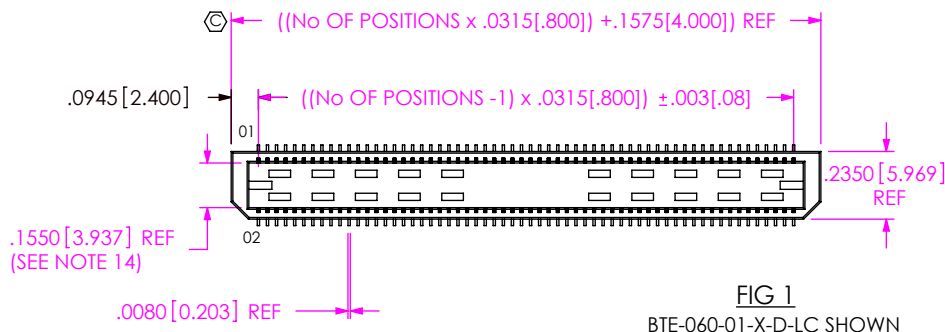
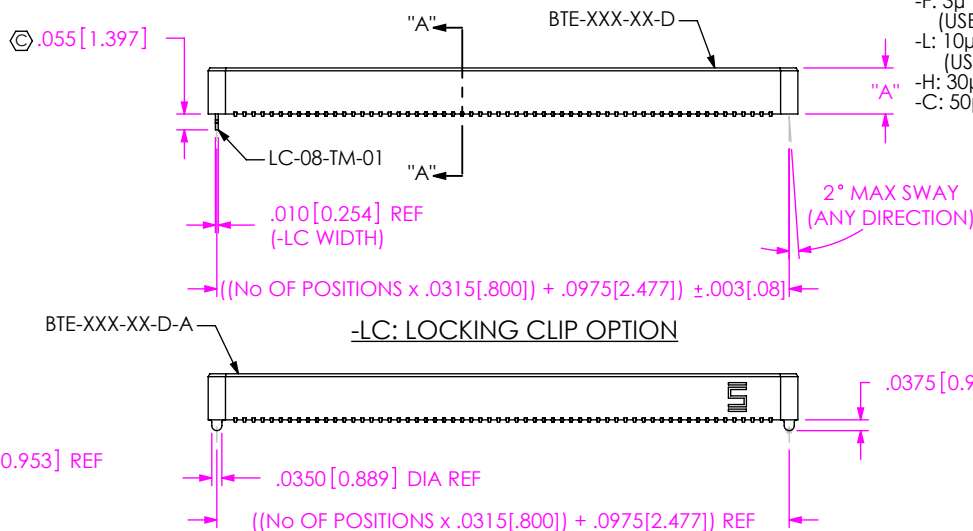


DO NOT  
SCALE FROM  
THIS PRINT

| TABLE 1 |                   |               |              |             |                       |
|---------|-------------------|---------------|--------------|-------------|-----------------------|
| STYLE   | "A"               | "B"           | BODY         | TERMINAL    | MATED HEIGHT WITH BSE |
| -01     | .1600[4.064] REF  | .1680[4.267]  | BTE-XXX-01-D | T-1S39-01-X | .1980[5.029] REF      |
| -02     | .2781[7.064] REF  | .2861[7.267]  | BTE-XXX-02-D | T-1S59-02-X | .3161[8.029] REF      |
| -03     | .3962[10.063] REF | .4042[10.267] | BTE-XXX-03-D | T-1S39-03-X | .4342[11.029] REF     |

FIG 1  
BTE-060-01-X-D-LC SHOWN

-A: ALIGNMENT PIN OPTION

- NOTES:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
  2. NOTE DELETED.
  3. BURR ALLOWANCE: .0015[.038] MAX.
  4. NOTE DELETED.
  5. MINIMUM PUSHOUT FORCE: 6 OZ.
  6. NOTE DELETED.
  7. PARTS TO BE MOLD TO POSITION.
  8. MAX VARIANCE OF .002[.05].
  9. BTE-XXX-03-D BODY CAN BE SUBSTITUTED FOR BTE-XXX-03-D-A.
  10. -L PLATING CAN BE SUBSTITUTED FOR -F PLATING.
  11. NOTE DELETED.
  12. NOTE DELETED.
  13. 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."
  14. PIN CAN EXTEND PAST WALL .003[.08] MAX.
  15. NOTE DELETED.
  16. NOTE DELETED.
  17. ANY CHANGES SHOULD ALSO BE APPLIED TO QTH, QTE, QTS, BTH, BTE, AND BTS.
  18. TUBES ARE STANDARD PACKAGING.
  19. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
  20. ATTACH LABEL-4X2 TO EACH REEL.

