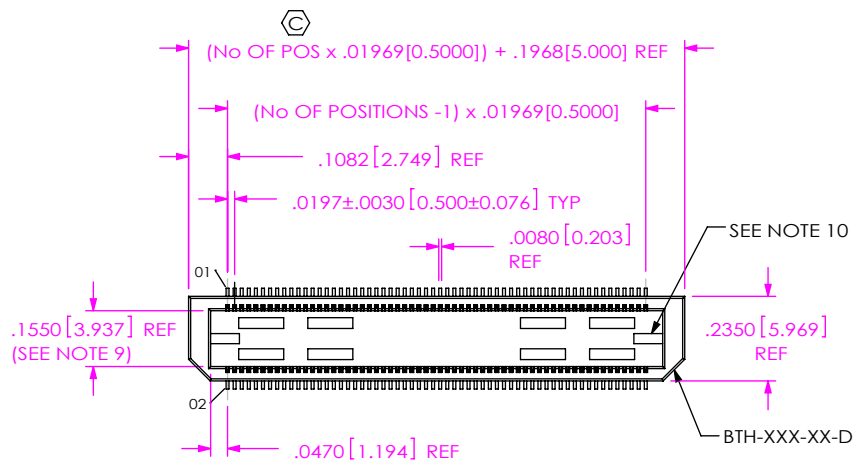


DO NOT SCALE FROM THIS PRINT

BTH-XXX-XX-X-D-XX



No. OF POSITIONS
 030, ***050, 060, 090,
 *120, *150
 (PER ROW)
 LEAD STYLE -02 ONLY: 030 - 150
 MULTIPLES OF 10

OPTION

- A: ALIGNMENT PINS
 (USE BTH-XXX-XX-D-A FOR STYLES -01 & -02) (FOR STYLES -03 THRU -09, SEE TABLE 4 & FIG 4, SHEET 3)
- LC: LOCKING CLIPS (SEE NOTE 8)
 (USE LC-08-TM-01)
- K: POLYIMIDE FILM
 (USE K-DOT-.276-.375-.005, SEE FIG 2)
 (AVAILABLE ON STYLES -01 THRU -04 & -09 ONLY)
- TR: TAPE & REEL (120 POS MAX)
 [N/A ON -05 THRU -06] (SEE NOTE 12)
- FR: FULL REEL QTY. TAPE & REEL (120 POS MAX)
 [N/A ON -05 THRU -06] (SEE NOTE 13)

LEAD STYLE

- 01: .1680[4.267]
- 02: .2861[7.264]
 (030 -150 POSITIONS AVAILABLE)
- 03: .4042[10.267]
- 04: .6000[15.240]
- 05: .7180[18.237]
- 06: .8360[21.234]
- 09: .5224[13.269]

ROW SPECIFICATION

- D: DOUBLE (USE BTH-XXX-XX-D & BTHH-XXX-XX-D)

PLATING SPECIFICATION

- F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
- C: 50μ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL

*** = 50 POS. ONLY AVAILABLE FOR -01 AND -02 LEAD STYLE (REF ASP-65267-02), NOT TOOLED FOR -03 LEAD STYLE

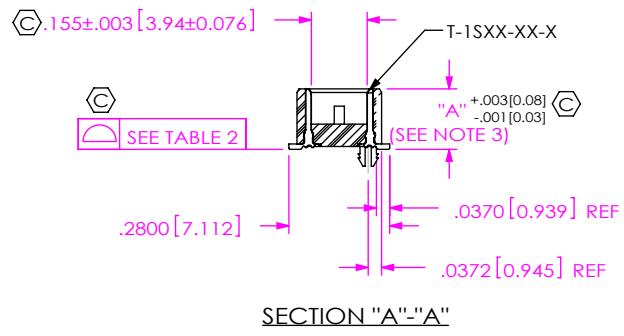
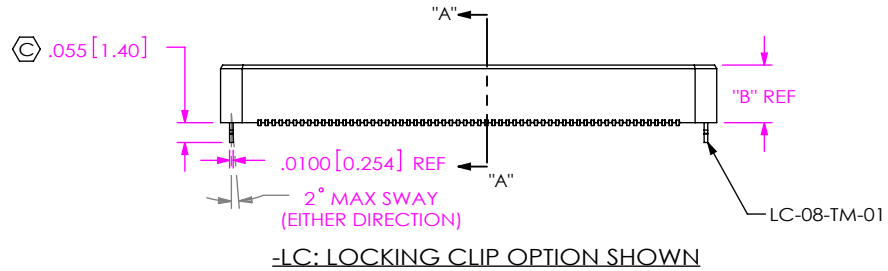


