

DO NOT SCALE FROM THIS PRINT

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

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

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)

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:

- ⊙ REPRESENTS A CRITICAL DIMENSION.
- PARTS MAY BE CUT TO POSITION.
- SHEAR TAILS TO DIMENSION SHOWN.
- MEASURED AT BEND RADIUS, NOT AT END OF PIN.
- GOLD PLATING TO BE ON POST, TIN PLATING TO BE ON TAIL.
- 4 POSITIONS PER ROW WILL BE COVERED BY SHROUDS. (2 POSITIONS PER ROW ON EACH END).
- 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ALLOW FOR SHROUDS, EXAMPLE FTS-125-02-L-D-SA REQUIRES A 29 POSITION BODY.
- NOTE DELETED.
- MINIMUM PUSHOUT FORCE: .5 LB (8 OZ)
- MAXIMUM CUT FLASH: .015[0.38]
- PPP-25-NT MUST BE USED FOR ALL TAPE AND REEL PACKAGING.
- FILL BODY SO THAT THE LEAD IN OF THE CORE IS ON THE TAILS SIDE FOR -DV OPTION ONLY.
- MAXIMUM BURR ALLOWANCE: .003[0.08]
- FOR PACKAGING OPTION LEFT BLANK, POSITIONS -05 THRU -50 TO BE TUBED, POSITIONS -02 THRU -04 ON TAIL OPTION -D TO BE LAYER PACKAGED.
- MAX HEIGHT VARIATION BETWEEN ROWS: .005[0.13].
- NOTE DELETED
- NOTE DELETED
- ALL POSITIONS -2 THROUGH -4 FOR -DV MUST SHIP IN TAPE AND REEL WITH OR WITHOUT -XR IN THE CALLOUT
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
- ATTACH LABEL TO EACH REEL

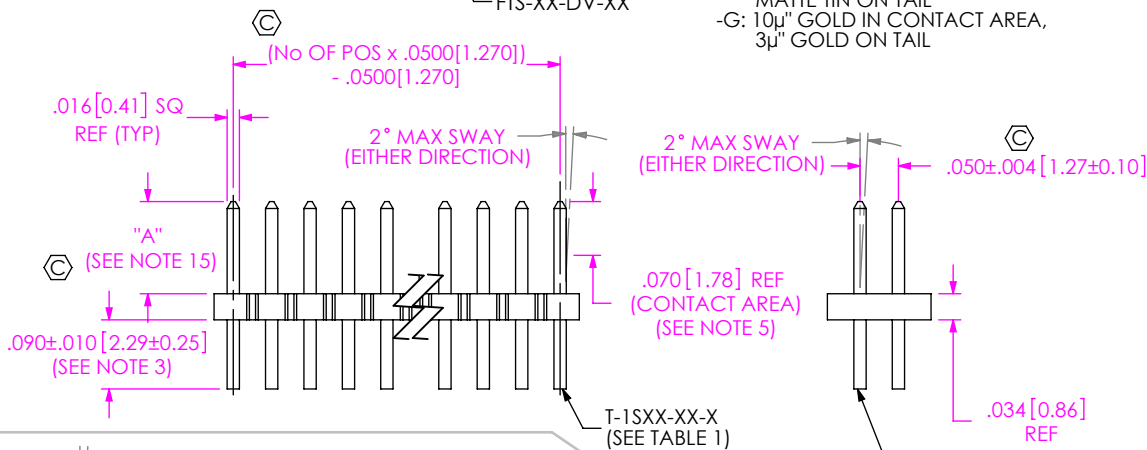
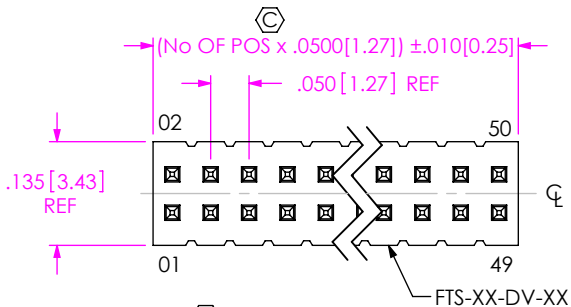