BTE-XXX-XX-X-D-XX-X-XX

## No OF POSITIONS

-020, -040, -060,  
[-080, \*.090, -100, -120]  
(PER ROW)

\*-03, -04 &amp; -08 BODY STYLE ONLY

## BODY STYLE

-01: .1680[4.267]  
-02: .2861[7.264]  
-03: .4042[10.266]  
-04: .6010[15.265]  
-05: .7190[18.263]  
-06: .8370[21.260]  
-07: .9542[24.237]  
-08: 1.1511[29.238]  
-09: .5224[13.269]

## PACKAGING

-BLANK: TUBES (SEE NOTES 18 & 19)  
-TR: TAPE & REEL (80 POS MAX)  
[N/A ON STYLE -05, -06, -07 & -08]  
(SEE NOTES 19 & 20)  
-FR: FULL REEL QTY. TAPE & REEL (80 POS MAX)  
[N/A ON STYLE -05, -06, -07 & -08]  
(SEE NOTE S 19 & 20)

## PICK &amp; PLACE OPTION

-K: POLYIMIDE FILM  
(N/A ON STYLES -07 & -08)  
(USE K-DOT-.276-.375-.005, SEE FIG 2)

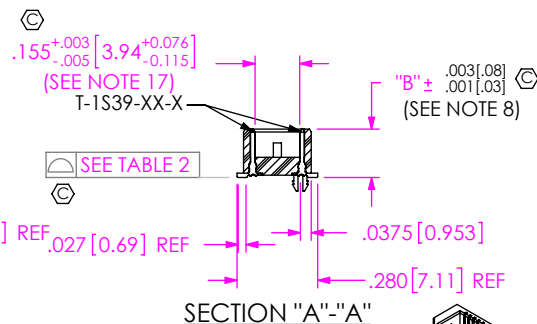
## OPTION

-A: ALIGNMENT PINS  
(USE BTE-XXX-XX-D-A)  
-LC: LOCKING CLIPS (SEE NOTE 13)  
(USE LC-08-TM-01)  
-FL: FRICTION LOCK (SEE FIG 4, SHEET 3)  
(USE BTE-XXX-01-D-X-FL)  
(AVAIL ON LEAD STYLE -01 ONLY,  
-020 THRU -100 POSITIONS ONLY)

## ROW SPECIFICATION

-D: DOUBLE (USE BTE-XXX-XX-D-X  
& BTEH-XXX-XX-D-X)

## PLATING SPECIFICATION

-F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAILS  
(USE T-1SXX-XX-F) (SEE NOTE 10)  
-L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAILS  
(USE T-1SXX-XX-L) (SEE NOTE 10)  
-H: 30μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL (USE T-1SXX-XX-H)  
-C: 50μ" GOLD IN CONTACT AREA, MATTE TIN TAILS (USE T-1SXX-XX-C)

SECTION "A"-"A"

| TABLE 2       |             |
|---------------|-------------|
| POSITIONS     | COPLANARITY |
| -20 THRU -60  | .004[0.10]  |
| -80 THRU -100 | .006[0.15]  |
| -120          | .007[0.18]  |

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

## PROPRIETARY NOTE

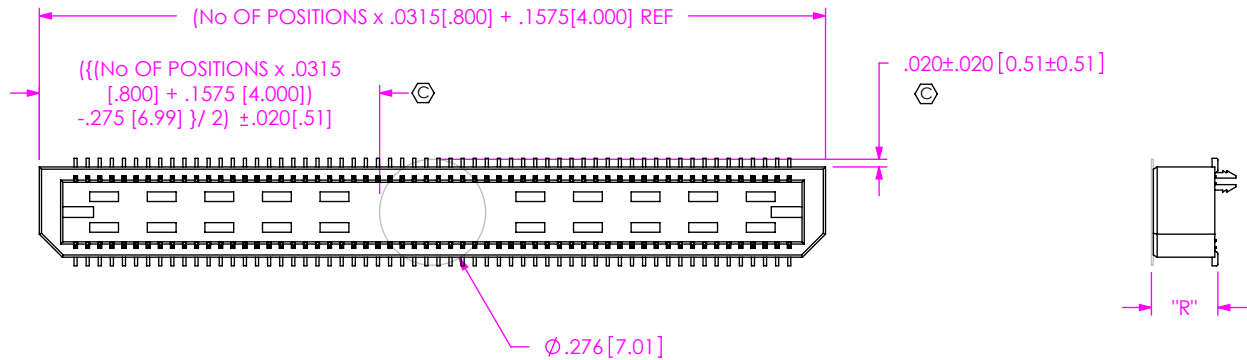
THIS DOCUMENT CONTAINS CONFIDENTIAL AND  
PROPRIETARY INFORMATION AND ALL DESIGN,  
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS  
AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC,  
INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE  
OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR  
REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY  
OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS  
WRITTEN CONSENT OF SAMTEC, INC.MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.5:1  
INSULATOR: LCP, COLOR: BLACK, FLAMMABILITY RATING: UL94VO  
TERMINAL: PHOS BRONZEDESCRIPTION:  
.8mm DOUBLE ROW TERMINAL ASSEMBLYDWG. NO.  
**BTE-XXX-XX-X-D-XX-X-XX**

