TABLE 4 FW-XX-XX-XX-D-XXX-XXX-XX-XX **REVISION DD** LEAD STYLE "F" RANGE TERMINAL PIN **PACKAGING** -03 150-.214 T-1S15-04-X POSITION SPEC **BLANK: TUBES (SEE NOTE 15)** -03 .215-.400 T-1S15-19-X No. OF POS PER ROW -TR: TAPE & REEL (SEE NOTES 16 & 17) DO NOT -05 .401-.525 T-1S15-20-X -02 THRU -50 -FR: FULL REEL QTY TAPE & REEL **SCALE FROM** -05 526-.675 T-1S15-21-X (SEE NOTES 16 & 17) THIS PRINT LEAD STYLE -TR & -FR PACKAGING ÁVAILABLE FOR TABLE 2 -03: USE T-1S15-XX-X .740[18.80] MAX OVERALL HEIGHT LEAD STYLE OPTIONS OVERALL HEIGHT | PACKAGING TUBE | PLUG -05: USE T-1S15-XX-X MAX OVERALL HEIGHT = POST + BOARDSPACE -03 -A-P .150 - .650 PT-FW005-D-03-P TP-03 (SEE TABLE 1) + PAD + ALIGNMENT PIN = .740[18.80] -03 NONE, A PT-FW005-D-03-P TP-03 .226 - .309 PT-FW005-D-03-P TP-03 -03 NONE, A **PLATING** -03 NONE, A .310 - .400 PT-FW005-D-03-P TP-03 -G: 10µ" GOLD IN CONTACT AREA, PICK & PLACE OPTION NONE, A PT-FW006-D-05-P TP-03 -05 .310 - .800 3u" GOLD ON TAIL -P: PICK & PLACE PAD (USE PPP-25) -05 -A-P .310 - .650 PT-FW006-D-05-P TP-03 -F: 3μ" SELECTIVE GOLD IN CONTACT AREA, (USE PPP-25-NT WITH -TR & -FR ONLY) -A-P .651 - .800 PT-FW006-D-05-P TP-03 -05 MATTE TIN ON TAIL (SEE FIG 3, SHT 2) (5 POS MIN) -ES. -EP. -ES-A. -L: 10u" SELECTIVE GOLD IN CONTACT AREA. TP-03 -03, -05 -ES-A-P. -ES-P. -EP-A. ALL PT-1-24-01-71 OPTION -ES: END SHROUDS (SEE FIG 5, SHT 2) MATTE TIN TAIL -EP-P, -EP-A-P -H: 30µ" GOLD IN CONTACT AREA, PACKAGING NOTE (9 POS PER ROW MIN) (MAX POST: .075[1.91]) 3µ" GOLD ON TAIL TUBE POSITIONS 5-50, LAYER PACKAGE ALL OTHERS -LM: 10µ" SELECTIVE GOLD IN CONTACT AREA ÎSEE NOTE 81 -EP: GUIDE POST (FIG 6, SHT 3) (SEE NOTE 8) MATTE TIN TAIL → (NO OF POSITIONS X .050[1.27]) ±.010[0.25] ► (9 POS PER ROW MIN) (MAX POST: .075[1.91]) -FM: 3µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE ONLY WHEN MATING WITH CLP) 02 50 -A: ALIGNMENT PIN (MOLDED OR STAKED, SAMTEC'S -S: 30u" SELECTIVE GOLD IN CONTACT AREA. DISCRETION ON WHICH) MÄTTE TIN ON TAIL (SEE FIG. 7 & 8 SHT 3) (SEE NOTE 8) (STAKED: 6 POS MIN) (MOLDED: 3 POS MIN) 図 \bowtie 歯 図 図 図 (SEE TABLE 1 FOR BODY STYLE) .135 [3.43] REF POST HEIGHT (SEE NOTE 5) 岡 网 '園' 図 図 図 闰 .065[1.65] MIN **BOARD SPACE OPTION** POST + BOARD SPACE = "F" = (SEE NOTE 5) (SEE TABLE 1) -03: .150-.400 [3.81-10.16] -03 LEAD STYLE (.085[2.16 MIN - .335[8.51] MAX) -05 LEAD STYLE (.248[6.30] MIN - .610[15.49] MAX) *.401-.675 [10.19-17.15] 01 49 -05: *150-.400 [3.81-10.16] MAX = "A" - POST (SEE TABLE 1) **POST HEIGHT** .401-.675 [10.19-17.15] .050 [1.27] REF .016 0.41 .050 [1.27] REF (SEE NOTE 12) * = FOR EXISTING CUSTOMERS ONLY .070 [1.78] REF SQ REF (TYP 2° MAX SWAY (CONTACT AREA) (EITHER DIRECTION) SEE NOTE 7 $\langle C \rangle$ $.050^{+.005}_{-.000}$ 1.27 "A" ±.005[0.13] (BOARD SPACE) T-1S15-XX-X FTS-XX-DV 02-30POS. = .004[.010]31-50 POS. = .006[0.15] $\langle C \rangle$.229±.010 [5.82±0.25] (SEE NOTE 4) 1. © REPRESENTS A CRITICAL DIMENSION.