FIG 1  
FTS-1XX-01-XX-D SHOWN

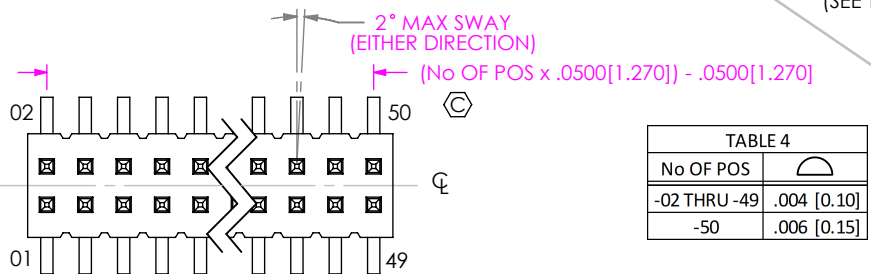


TABLE 4	
No OF POS	ANGLE
-02 THRU -49	.004 [0.10]
-50	.006 [0.15]

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

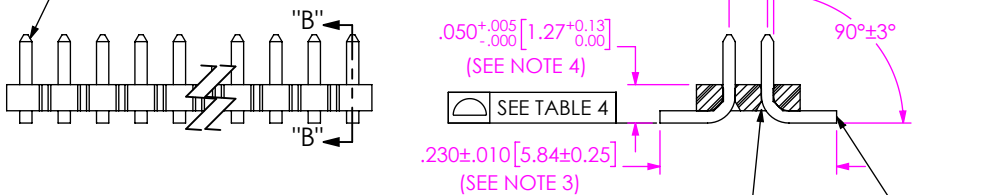


FIG 2  
FTS-1XX-03-XX-DV SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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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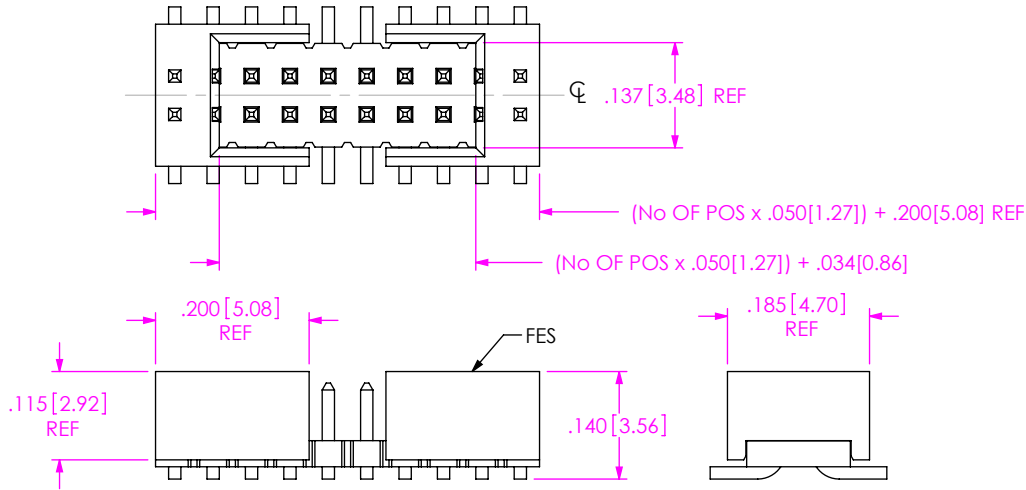
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e-Mail info@SAMTEC.com code 53322

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

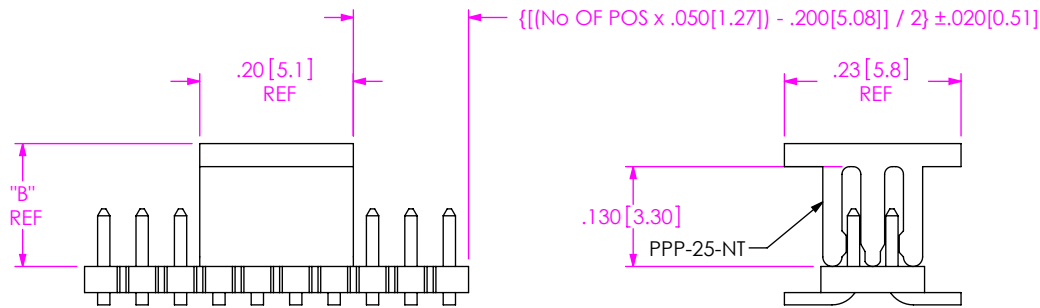
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DWG. NO.  
FTS-1XX-XX-XX-XX-XX-X-XX

