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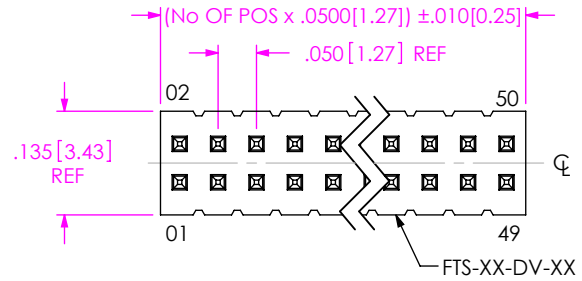

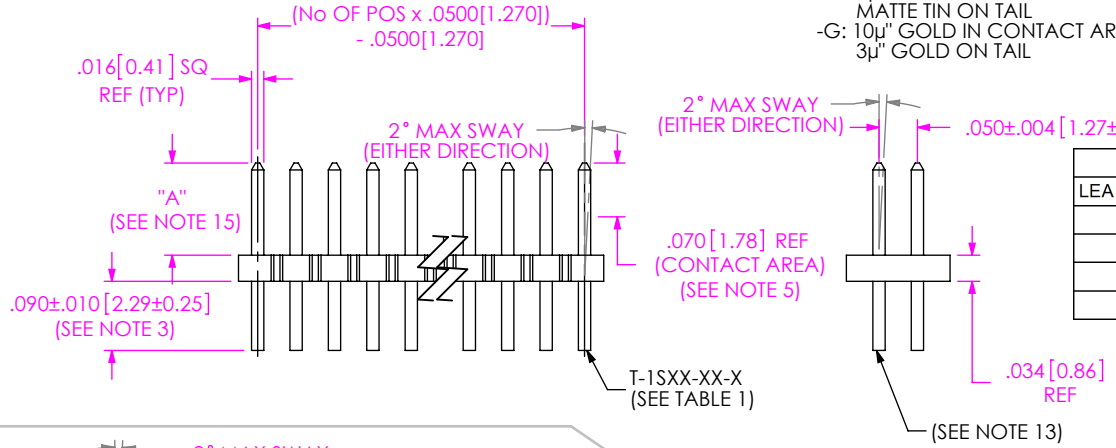

FIG 1
FTS-1XX-01-XX-D SHOWN

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

No OF POSITIONS
-02 THRU -50 (UNSHROUDED)
-06 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 14 & 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) (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 ALIGMENT 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	MICRO HEADER MACHINE	BKT MACHINE
-01	0.120 [3.05]	T-1S15-03-X	T-1S15-03-X	T-1S15-03-X
-02	0.075 [1.91]	T-1S15-03-X	T-1S15-03-X	T-1S15-03-X
-03	0.065 [1.65]	T-1S15-06-X	T-1S15-03-X	T-1S15-03-X
-04	0.150 [3.81]	T-1S15-03-X	T-1S15-03-X	T-1S15-03-X

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. 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.