BY: DEAN P 03/22/1999 SHEET 1 OF 3

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

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

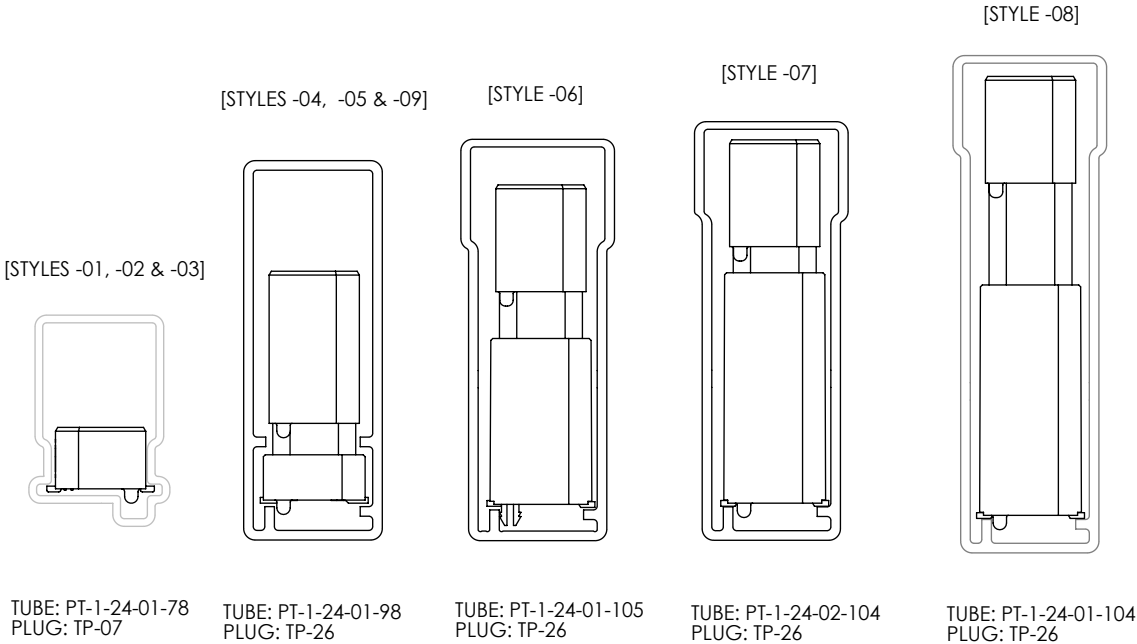
FIG 2  
-K: POLYIMIDE FILM PAD



| TABLE 3 |              |
|---------|--------------|
| STYLE   | "R"          |
| -01     | .173 [4.39]  |
| -02     | .291 [7.39]  |
| -03     | .409 [10.39] |
| -04     | .606 [15.39] |
| -05     | .724 [18.39] |
| -06     | .842 [21.39] |
| -09     | .527 [13.40] |

PACKAGING VIEW

[PARTS NEED TO BE LOADED PER PACKAGING VIEWS]  
[-05 LEADSTYLE PARTS WITH KAPTON TO BE  
LOADED WITH KAPTON RESTING ON THE TUBE RIBS].



| PACKAGING TABLE |                |       |
|-----------------|----------------|-------|
| STYLE           | PACKAGING TUBE | PLUG  |
| -01             | PT-1-24-01-78  | TP-07 |
| -02             |                |       |
| -03             |                |       |
| -04             | PT-1-24-01-98  | TP-26 |
| -05             |                |       |
| -06             |                |       |
| -07             |                |       |
| -08             | PT-1-24-02-104 | TP-26 |
| -09             | PT-1-24-01-98  |       |

