



**THE DATASHEET OF
FTS-110-01-L-DV-P-TR**



DO NOT SCALE FROM THIS PRINT

FTS-1XX-XX-XX-XX-XX

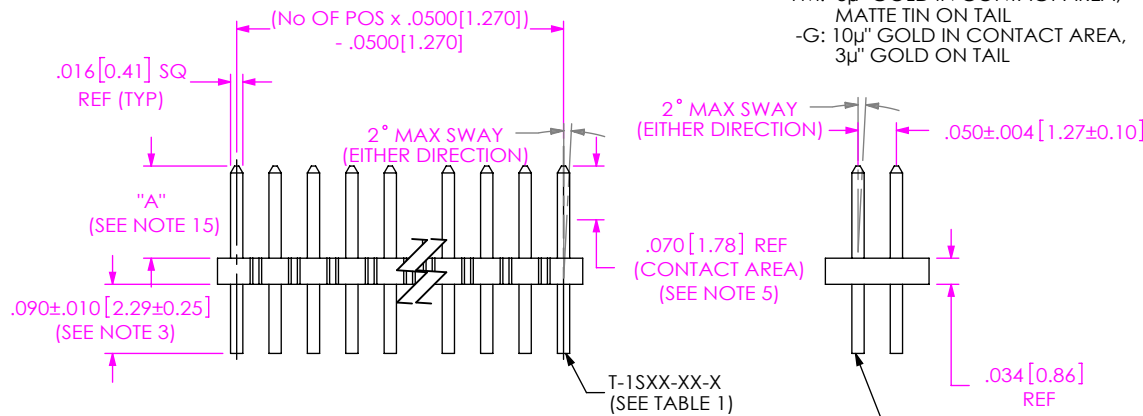
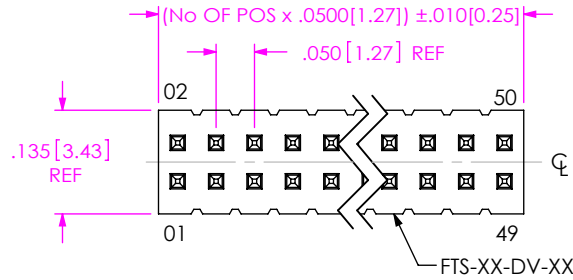
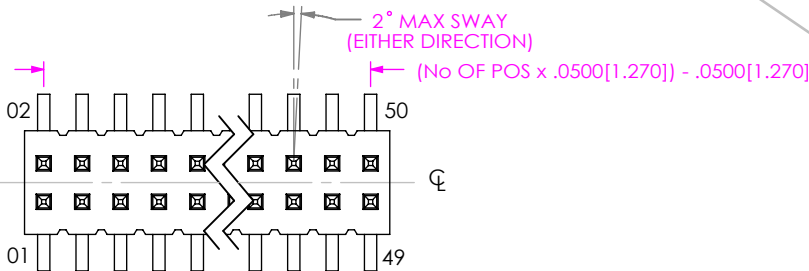


FIG 1
FTS-1XX-01-XX-D SHOWN



MAY SUBSTITUTE ASP-61746-05-X FOR RETENTION PURPOSES FOR -DV STYLE ONLY

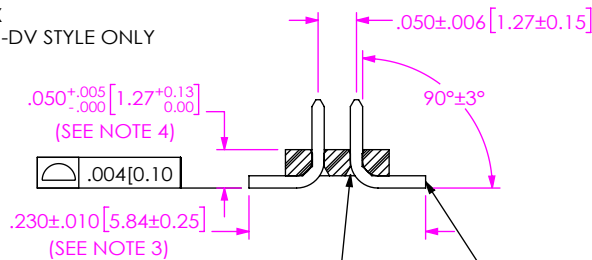


FIG 2
FTS-1XX-03-XX-DV SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

No OF POSITIONS
 -02 THRU -50 (UNSHROUDED)
 -05 THRU -46 (SHROUDED)

LEAD STYLE
 SEE TABLE 1

PLATING SPECIFICATION

- L: 10µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- S: 30µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30µ" GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL
- SM: 30µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- LM: 10µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- G: 10µ" GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL