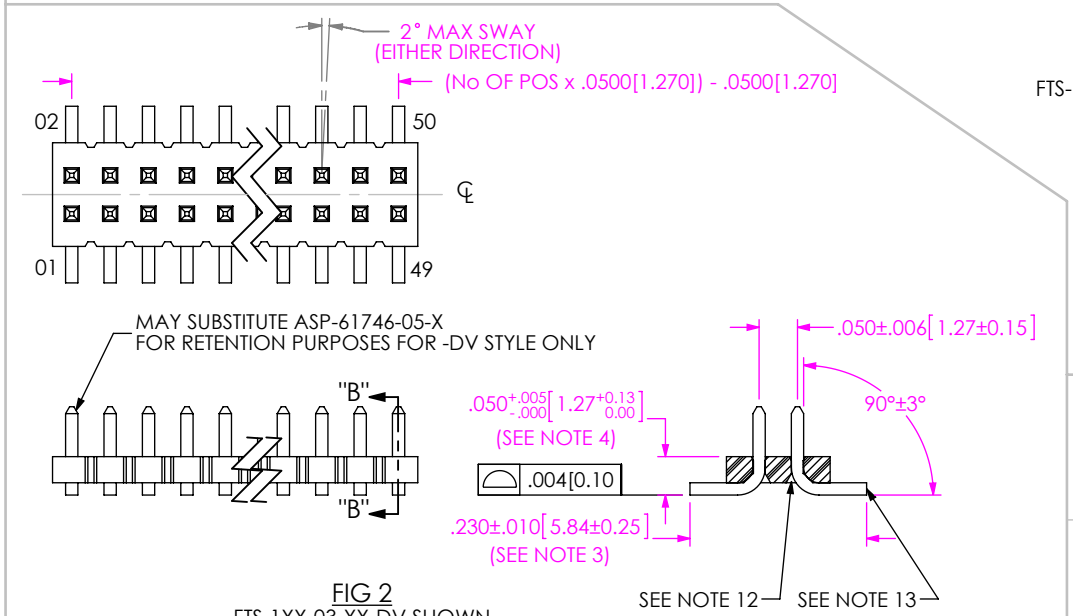

FIG 2
FTS-1XX-03-XX-DV SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

SECTION "B"-"B"

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS
.XX: ±.01 [.3]
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]
ANGLES
2°

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MATERIAL: INSULATOR: LCP, UL 94 V0, COLOR: BLACK
TERMINAL: PHOS BRONZE

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samtec
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

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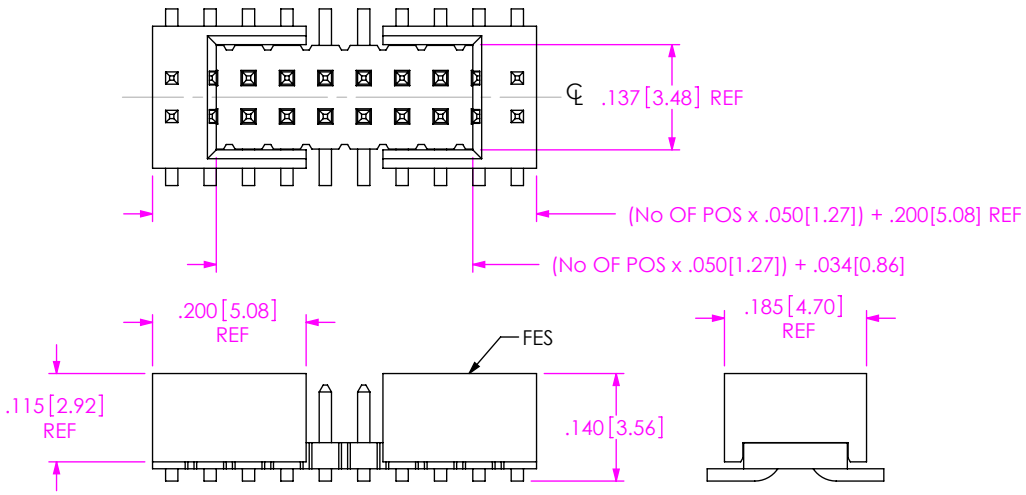
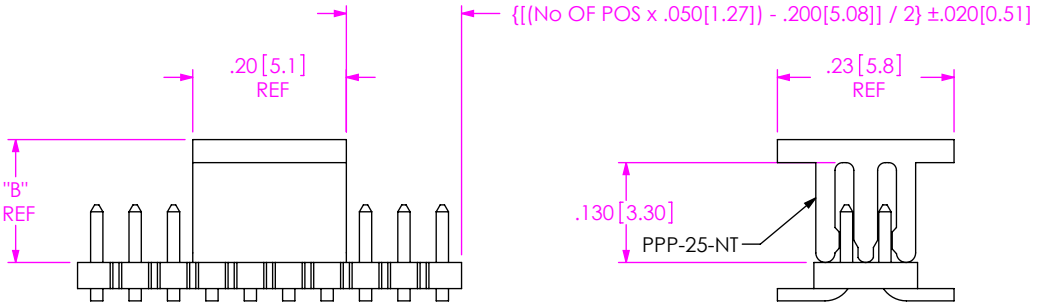


FIG 3
-DV-S OPTION (SEE NOTES 6 & 7)
FTS-110-02-XX-DV-S SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS
(NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)



