

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-1S15-02-XXX	T-1S15-03-XXX
-03	0.065 [1.65]	T-1S15-02-XXX	T-1S15-03-XXX
-04	0.150 [3.81]	T-1S15-02-XXX	T-1S15-03-XXX

DO NOT SCALE FROM THIS PRINT

**PACKAGING**  
 BLANK: TUBES/BULK (SEE NOTE 14)  
 -TR: TAPE & REEL PACKAGING (SEE FIG 10, SHT 4)  
 (SEE NOTE 19 & 20)  
 (ONLY AVAILABLE WITH -DV OPTION)  
 -FR: FULL REEL QTY. TAPE & REEL (SEE NOTE 19 & 20)  
 (ONLY AVAILABLE WITH -DV OPTION)  
 (SEE FIG 10, SHT 4)

**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

**PICK & PLACE OPTION**

-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)

**OPTIONS**

-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)  
 (SEE NOTES 6 & 7)  
 -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

- 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.
  15. MAX HEIGHT VARIATION BETWEEN ROWS: .005[0.13].
  16. NOTE DELETED
  17. NOTE DELETED
  18. ALL POSITIONS -2 THROUGH -4 FOR -DV MUST SHIP IN TAPE AND REEL WITH OR WITHOUT -XR IN THE CALLOUT
  19. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
  20. ATTACH LABEL TO EACH REEL

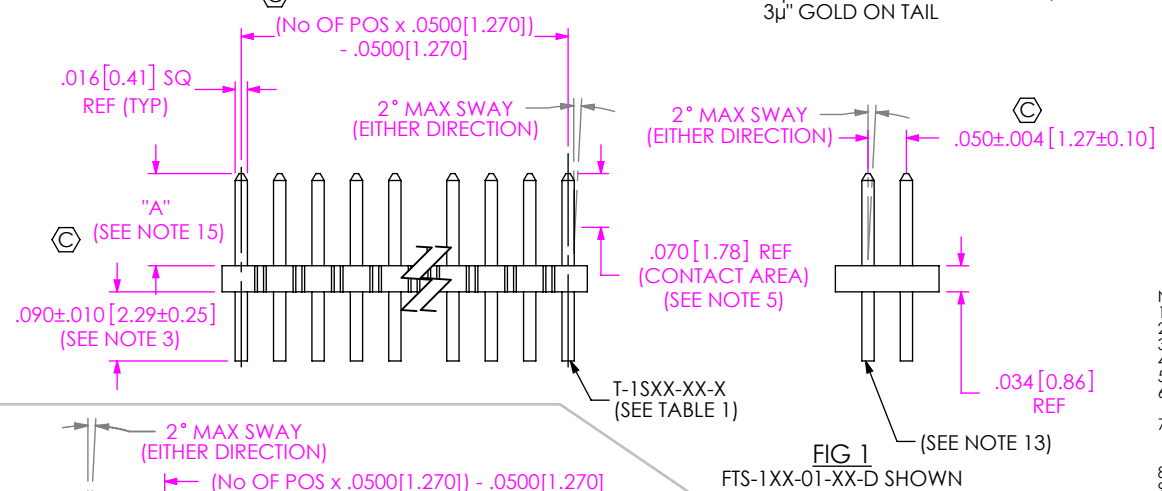
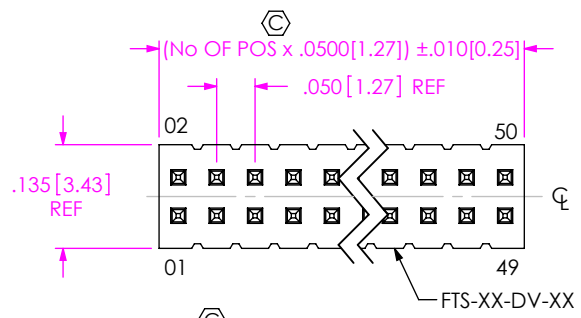
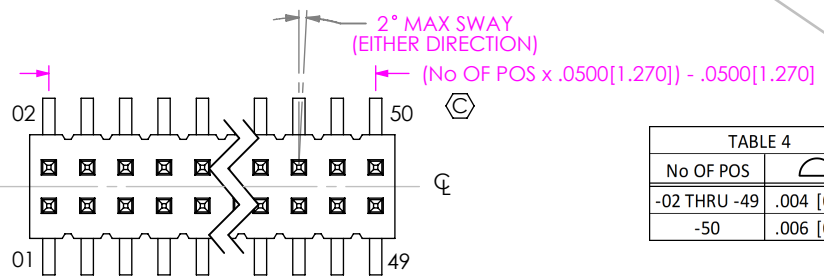