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

**PROPRIETARY NOTE**  
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1



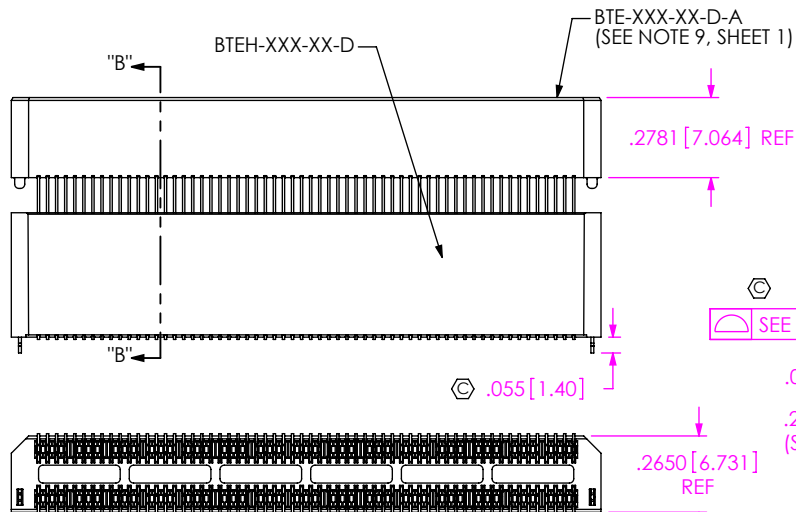
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
.8mm DOUBLE ROW TERMINAL ASSEMBLY

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

BY: DEAN P 03/22/1999 SHEET 2 OF 3

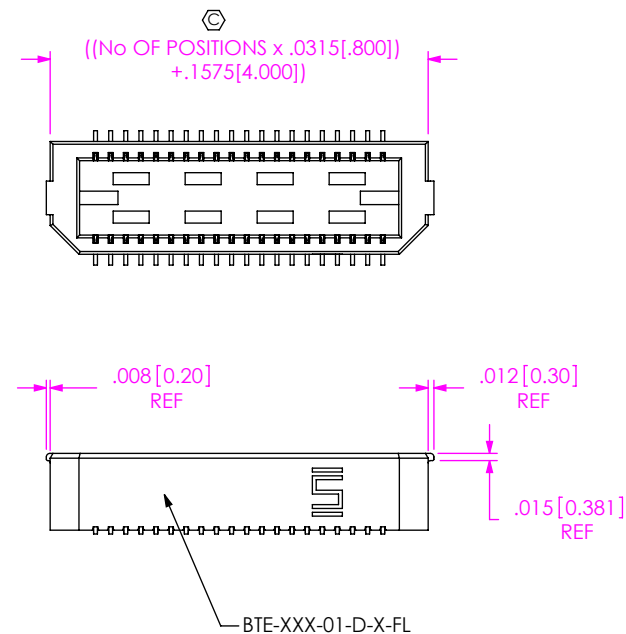
BTE-060-06-X-D-LC SHOWN  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1]



A cross-sectional view of a device. The top layer is labeled BTE-XXX-XX-D-A. Below it is a layer of vertical pillars, and the bottom layer is labeled BTEH-XXX-XX-D-A.

| TABLE 4 |                 |                                       |                 |                | MATED HEIGHT<br>WITH BSE |
|---------|-----------------|---------------------------------------|-----------------|----------------|--------------------------|
| STYLE   | "B"             | TERMINAL                              | BOTTOM BODY     | TOP BODY       |                          |
| -04     | .6010[15.265]   | T-1S41-04-X                           | BTEH-XXX-01-D-X | BTE-XXX-03-D-A | .634 [16.10] REF         |
| -05     | .7190[18.263]   | T-1S41-05-X                           | BTEH-XXX-01-D-X | BTE-XXX-03-D-A | .752 [19.10] REF         |
| -06     | .8370[21.260]   | T-1S51-06-X                           | BTEH-XXX-03-D-X | BTE-XXX-02-D-A | .867 [22.02] REF         |
| -07     | .9542 [24.237]  | T-1S61-21-F, T-1S61-21-L, T-1S61-21-H | BTEH-XXX-04-D-X | BTE-XXX-02-D-A | .9842 [25.00] REF        |
| -08     | 1.1511 [29.238] | T-1S61-22-X                           | BTEH-XXX-04-D-X | BTE-XXX-02-D-A | 1.1811 [30.00] REF       |
| -09     | .5224 [13.269]  | T-1S60-09-X                           | BTEH-XXX-01-D-X | BTE-XXX-02-D-A | .551 [14.00] REF         |

-FL OPTION  
BTE-020-01-X-D-FL SHOWN  
(AVAILABLE ON -01 LEAD STYLE ONLY,  
-020 THRU -100 POSITIONS ONLY)  
[DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1]



THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

SHEET SCALE: 1.5:1

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

DWG. NO.

|            |            |              |
|------------|------------|--------------|
| BY: DEAN P | 03/22/1999 | SHEET 3 OF 3 |
|------------|------------|--------------|