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

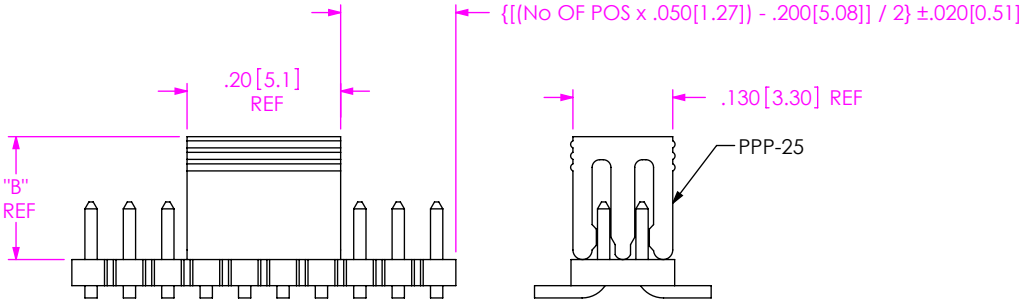


FIG 5
-DV-P OPTION
FTS-110-02-XX-DV-P SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

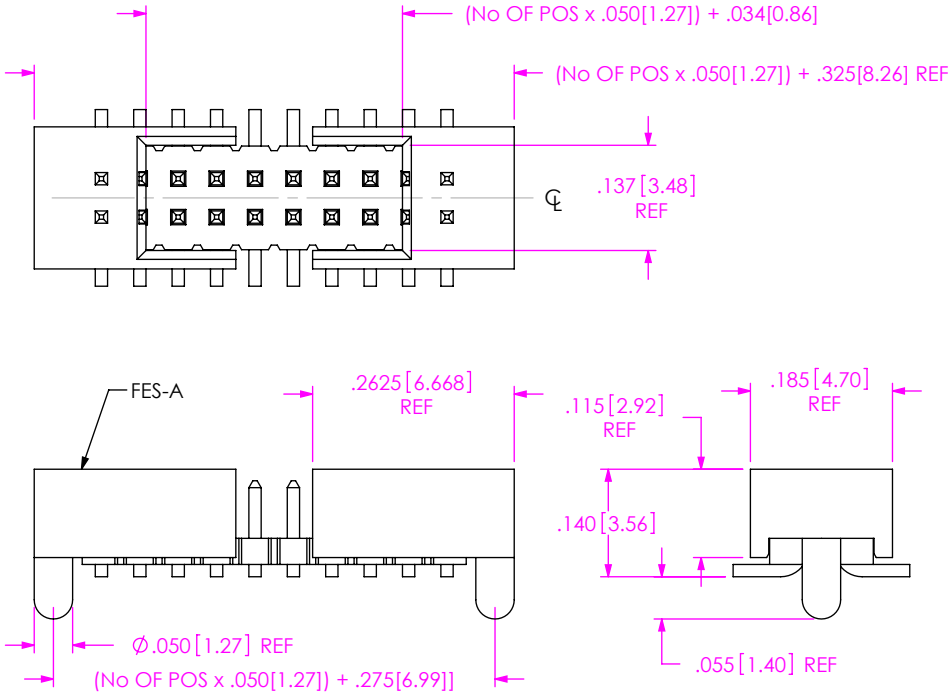


TABLE 3	
LEAD STYLE	"B"
-01, 02, 03	0.160 [4.06]
-04	0.180 [4.57]

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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e-Mail info@SAMTEC.com code 55322