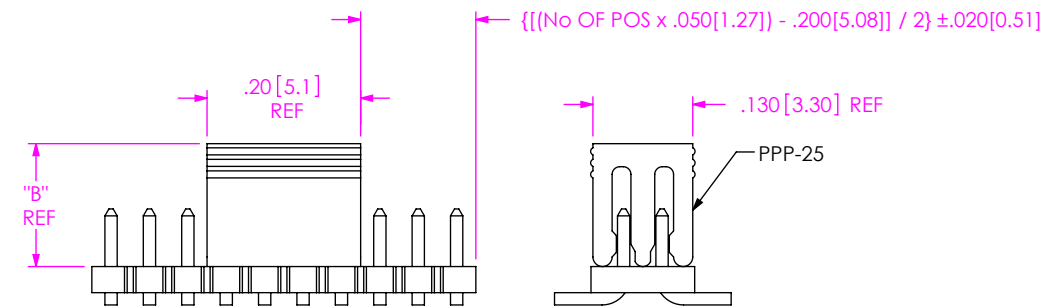
BY: BRATCHER 11/29/1993 SHEET 1 OF 4



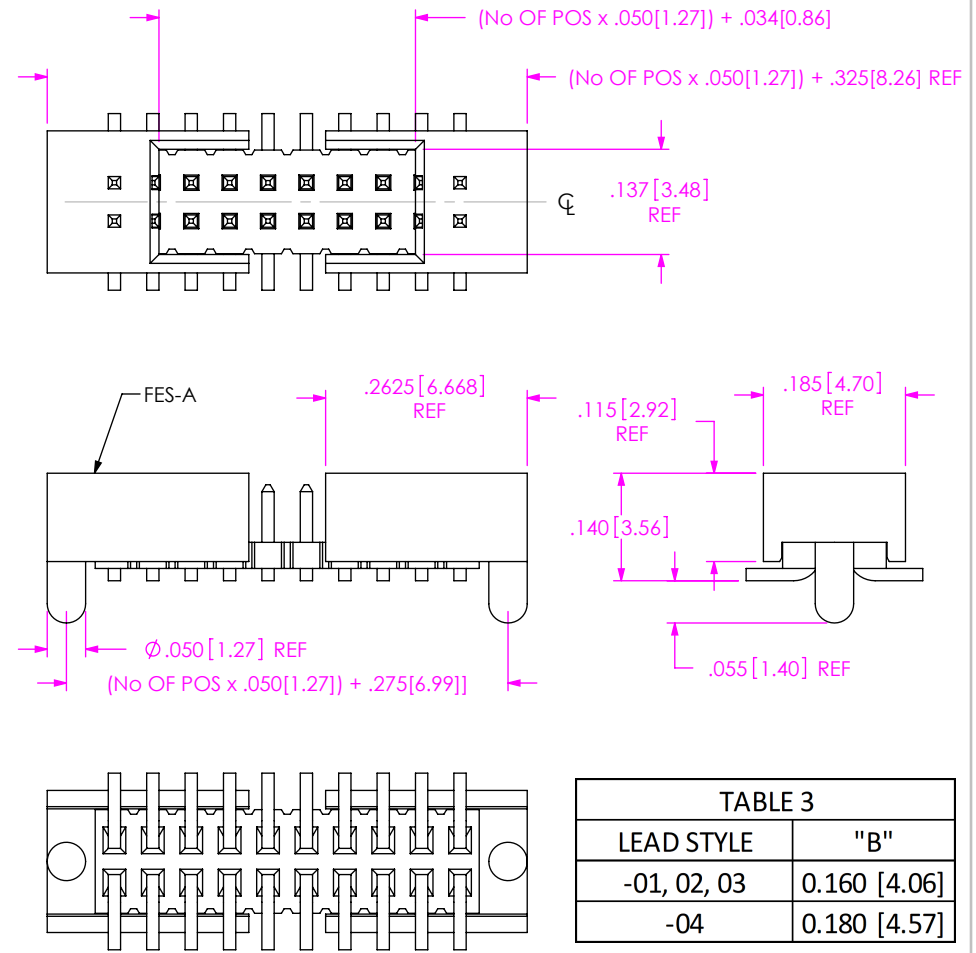
**FIG 3**  
 -DV-S OPTION (SEE NOTES 6 & 7)  
 FTS-106-02-XX-DV-S SHOWN  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
 NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS  
 (NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)