FIG 1

- 2. MINIMUM PUSHOUT FORCE SHALL BE 1 LB.
- 3. GOLD AREA TO APPEAR ON POST.
- 4. TAILS TO BE SHEARED TO DIMENSION SHOWN. (FOR HAND TOOLING ONLY)
- 5. TO BE VALID ALL PART NUMBERS MUST MEET THE FOLLOWING PARAMETERS: THE BOARD SPACE RANGE, POST HEIGHT MIN. AND BOARD + POST COMBINATION FOR EACH STYLE.
- 6. MAXIMUM BURR: .003[0.08] ON CUT TAIL
- 7. MAXIMUM CUT FLASH TO BE .010[0.25] ON CRITICAL AREAS AS SHOWN. 8. AVAILABLE ONLY W/BOARD SPACE .215[5.46] TOP .610[15.49].
- 9. PARTS TO BE ASSEMBLED WITH ALIGNMENT HOLES (IN BODY) FACING THE TAILS
- 10. LOWER BODY MAY BE BLACK OR WHITE.
- 11. FOR FTS-XX-DV, FILL BODY SO THAT THE LEAD IN OF THE CORE IS ON THE TAIL SIDE.
- 12. MAXIMUM HEIGHT VARIATION BETWEEN ROWS: .005[0.13]
- 13. FOR ADDED MECHANICAL STABILITY, SAMTEC RECOMMENDS MECHANICAL BOARD SPACERS BE USED IN APPLICATIONS WITH GOLD OR SELECTIVE GOLD PLATED CONNECTORS. CONTACT IPG@SAMTEC.COM FOR MORE INFORMATION.
- 14. NOTE DELETED.
- 15. TUBES ARE STANDARD PACKAGING.
- 16. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- 17. ATTACH LABEL-4X2 TO EACH REEL.

JL	LINOIL	•	•			
TABLE 1						
LEAD STYLE	"A" RANGE	"C" RANGE (SEE	"D" RANGE (SEE	BODY STYLE		FIG
		SHEET 2, FIG 5 & 6)	SHEET 2, FIG 5 & 6)	UPPER BODY	LOWER BODY	110
-03	.085214 [2.16 - 5.44]	N/A	N/A	FTS-XX-DV	FTS-XX-DV	1
-03	.215335 [5.46 - 8.51]	.293423 REF [7.45 - 10.75]	.413543 REF [10.50 - 13.79]	FTSH-XX-D	*FTSH-XX-D	4 (SEE SHEET 2
-05	.248610 [6.30 - 15.49]	.326698 REF [8.28 - 17.73]	.446818 REF [11.32 - 20.78]	FTSH-XX-D	FTSH-XX-D	4 (SEE SHEET 2
		* FOR	BKT MACHINE, USE I	W-XX-D	•	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

DECIMALS ANGLES .XX: ±.01[0.3] .XXX: ±.005[0.13] .XXXX: ±.0020[0.051]

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN. MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, NC. 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

BODY: LCP, UL 94 VO, COLOR: FTS-50-DV & FTSH-50-D: BLACK

MAX FLASH ALLOWED: .002[0.05] MAX GATE VESTIGE: .002[0.05]