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BY: BRATCHER 11/29/1993

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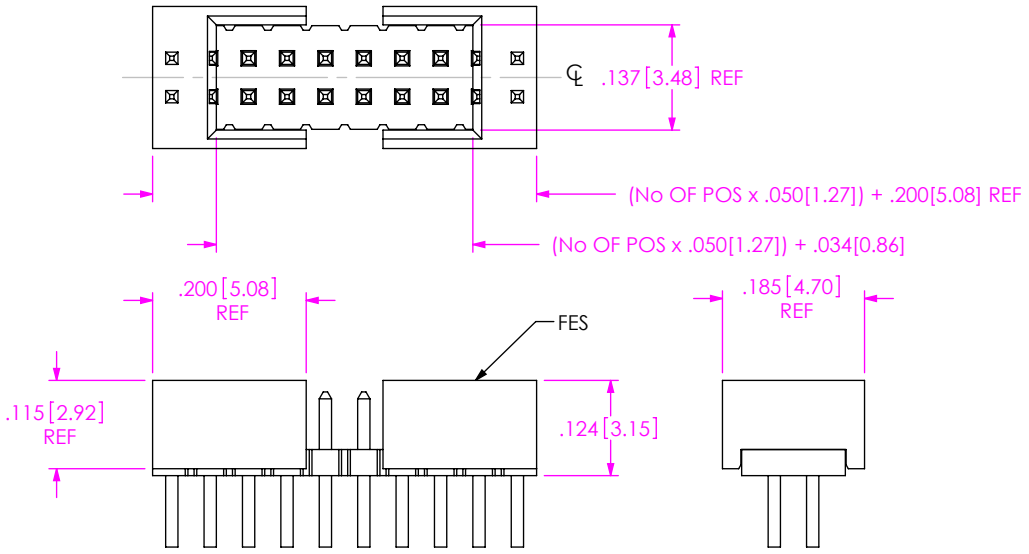

FIG 6
-D-S OPTION (SEE NOTES 6 & 7)
FTS-110-02-XX-D-S SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS
(NOT AVAILABLE WITH -A OPTION; ORDER -SA FOR ALIGNMENT PIN WITH SHROUD)

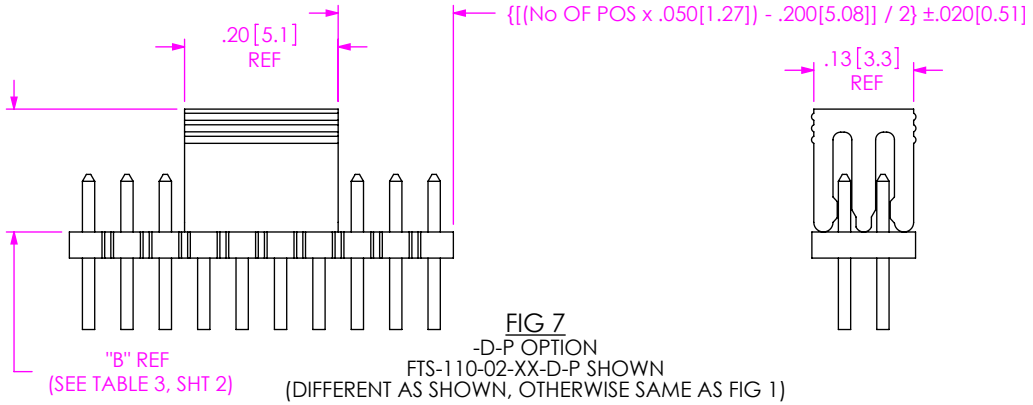

FIG 7
-D-P OPTION
FTS-110-02-XX-D-P SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

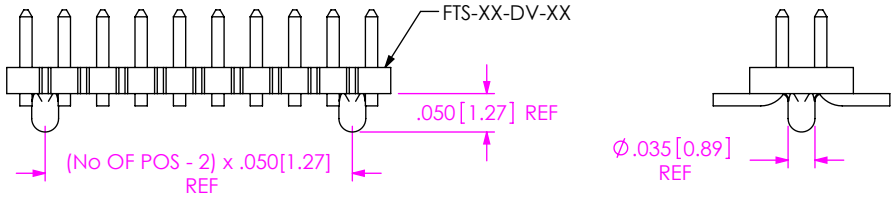

FIG 9
-A MOLDED ALIGNMENT PIN
FTS-110-02-XX-DV-A SHOWN
(ONLY AVAILABLE IN -DV OPTION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