(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

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

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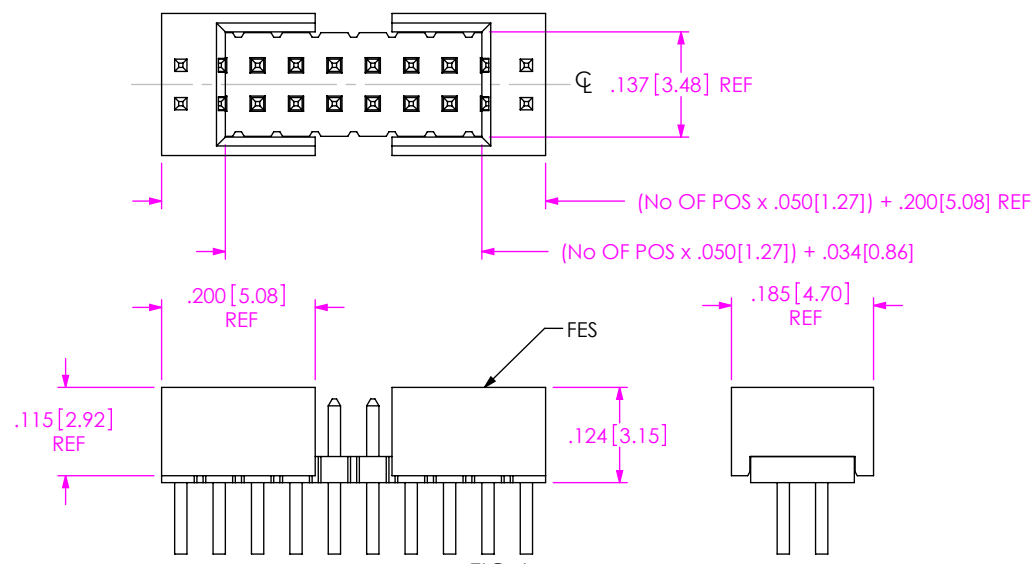


FIG 6

-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)

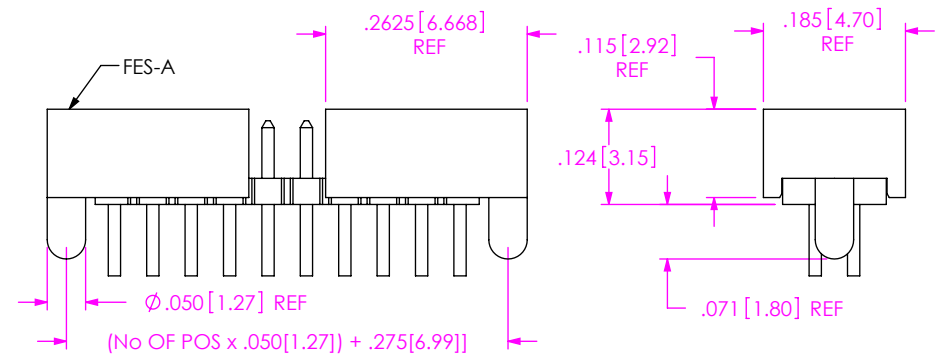
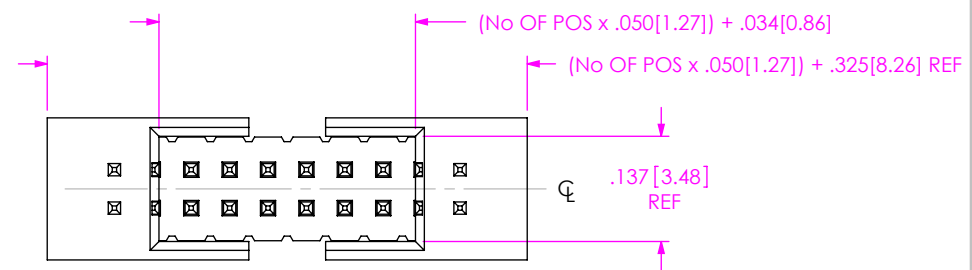