OPTIONS

- P: PICK AND PLACE PAD (USE PPP-25) (AVAILABLE ON POSITIONS 04 THRU 50) (SEE FIG 5, SHT 2 & FIG 7, SHT 3) (USE PPP-25-NT FOR TAPE & REEL)
- TR: TAPE & REEL PACKAGING (SEE FIG 10, SHT 4) (SEE NOTE 16) (ONLY AVAILABLE WITH -DV OPTION)
- S: END SHROUDS (SEE FIG 3, SHT 2 & FIG 6 SHT 3) (LEAD STYLE -02 & -03 ONLY) (05 POS MINIMUM, 46 POS MAXIMUM) (NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)
- SA: END SHROUDS W/ ALIGNMENT PINS (SEE FIG 4, SHT 2 & FIG 8, SHT 3) (LEAD STYLE -02 & -03 ONLY) (05 POS MINIMUM, 46 POS MAXIMUM) (SEE NOTES 6 & 7)
- A: MOLDED ALIGNMENT PIN (USE FTS-XX-DV-XX) (ONLY AVAILABLE IN -DV OPTION, 5 POS MINIMUM) (SEE FIG 9, SHT 3) (NOT AVAILABLE WITH -S OPTION; ORDER -SA FOR ALIGNMENT PIN AND SHROUD)

TAIL OPTION

- D: DOUBLE ROW THROUGH HOLE
- DV: DOUBLE ROW VERTICAL SURFACE MOUNT

TABLE 1

| LEAD STYLE | "A" | HAND FILL | BKT MACHINE |
|------------|--------------|----------------|---------------|
| -01 | 0.120 [3.05] | T-1S40-04-XX-2 | T-1S15-03-XXX |
| -02 | 0.075 [1.91] | T-1S15-03-XXX | T-1S15-03-XXX |
| -03 | 0.065 [1.65] | T-1S15-06-XXX | T-1S15-03-XXX |
| -04 | 0.150 [3.81] | T-1S15-03-XXX | T-1S15-03-XXX |

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. PARTS MAY BE CUT TO POSITION.
3. SHEAR TAILS TO DIMENSION SHOWN.
4. MEASURED AT BEND RADIUS, NOT AT END OF PIN.
5. GOLD PLATING TO BE ON POST, TIN PLATING TO BE ON TAIL.
6. 4 POSITIONS PER ROW WILL BE COVERED BY SHROUDS. (2 POSITIONS PER ROW ON EACH END).
7. 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ALLOW FOR SHROUDS, EXAMPLE FTS-125-02-L-D-SA REQUIRES A 29 POSITION BODY.
8. NOTE DELETED.
9. MINIMUM PUSHOUT FORCE: .5 LB (8 OZ)
10. MAXIMUM CUT FLASH: .015[0.38]
11. PPP-25-NT MUST BE USED FOR ALL TAPE AND REEL PACKAGING.
12. FILL BODY SO THAT THE LEAD IN OF THE CORE IS ON THE TAILS SIDE FOR -DV OPTION ONLY.
13. MAXIMUM BURR ALLOWANCE: .003[0.08]
14. FOR PACKAGING OPTION LEFT BLANK. POSITIONS -05 THRU -50 TO BE TUBED. POSITIONS -02 THRU -04 ON TAIL OPTION -D TO BE LAYER PACKAGED. POSITIONS -02 THRU -04 ON TAIL OPTION -DV TO BE TAPE AND REELED.
15. MAX HEIGHT VARIATION BETWEEN ROWS: .005[0.13].
16. FOR QUANTITIES LESS THAN 125 PIECES, NO REEL WILL BE SUPPLIED.

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.