FIG 1  
 FTS-1XX-01-XX-D SHOWN



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

TABLE 4	
No OF POS	Ⓢ
-02 THRU -49	.004 [0.10]
-50	.006 [0.15]

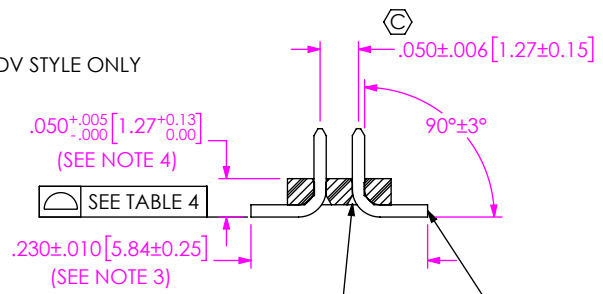


FIG 2  
 FTS-1XX-03-XX-DV SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

SECTION "B"-"B"

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 .XX: ±.01 [.3]  
 .XXX: ±.005 [.13]  
 .XXXX: ±.0020 [.051]

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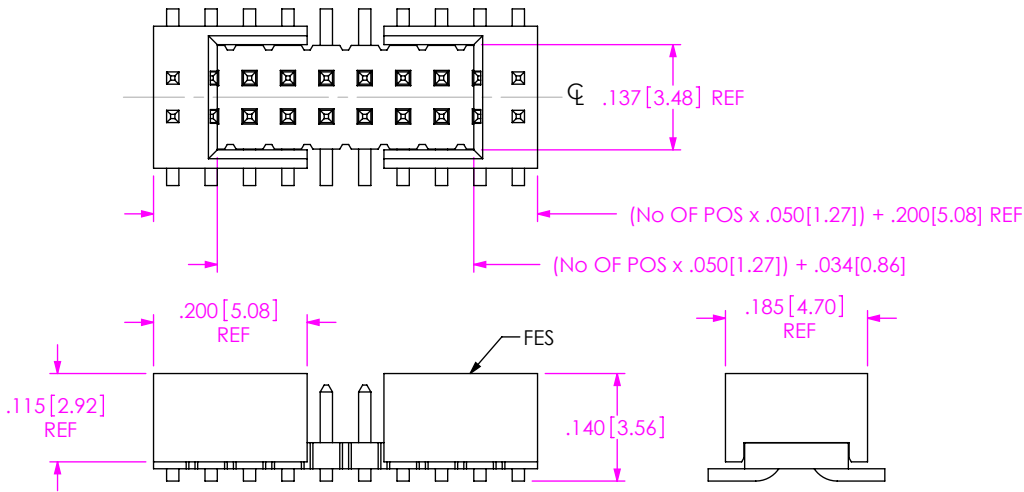
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 e-Mail info@SAMTEC.com code 53322

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

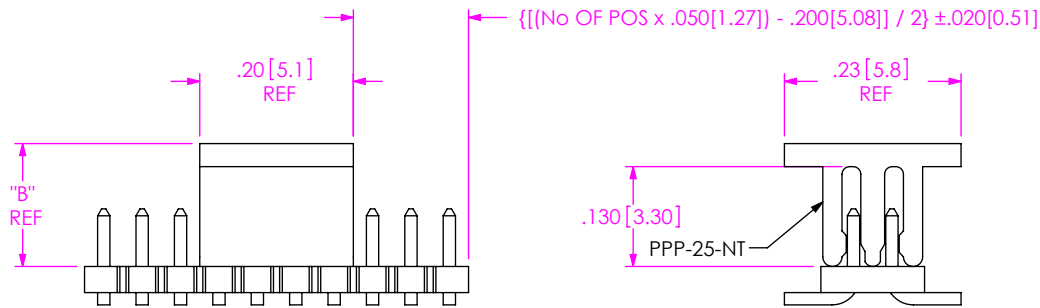
**DESCRIPTION:** .050 X .050 C.I.L. LOW PROFILE TERMINAL STRIP ASSEMBLY

