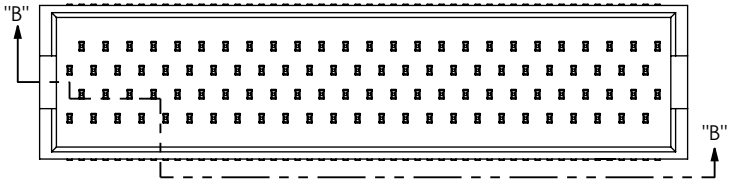
c:\enterprisevault\DWG\MISC\MKTG\TOLC-1XX-XX-XXX-Q-XX-XX-XX-MKT.SLDDRW

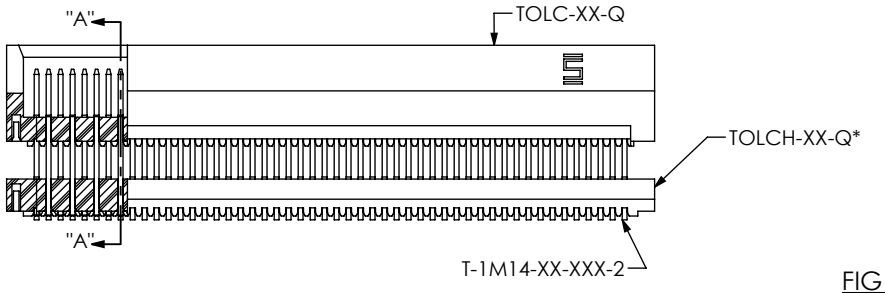
DESCRIPTION:
QUAD ROW STAGGERED SMT TERMINAL ASM

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

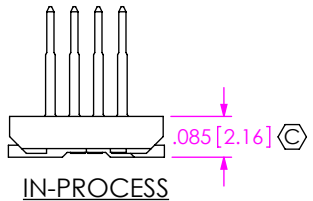
BY: D PURVIS 03/18/1996 SHEET 1 OF 3

REVISION BH

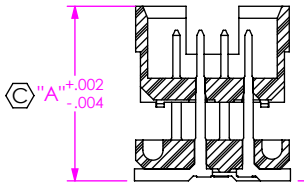




SECTION "B"-"B"



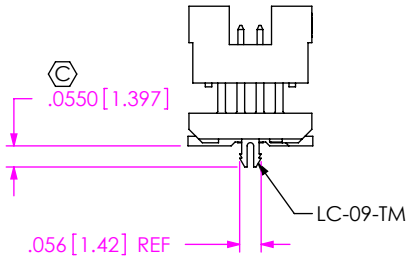
IN-PROCESS



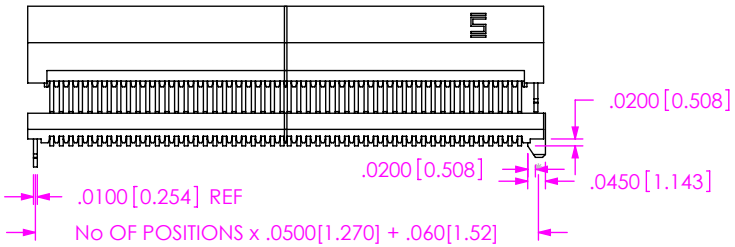
.0040[.102]	-05 THRU -30 POS
.0060[.152]	-35 THRU -50 POS

SECTION "A"-"A"