FIG 8

-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

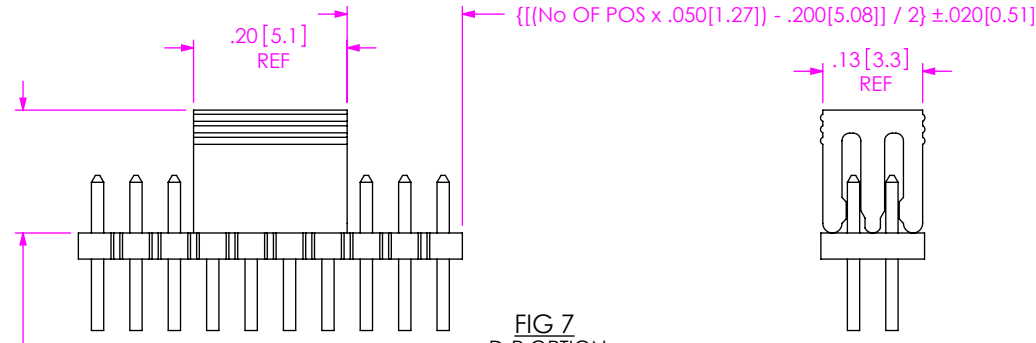


FIG 7

-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)

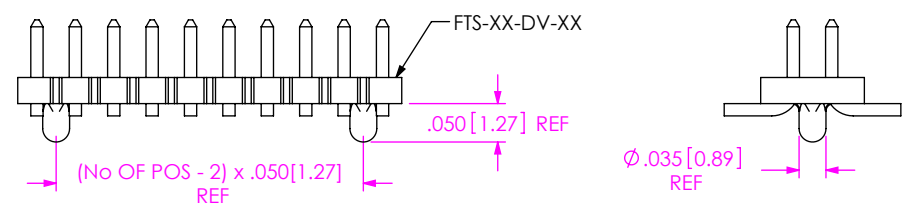


FIG 9

-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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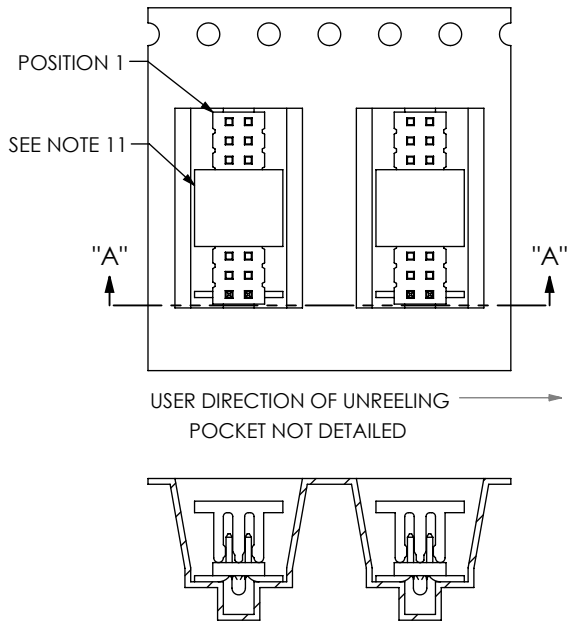


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DWG. NO. FTS-1XX-XX-XX-XX-X-XX