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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1
 INSULATOR: LCP, UL 94 V0, COLOR: BLACK
 TERMINAL: PHOS BRONZE

DESCRIPTION: .050 X .050 C.L. LOW PROFILE TERMINAL STRIP ASSEMBLY

DWG. NO. FTS-1XX-XX-XX-XX-XX

BY: BRATCHER 11/29/1993 SHEET 1 OF 4

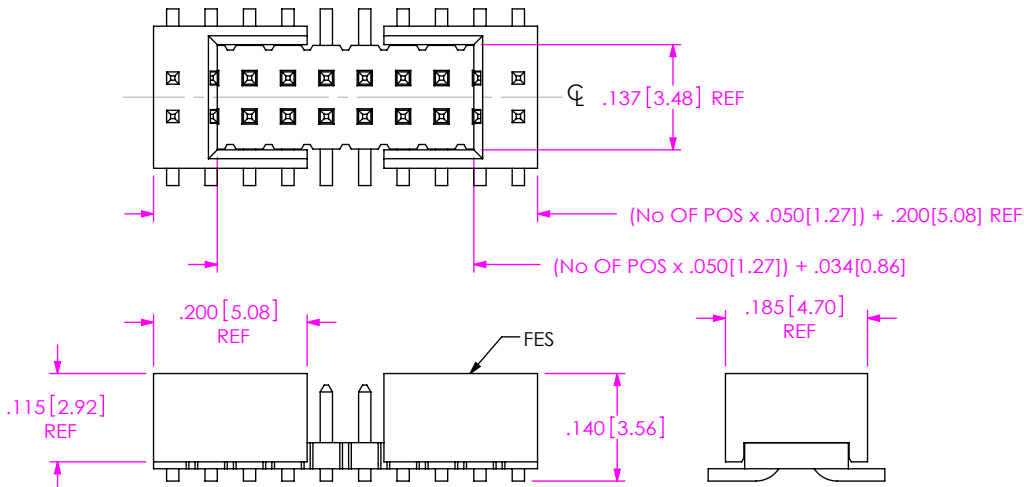


FIG 3
 -DV-S OPTION (SEE NOTES 6 & 7)
 FTS-106-02-XX-DV-S SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS
 (NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)

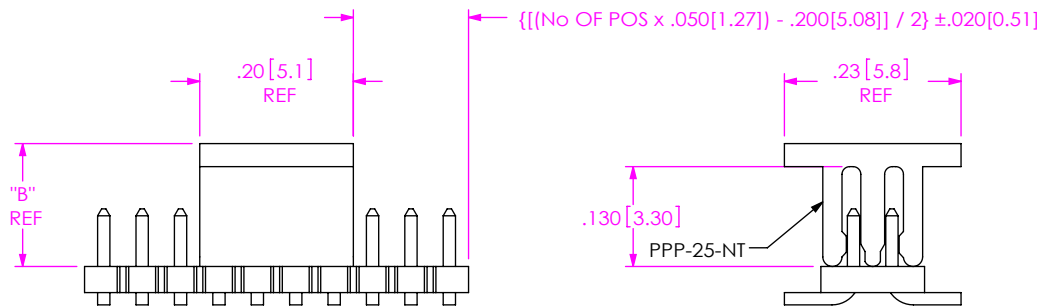


FIG 4
 -DV-SA OPTION (SEE NOTES 6 & 7)
 FTS-106-02-XX-DV-SA SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS

| TABLE 3 | |
|-------------|--------------|
| LEAD STYLE | "B" |
| -01, 02, 03 | 0.160 [4.06] |
| -04 | 0.180 [4.57] |

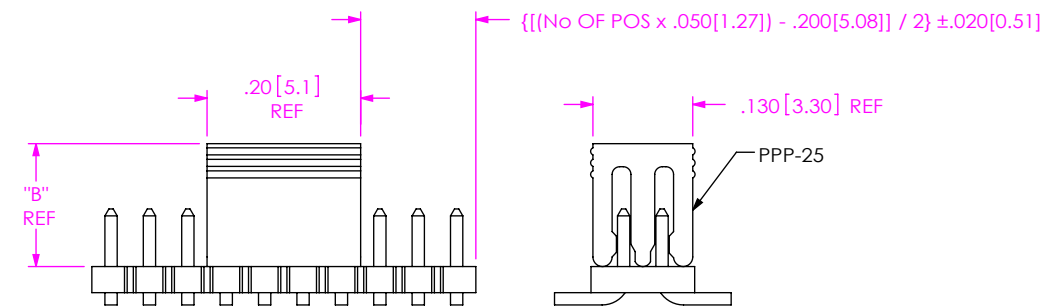


FIG 5
 -DV-P OPTION
 FTS-110-02-XX-DV-P SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