TABLE 2

NO. OF POSITIONS	COPLANARITY
-030 THRU -090	.004[.10]
-120 THRU -150	.006[.15]

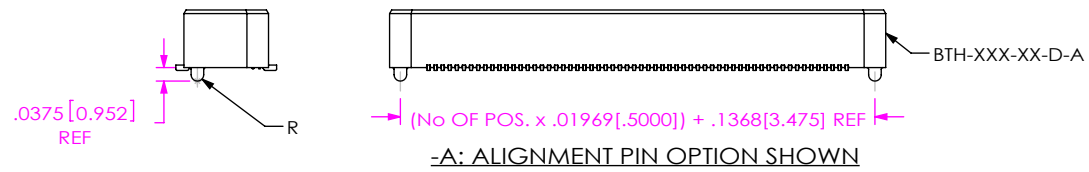
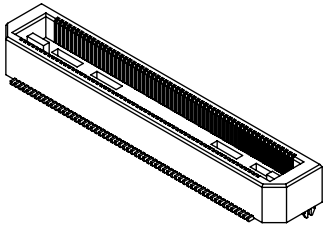


TABLE 1

STYLE	"A"	"B"	BODY	TERMINAL	MATED HEIGHT WITH BSH
-01	.1680[4.267]	.1600[4.064]	BTH-XXX-01-D(-A)	T-1S39-01-X	.1969[5.001] REF
-02	.2861[7.267]	.2781[7.064]	BTH-XXX-02-D(-A)	T-1S59-02-X	.3150[8.001] REF

- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - MINIMUM PUSHOUT FORCE: 6 OZ FOR STYLES -01 & -02
 8 OZ FOR STYLES -03 THRU -09
 - MAXIMUM VARIANCE: .002[0.05]
 - LEAD STYLES -03 THRU -09: TOP BODY (BTH) CANNOT HAVE -A OPTION.
 - L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
 - NOTE DELETED.
 - FOR NEW APPLICATIONS REQUIRING THESE POSITIONS, PLEASE CONTACT SAMTEC INTERCONNECT PROCESSING GROUP.
 - 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.
 - PIN CAN EXTEND PAST THE WALL: .003 [0.08].
 - FEATURE PRESENT ONLY ON -01 LEAD STYLE.
 - GATE PAD PRESENT ON BTH-XXX-02-D-X ONLY.
 - TR OPTION ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 - FR OPTIONS WILL BE SHIPPED AT THE MAX QUANTITY PER REEL, BASED ON OPTIONS SELECTED.



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

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INSULATOR: BLACK LCP
 FLAMMABILITY RATING: UL 94V-0

TERMINAL: PHOS BRONZE

DO NOT SCALE DRAWING SHEET SCALE: 1.875:1

DESCRIPTION:
 .5mm DOUBLE ROW TERMINAL ASSEMBLY

DWG. NO. **BTH-XXX-XX-X-D-XX**

BY: DEAN P 5/28/1999 SHEET 1 OF 3

F:\DWG\MISC\MKTG\BTH-XXX-XX-X-D-XX-MKT.SLDDRW



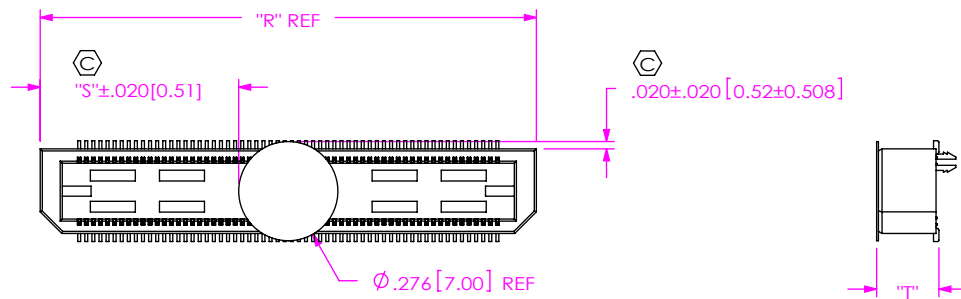
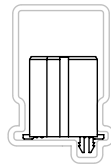