DWG. NO.  
**FTS-1XX-XX-XX-XX-XX-X-XX**

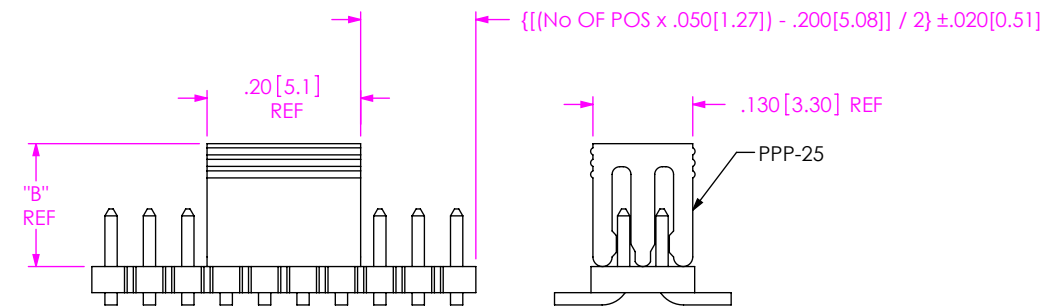
BY: BRATCHER 11/29/1993 SHEET 1 OF 4



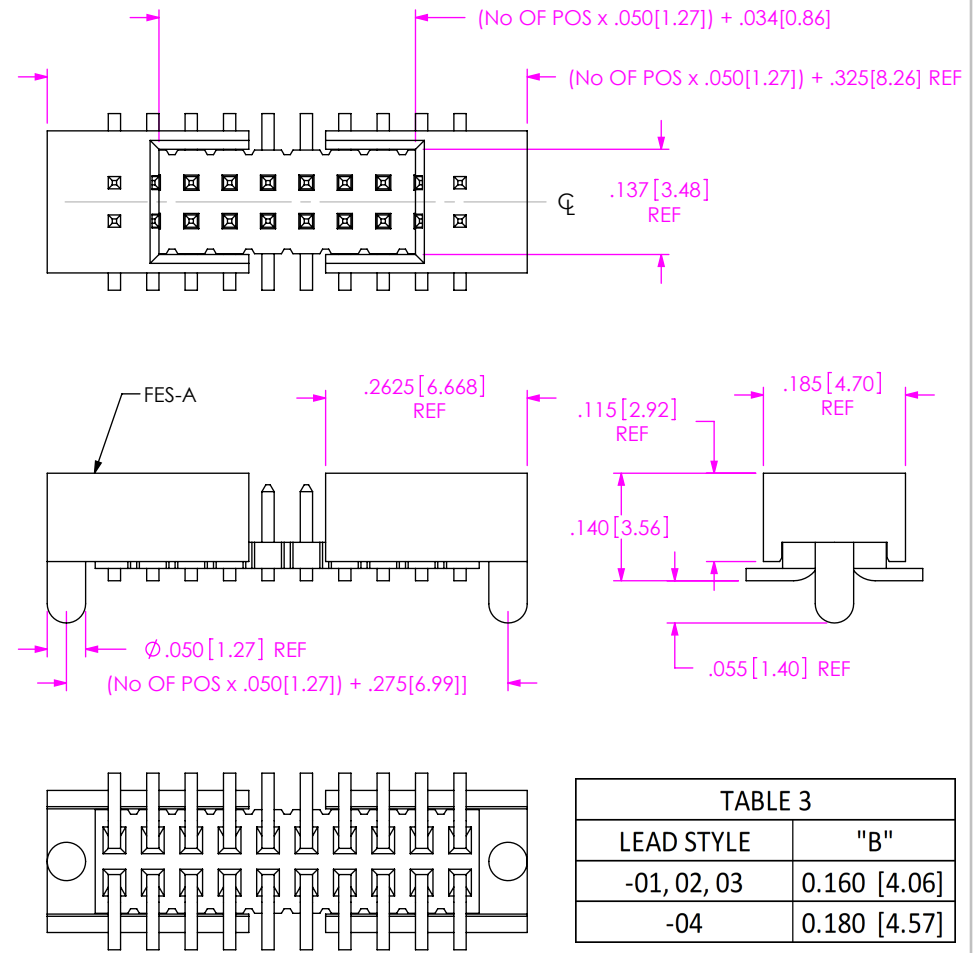
**FIG 3**  
 -DV-S OPTION (SEE NOTES 6 & 7)  
 FTS-106-02-XX-DV-S SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
 NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS  
 (NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)