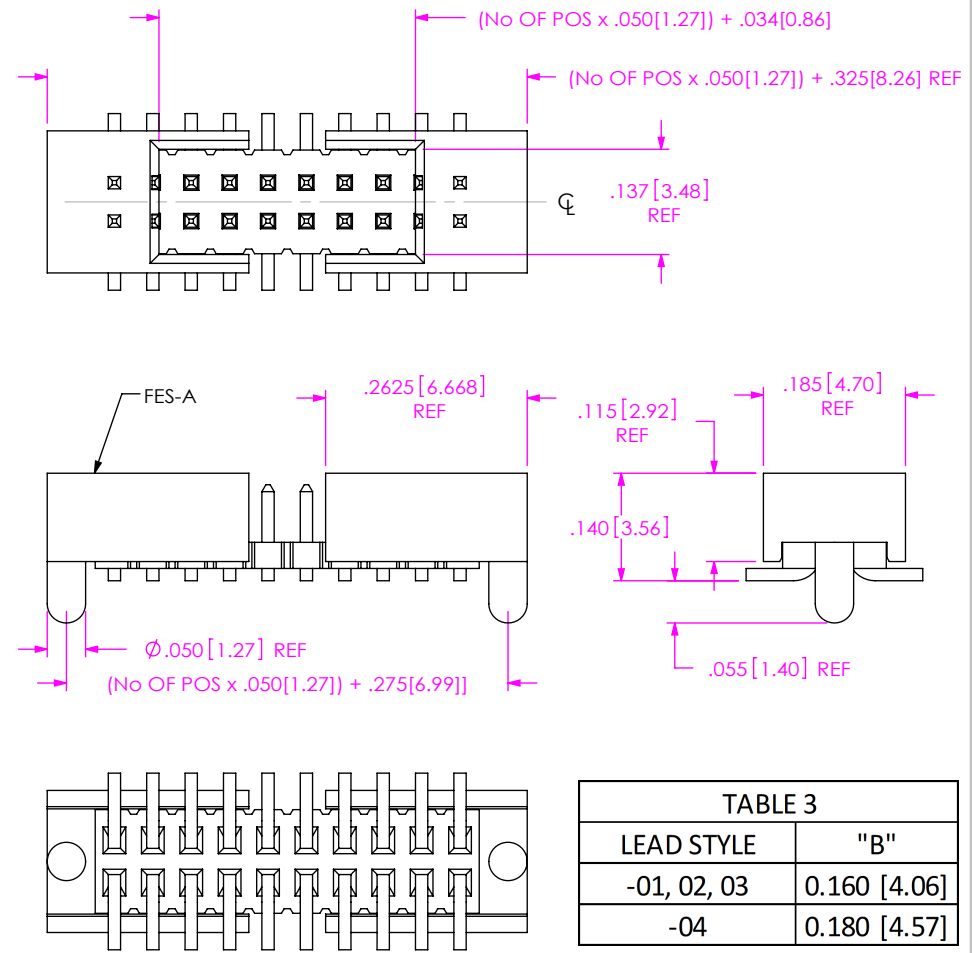


FIG 4
 -DV-SA OPTION (SEE NOTES 6 & 7)
 FTS-106-02-XX-DV-SA SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS

| TABLE 3 | |
|-------------|--------------|
| LEAD STYLE | "B" |
| -01, 02, 03 | 0.160 [4.06] |
| -04 | 0.180 [4.57] |

F:\DWG\MISC\MKTG\FTS-1XX-XX-XX-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: 4:1



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

DESCRIPTION: .050 X .050 C.L. LOW PROFILE TERMINAL STRIP ASSEMBLY
 DWG. NO. **FTS-1XX-XX-XX-XX-XX**
 BY: BRATCHER 11/29/1993 SHEET 2 OF 4