FW-50-D: NATURAL TERMINAL: PHOS BRONZE

F:\DWG\MISC\MKTG\FW-XX-XX-XX-D-XXX-XXX-XX-XX-MKT.SI DDRW

FW-XX-XX-XX-D-XXX-XXX-XX-XX

DO NOT SCALE DRAWING

DESCRIPTION

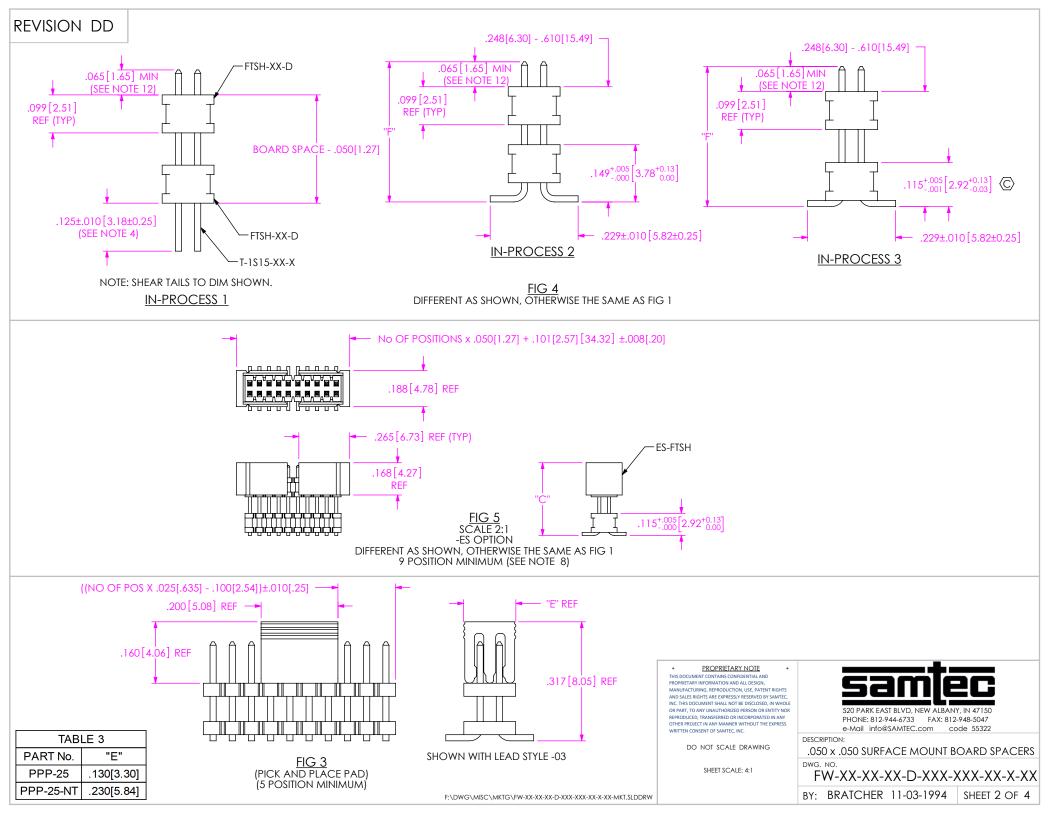
.050 x .050 SURFACE MOUNT BOARD SPACERS

520 PARK FAST BLVD, NEW ALBANY, IN 47150

PHONE: 812-944-6733 FAX: 812-948-5047

e-Mail info@SAMTEC.com

BY: BRATCHER 11-03-1994 | SHEET 1 OF 4



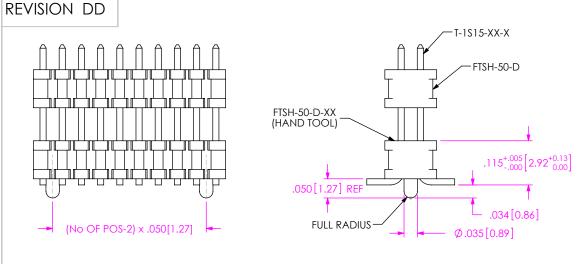


FIG 7

-A OPTION (MOLDED)