(USE PPP-25-NT FOR TAPE AND REEL PACKAGING ONLY)



**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]

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DWG. NO. **FTS-1XX-XX-XX-XX-XX-X-XX**

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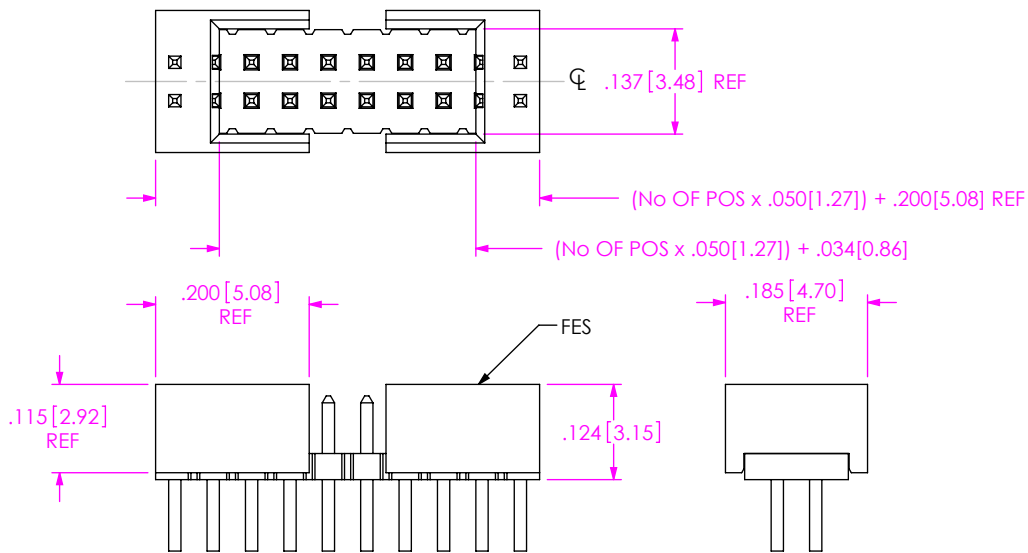


FIG 6

-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)

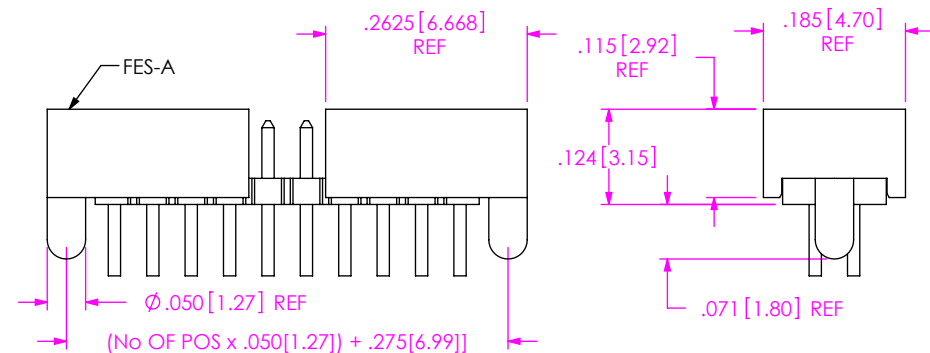
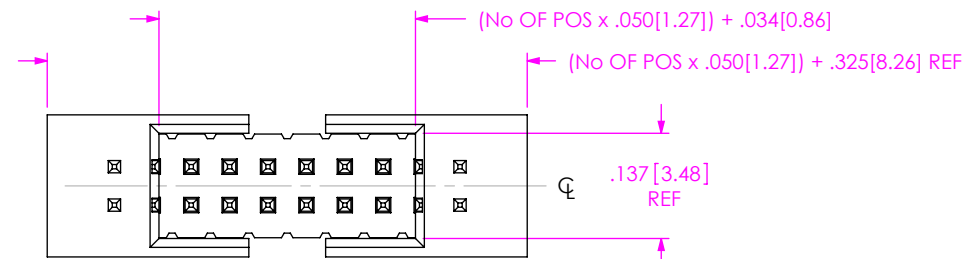