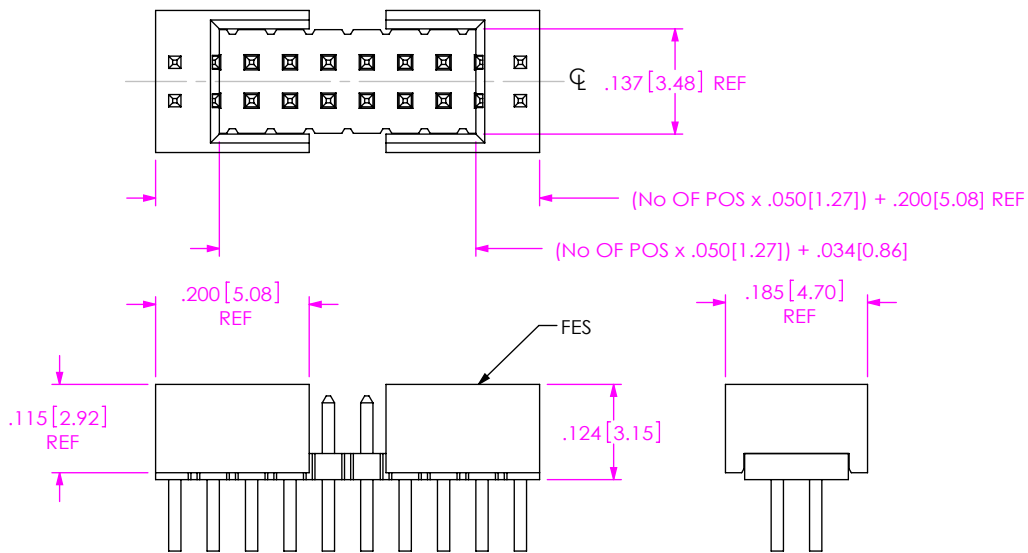


FIG 6

-D-S OPTION (SEE NOTES 6 & 7)
 FTS-106-02-XX-D-S SHOWN

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS
 (NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)

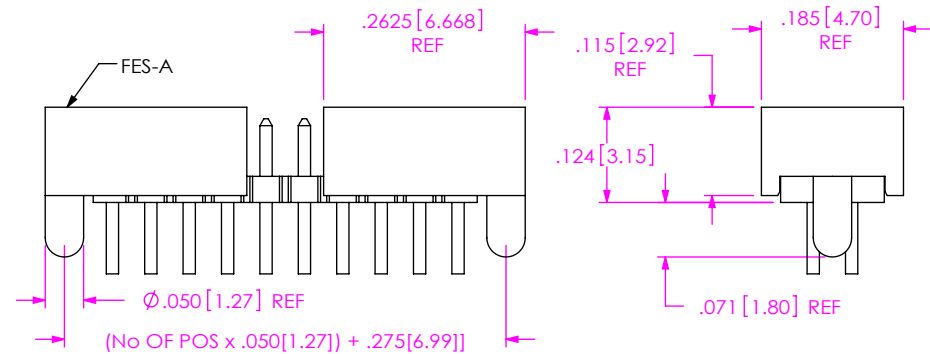
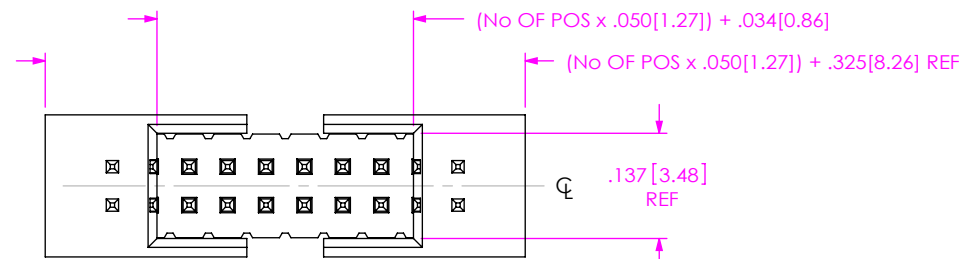