MOLD 3 POSITION MIN

DIFFERENT AS SHOWN OTHERWISE SAME AS FIG 1

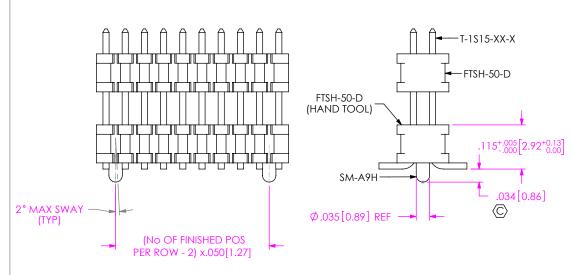
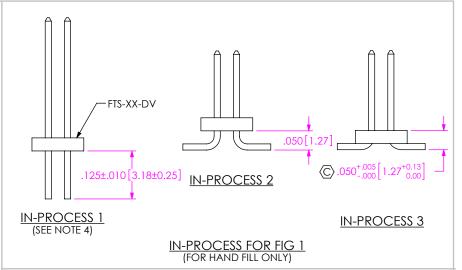


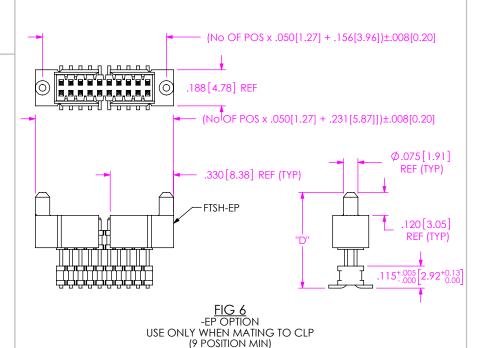
FIG 8

-A OPTION (STAKED)

6 POSITION MIN

DIFFERENT AS SHOWN OTHERWISE SAME AS FIG 1





THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARRY MOTE TO THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARE MY PROPRIANTION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESS YEESING BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OF PART, TO ANY UNLAHITHORIZED PESSON OR ENTITY NOR REPROJUCED, TRANSFERBED 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:

(SEE NOTE 8)

DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

.050 x .050 SURFACE MOUNT BOARD SPACERS

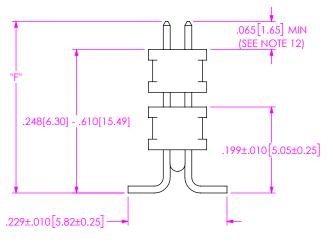
FW-XX-XX-XX-D-XXX-XXX-XX-XXX

BY: BRATCHER 11-03-1994 SHEET 3 OF 4

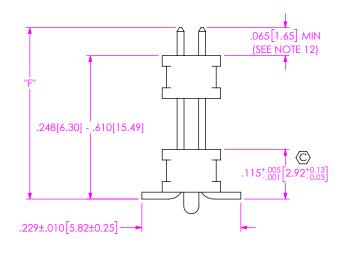
F:\DWG\MISC\MKTG\FW-XX-XX-XX-D-XXX-XXX-XX-XX-MKT.SLDDRW

REVISION DD .065[1.65] MIN (SEE NOTE 12) .099[2.51] REF BOARD SPACE - .100[2.54] .175±.010[4.45±0.25] (SEE NOTE 4)

IN-PROCESS 1 SHEAR TAILS TO DIM SHOWN



IN-PROCESS 2



IN-PROCESS 3

IN-PROCESS FOR -A OPTION (FOR HAND FILL ONLY)

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS COMPLEXITIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, PERFODUCTION, USE, DATENT RIGHTS AND SALES RIGHTS ARE EMPRESSY RESERVED BY SAMPLEC, INC. THIS DOCUMENT SHALL NOT BE DECOCOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZE PERSON OR ENTITY NOR REPRODUCED, TRANSFERBED ON RICOPROPACES IN ANY OTHER PROJECT IN ANY MANURE WITHOUT THE EMPRESS WRITTEN CONSIDER TO SAMPLE, 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 SURFACE MOUNT BOARD SPACERS

FW-XX-XX-XX-D-XXX-XXX-XXX-XXX BY: BRATCHER 11-03-1994 SHEET 4 OF 4

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