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SECTION "A"- "A"

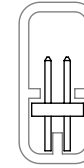
FIG 10

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

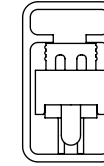
TABLE 2		
LEAD STYLE	PACKAGING TUBE	PLUG
-01/02/03/04-D	PT-FW001-D-.070-.198	TP-24
-DV, -D-P, -DV-P, -DV-A	PT-1-24-01-43	TP-24
-D-S(A)-P	PT-1-24-11-09	TP-24
-DV-S(A)-P	PT-1-24-01-09	TP-24
-D-S(A)	PT-1-24-01-37	TP-24-02
DV-S(A)	PT-1-24-02-36	TP-24-02

SEE NOTE 14

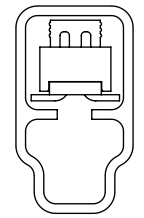
TUBE PACKAGING VIEW



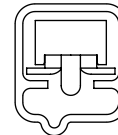
-01-D, -02-D, -03-D



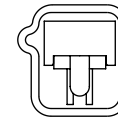
-D-S(A)-P



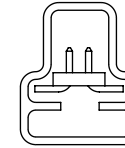
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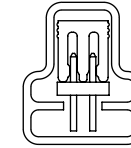
-DV-S(A)



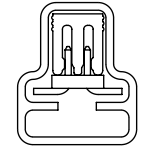
-D-S(A)



-DV



-D-P

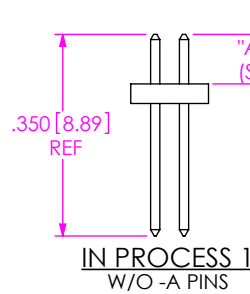


-DV-P

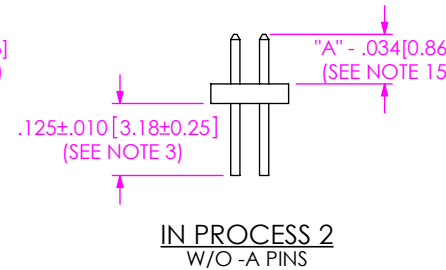
IN PROCESS VIEWS

(HANDFILL ONLY)

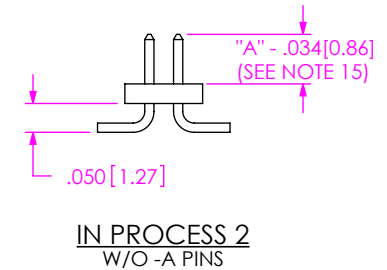
NOTE: -02 & -03 LEAD STYLES WITH -A PINS; BKT MACHINE ONLY



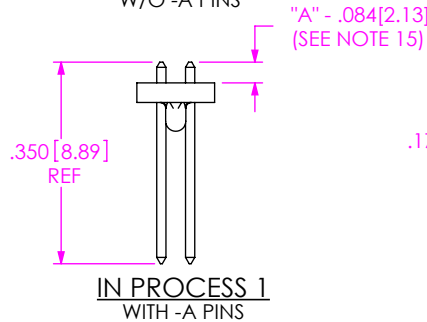
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W/O -A PINS



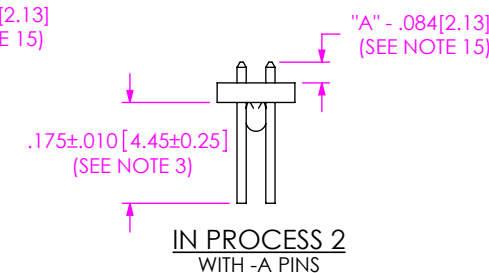
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W/O -A PINS



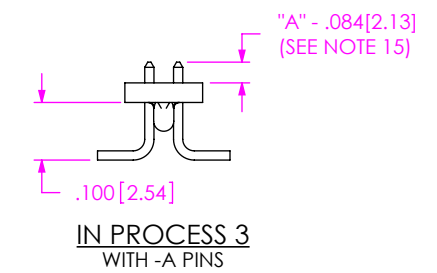
IN PROCESS 2  
W/O -A PINS



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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