FIG 8

-D-SA OPTION (SEE NOTES 6 & 7)
 FTS-106-02-XX-D-SA SHOWN

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS

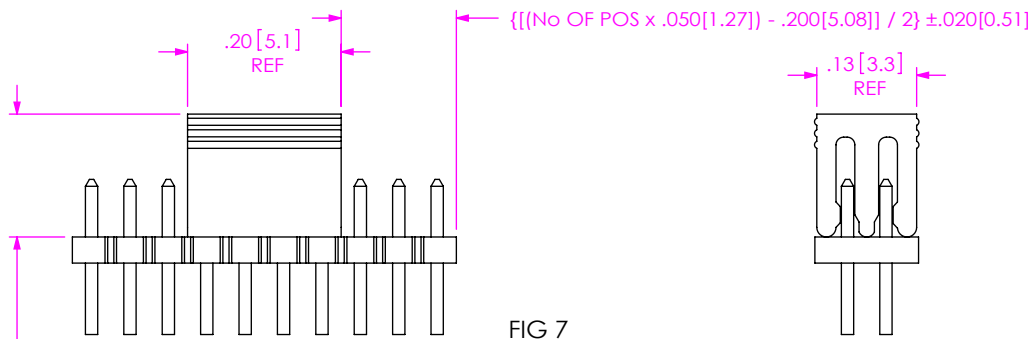


FIG 7

-D-P OPTION
 FTS-110-02-XX-D-P SHOWN

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

"B" REF
 (SEE TABLE 3, SHT 2)

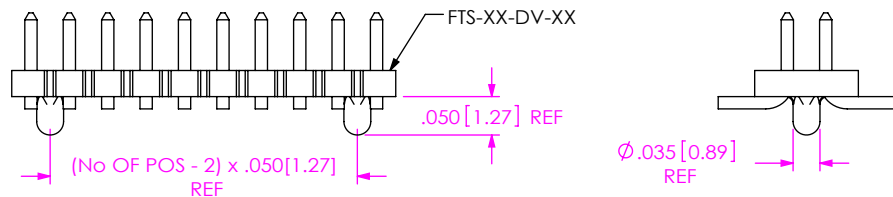


FIG 9

-A MOLDED ALIGNMENT PIN
 FTS-110-02-XX-DV-A SHOWN
 (ONLY AVAILABLE IN -DV OPTION)

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

F:\DWG\MISC\MKTG\FTS-1XX-XX-XX-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: 4:1

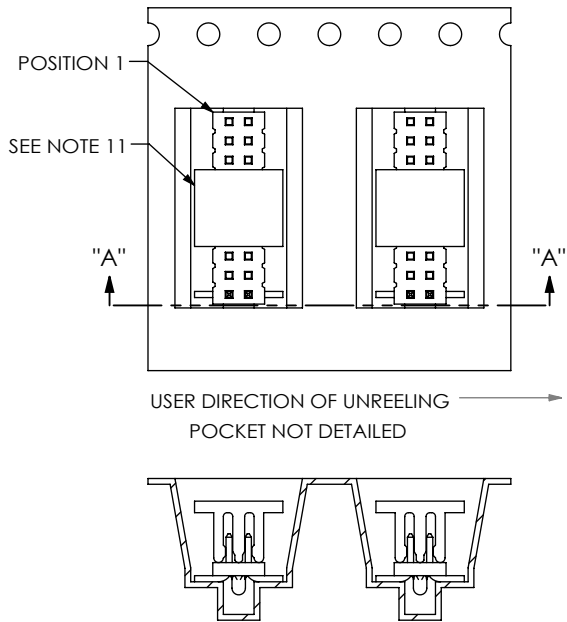


520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail info@SAMTEC.com code 55322

DESCRIPTION: .050 X .050 C.L. LOW PROFILE
 TERMINAL STRIP ASSEMBLY

DWG. NO. FTS-1XX-XX-XX-XX-XX

BY: BRATCHER 11/29/1993 SHEET 3 OF 4



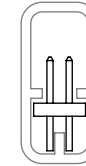
SECTION "A"- "A"

FIG 10
-TR: TAPE AND REEL PACKAGING WITH PPP-25-NT PAD
NOT AVAILABLE ON THROUGH HOLE LEAD STYLES

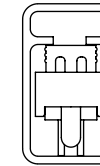
| TABLE 2 | | |
|-------------------------|----------------------|----------|
| LEAD STYLE | PACKAGING TUBE | PLUG |
| -01/02/03/04-D | PT-FW001-D-.070-.198 | TP-24 |
| -DV, -D-P, -DV-P, -DV-A | PT-1-24-01-43 | TP-24 |
| -D-S(A)-P | PT-1-24-11-09 | TP-24 |
| -DV-S(A)-P | PT-1-24-01-09 | TP-24 |
| -D-S(A) | PT-1-24-01-37 | TP-24-02 |
| DV-S(A) | PT-1-24-02-36 | TP-24-02 |