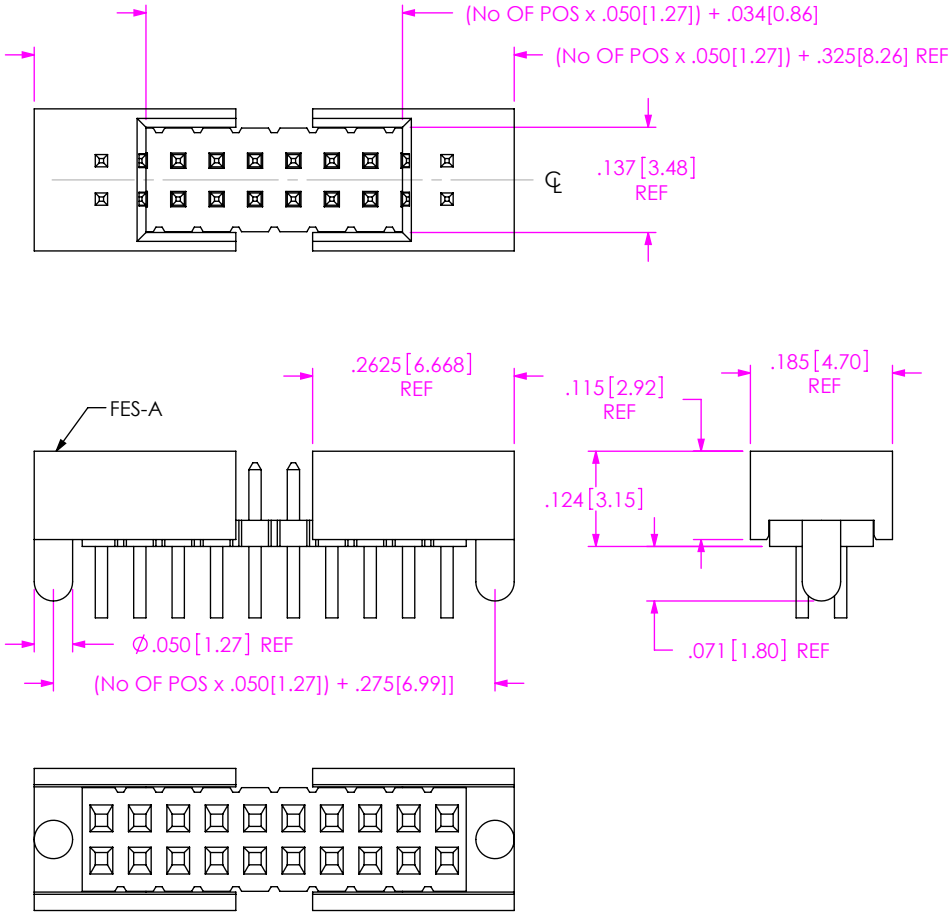

FIG 8
-D-SA OPTION (SEE NOTES 6 & 7)
FTS-110-02-XX-D-SA SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
NOTE: 4 POSITIONS MUST BE ADDED TO PART CALLOUT TO ACHIEVE DIMS

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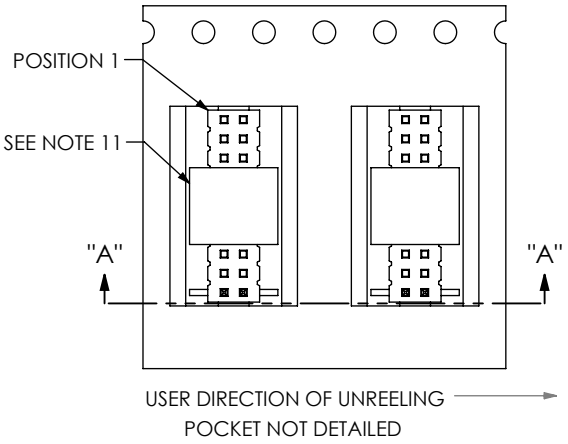
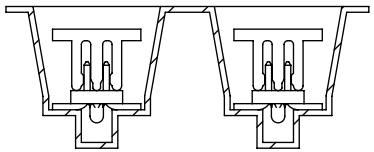