TABLE 3	
STYLE	"T"
-01	.173[4.39]
-02	.291[7.39]
-03	.409[10.39]
-04	.605[15.37]
-09	.527[13.39]

NOTE: "R" = (No OF POSITIONS x .01969[0.5000]) + .1968[5.000]
 "S" = (("R" - .276[7.01]) / 2) ±.020[0.51]

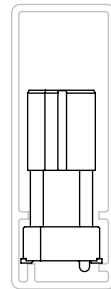
FIG 2
 -K: POLYIMIDE FILM PAD OPTION

[STYLES -01 & -02]



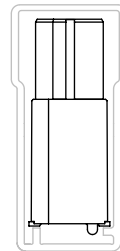
TUBE: PT-1-24-01-78
 PLUG: TP-03

[STYLES -03, -04, & -09]



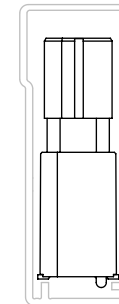
TUBE: PT-1-24-01-98
 PLUG: TP-26

[STYLE -05]



TUBE: PT-1-24-02-105
 PLUG: TP-07

[STYLE -06]



TUBE: PT-1-24-01-105
 PLUG: TP-26

PACKAGING VIEW
 (PARTS TO HAVE POSITION #01 LOADED IN SAME DIRECTION AS ARROW)

F:\DWG\MISC\MKTG\BTH-XXX-XX-X-D-XX-MKT.SLDDRW

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SHEET SCALE: 1.875:1



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

DESCRIPTION:
 .5mm DOUBLE ROW TERMINAL ASSEMBLY

DWG. NO.
BTH-XXX-XX-X-D-XX

BY: DEAN P 5/28/1999 SHEET 2 OF 3

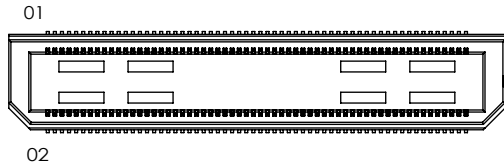


TABLE 4							
STYLE	SEE FIGURE	"C" OVERALL HEIGHT	TERMINAL	TOP BODY (SEE NOTE 4)	BOTTOM SPACER BODY (-LC OR NONE)	BOTTOM SPACER BODY (-A)	MATED HEIGHT WITH BSH-01
-03	3	.4042 [10.267]	T-1S60-03-X	BTH-XXX-02-D	BTHH-XXX-01-D	BTHH-XXX-01-D-A	.433 [11.00] REF
-04	3	.6000 [15.240]	T-1S60-04-X	BTH-XXX-02-D	BTHH-XXX-01-D	BTHH-XXX-01-D-A	.630 [16.00] REF
-05	4	.7180 [18.237]	T-1S60-05-X	BTH-XXX-02-D	BTHH-XXX-03-D	BTHH-XXX-03-D-A	.748 [19.00] REF
-06	4	.8360 [21.234]	T-1S60-06-X	BTH-XXX-02-D	BTHH-XXX-03-D	BTHH-XXX-03-D-A	.866 [22.00] REF
-09	3	.5224 [13.269]	T-1S60-09-X	BTH-XXX-02-D	BTHH-XXX-01-D	BTHH-XXX-01-D-A	.551 [14.00] REF