SEE NOTE 14

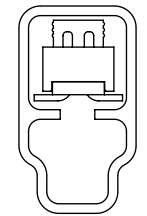
TUBE PACKAGING VIEW



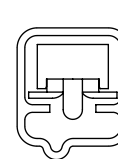
-01-D, -02-D, -03-D



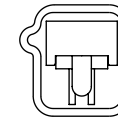
-D-S(A)-P



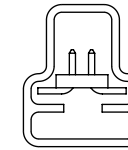
-DV-S(A)-P



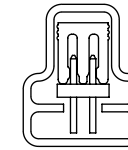
-DV-S(A)



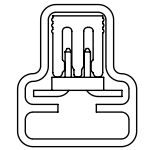
-D-S(A)



-DV



-D-P

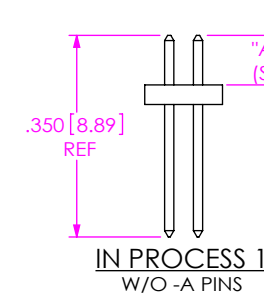


-DV-P

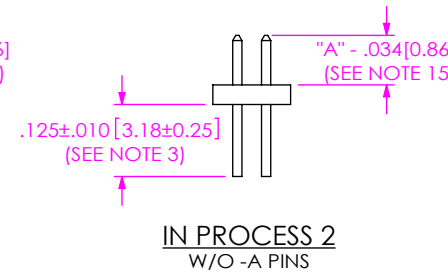
IN PROCESS VIEWS

(HANDFILL ONLY)

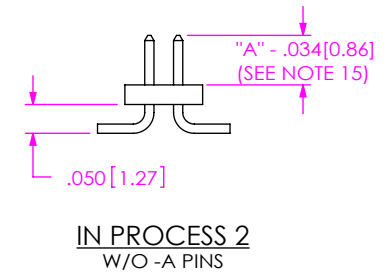
NOTE: -02 & -03 LEAD STYLES WITH -A PINS; BKT MACHINE ONLY



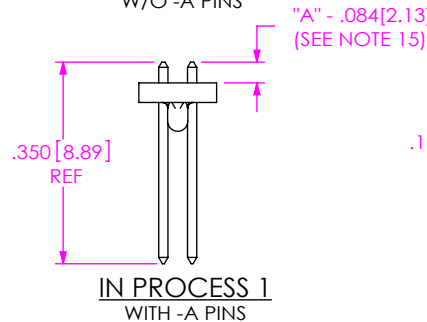
IN PROCESS 1
W/O -A PINS



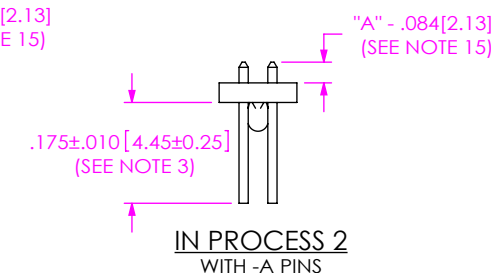
IN PROCESS 2
W/O -A PINS



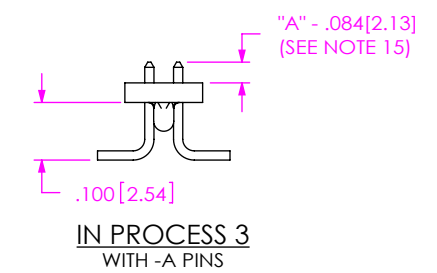
IN PROCESS 2
W/O -A PINS



IN PROCESS 1
WITH -A PINS



IN PROCESS 2
WITH -A PINS



IN PROCESS 3
WITH -A PINS

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: .050 X .050 C.L. LOW PROFILE
TERMINAL STRIP ASSEMBLY

DWG. NO. FTS-1 XX-XX-XX-XX-XX

BY: BRATCHER 11/29/1993 SHEET 4 OF 4

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View FTS-110-01-L-DV-P-TR on WIN SOURCE](#)

 [Samtec Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management