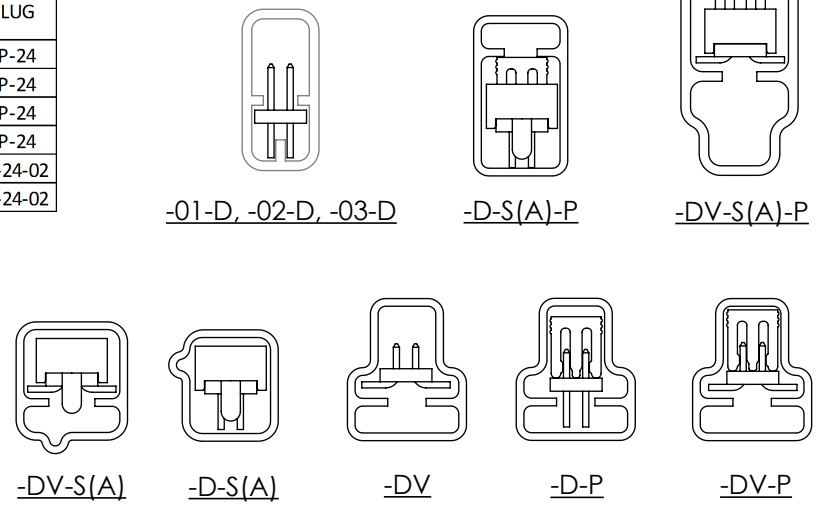
SECTION "A"-"A"

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

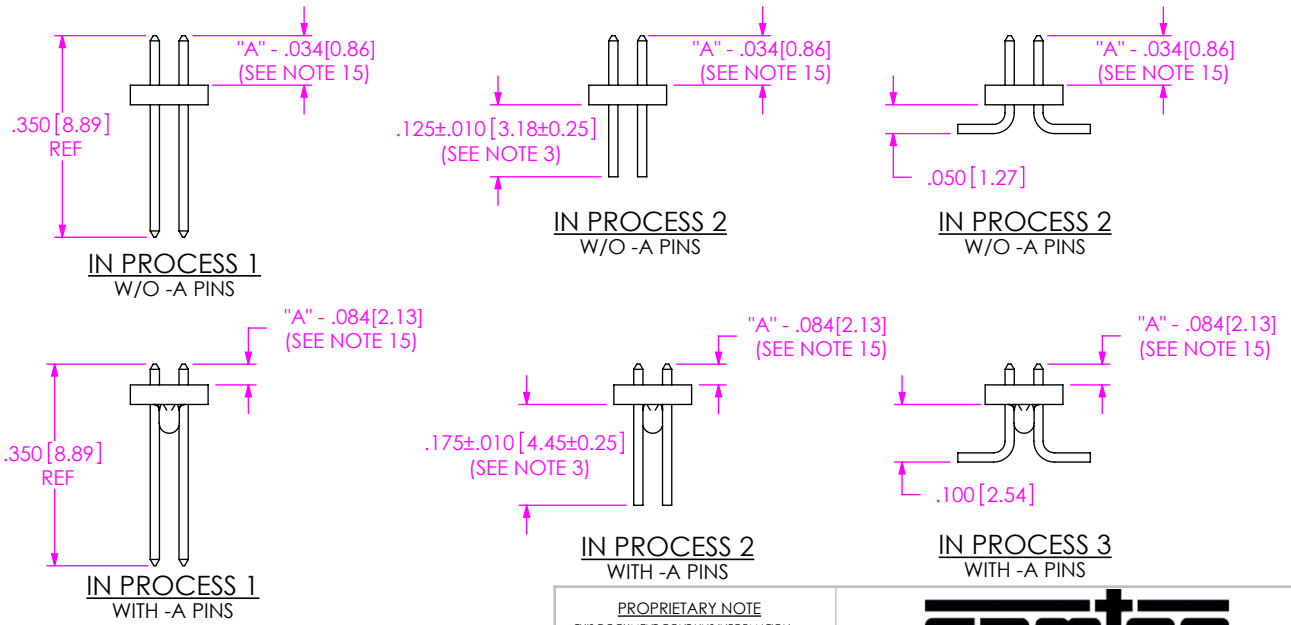
TABLE 2		
LEAD STYLE	PACKAGING TUBE	PLUG
-01/02/03/04-D	PT-FW001-D-.070-.198	TP-24
-DV, -D-P, -DV-P, -DV-A	PT-1-24-01-43	TP-24
-D-S(A)-P	PT-1-24-11-09	TP-24
-DV-S(A)-P	PT-1-24-01-09	TP-24
-D-S(A)	PT-1-24-01-37	TP-24-02
DV-S(A)	PT-1-24-02-36	TP-24-02

SEE NOTE 14

TUBE PACKAGING VIEW



IN PROCESS VIEWS
(HANDFILL ONLY)



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