FIG 8

-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

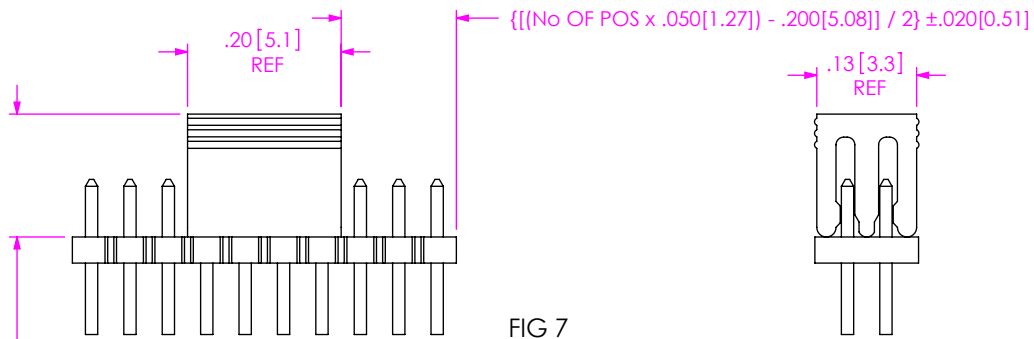


FIG 7

-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)

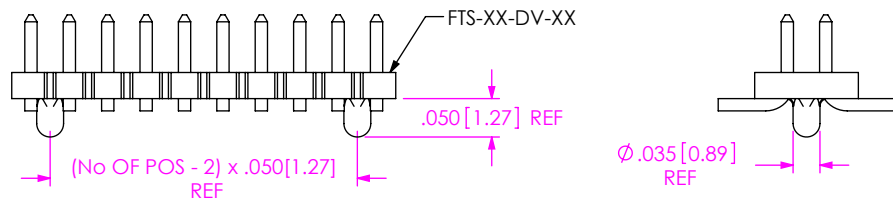


FIG 9

-A MOLDED ALIGNMENT PIN  
FTS-110-02-XX-DV-A SHOWN

(ONLY AVAILABLE IN -DV OPTION)

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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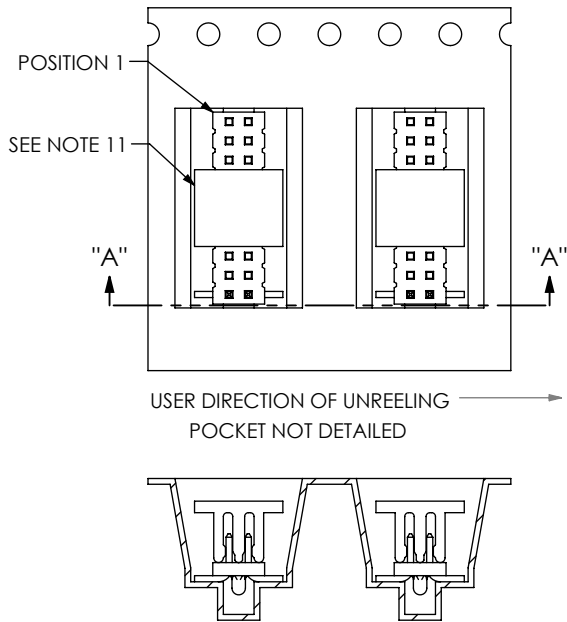


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SECTION "A"- "A"