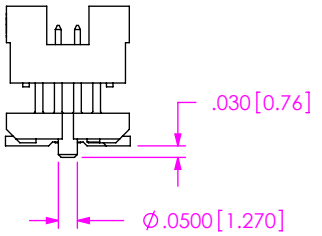
FIG 2
*TOLCH BODY IN THIS DESIGN REFLECTS ALTERNATE STANDOFF DESIGN



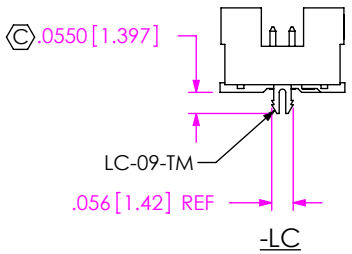
-LC
USE LC-09-TM



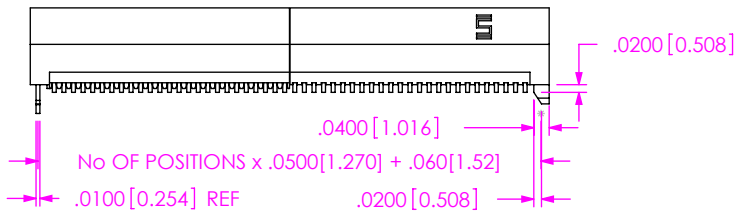
OPTION
STYLE -12, -22 & -32



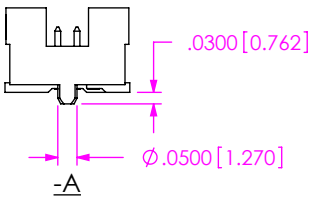
-A
USE TOLCH-XX-Q-A



-LC



-LC & -A OPTION
LEAD STYLE -02 SHOWN



-A

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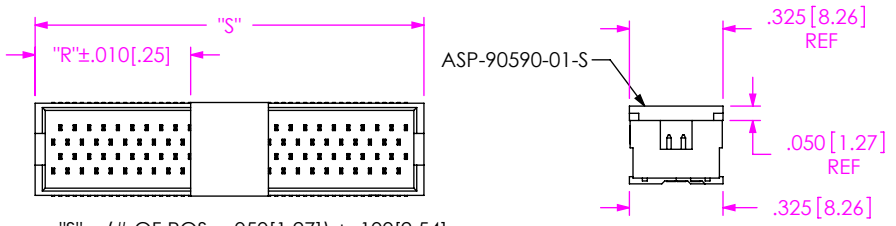
DESCRIPTION:
QUAD ROW STAGGERED SMT TERMINAL ASM

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

BY: D PURVIS 03/18/1996 SHEET 2 OF 3

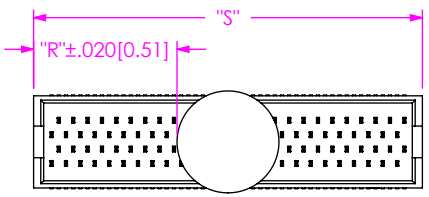
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REVISION BH

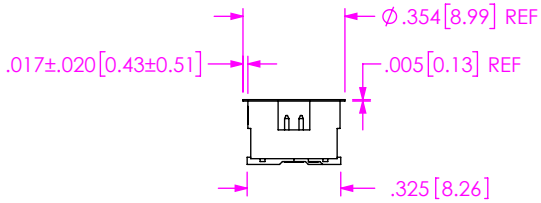


"S" = (# OF POS x .050[1.27]) + .100[2.54]
"R" = (S/2)-.135[3.429]

-P & -PL OPTION
PICK & PLACE PAD

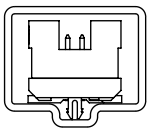


"S" = (# OF POS x .050[1.27]) + .100[2.54]
"R" = (S/2)-(.354[9.00]/2)

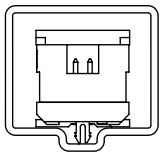


-K OPTION
PICK & PLACE PAD

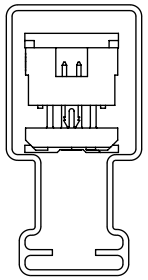
TABLE 2			
LEAD STYLE	OPTIONS	PACKAGING TUBE	PLUG
-02	ALL	PT-1-24-02-70	TP-07
-12	-LC-P	PT-1-24-01-70	TP-29
-12	NONE, -K,-A, -LC	PT-1-24-02-70	TP-07
-22	-P, -A-P	PT-1-24-01-44	TP-13
-22	NONE,-K,-A,-LC	PT-1-24-01-70	TP-29
-32	ALL	PT-1-24-01-44	TP-13



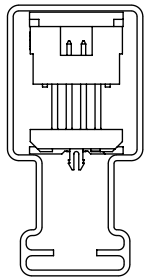
-02/-12-K/-12-LC
PT-1-24-02-70 TUBE
TP-07 PLUG



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



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



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

PACKAGING VIEWS

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DESCRIPTION:
QUAD ROW STAGGERED SMT TERMINAL ASM

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

BY: D PURVIS 03/18/1996 SHEET 3 OF 3

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