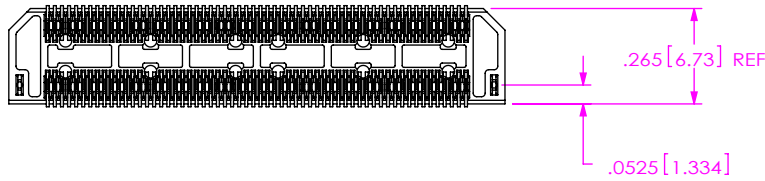
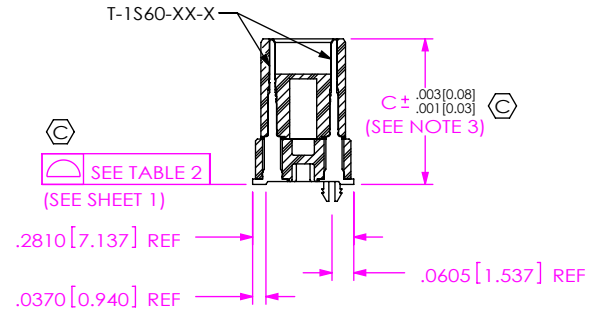
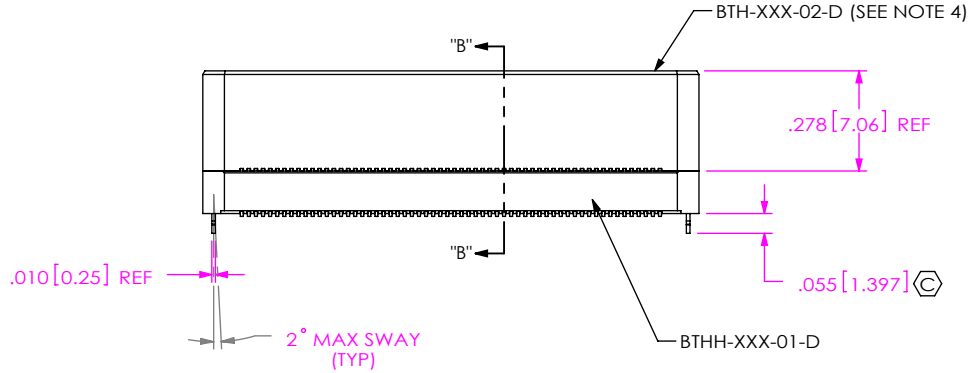


FIG 3
BTH-060-03-X-D-LC SHOWN
(STYLES -03, -04, & -09)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

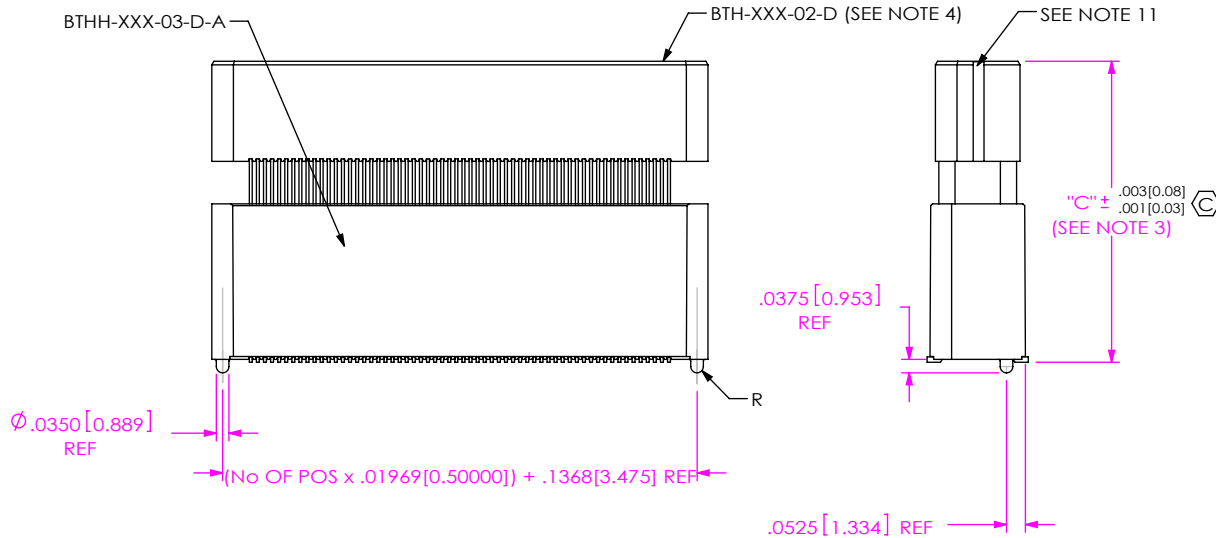



FIG 4
-A: ALIGNMENT PIN OPTION
BTH-060-06-X-D-A SHOWN
[STYLES -05 & -06]
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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BY: DEAN P 5/28/1999 SHEET 3 OF 3