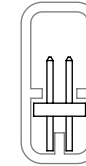
FIG 10

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

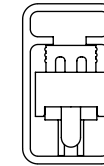
TABLE 2		
LEAD STYLE	PACKAGING TUBE	PLUG
-01/02/03/04-D	PT-FW001-D-.070-.198	TP-24
-DV, -D-P, -DV-P, -DV-A	PT-1-24-01-43	TP-24
-D-S(A)-P	PT-1-24-11-09	TP-24
-DV-S(A)-P	PT-1-24-01-09	TP-24
-D-S(A)	PT-1-24-01-37	TP-24-02
DV-S(A)	PT-1-24-02-36	TP-24-02

SEE NOTE 14

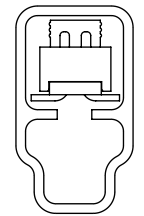
TUBE PACKAGING VIEW



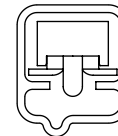
-01-D, -02-D, -03-D



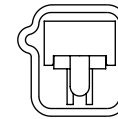
-D-S(A)-P



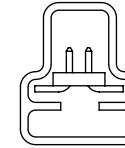
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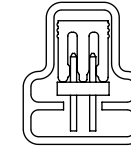
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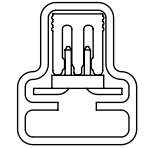
-D-S(A)



-DV



-D-P

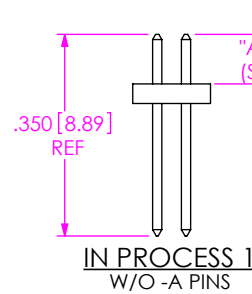


-DV-P

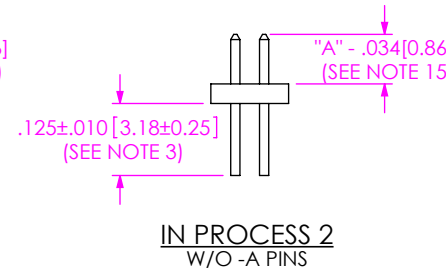
IN PROCESS VIEWS

(HANDFILL ONLY)

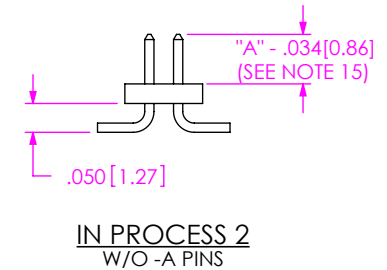
NOTE: -02 & -03 LEAD STYLES WITH -A PINS; BKT MACHINE ONLY



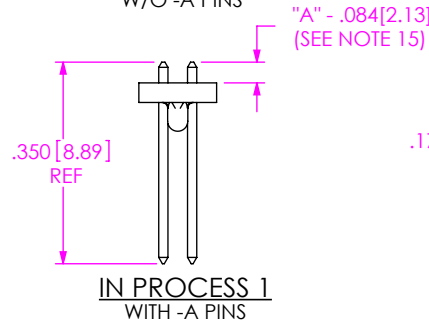
IN PROCESS 1  
W/O -A PINS



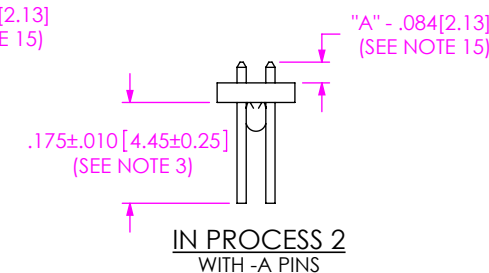
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W/O -A PINS



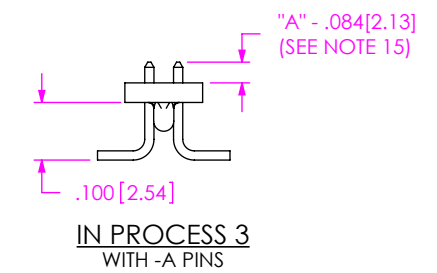
IN PROCESS 2  
W/O -A PINS



IN PROCESS 1  
WITH -A PINS



IN PROCESS 2  
WITH -A PINS



IN PROCESS 3  
WITH -A PINS

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TERMINAL STRIP ASSEMBLY

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