

DO NOT
SCALE FROM
THIS PRINT

PATENT NUMBERS
5713755 / 5961339

POSITION SPEC —
No. OF POS PER ROW
-02 THRU -50

LEAD STYLE —
-03: USE T-1S15-XX-X
-05: USE T-1S15-XX-X
(SEE TABLE 1)

PLATING

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

— OPTION

- P: PICK & PLACE PAD (USE PPP-25)
(USE PPP-25-NT WITH -TR ONLY)
(SEE FIG. 3, SHT 2) [5 POS. MIN]
- TR: TAPE & REEL
.700[17.78] MAX OVERALL HEIGHT AVAILABLE FOR
-TR. MAX OVERALL HEIGHT = POST + BOARDSPACE
+ PAD + ALIGNMENT PIN = .700[17.78]
- ES: END SHROUDS (SEE FIG. 5, SHT 2)
(9 POS PER ROW MIN)
(MAX POST: .075[1.91])
(SEE NOTE 8)
- EP: GUIDE POST (FIG. 6, SHT 3)
(9 POS PER ROW MIN)
(MAX POST: .075[1.91])
(USE ONLY WHEN MATING WITH CLP)
(SEE NOTE 8)
- A: ALIGNMENT PIN (MOLDED OR STAKED, SAMTEC'S
DISCRETION ON WHICH)
(SEE FIG. 7 & 8 SHT 3)
(STAKED: 6 POS. MIN) (MOLDED: 3 POS. MIN)
(SEE NOTE 8)

— POST HEIGHT (SEE NOTE 5)

POST HEIGHT (SEE NOTE 5)
 .065[1.65] MIN
 POST + BOARD SPACE = "F" =
 -03: .150-.400 [3.81-10.16]
 *.401-.675 [10.19-17.15]
 -05: *.150-.400 [3.81-10.16]
 .401-.675 [10.19-17.15]

— BOARD SPACE OPTION (SEE NOTE 5)

SEE TABLE 1

* = FOR EXISTING CUSTOMERS ONLY

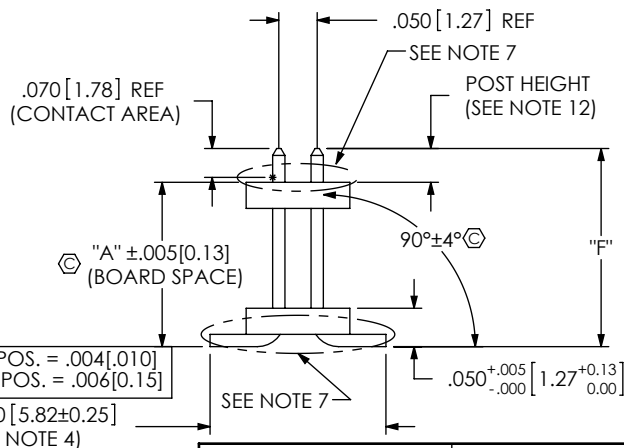
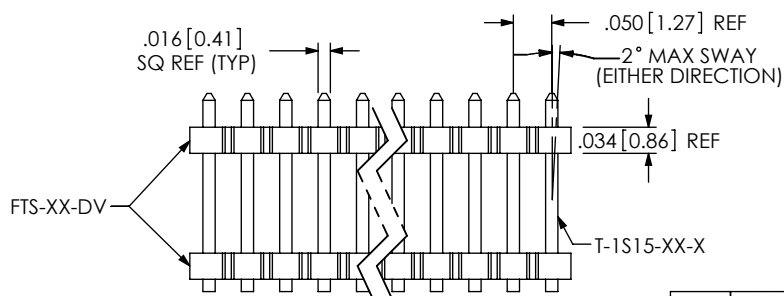
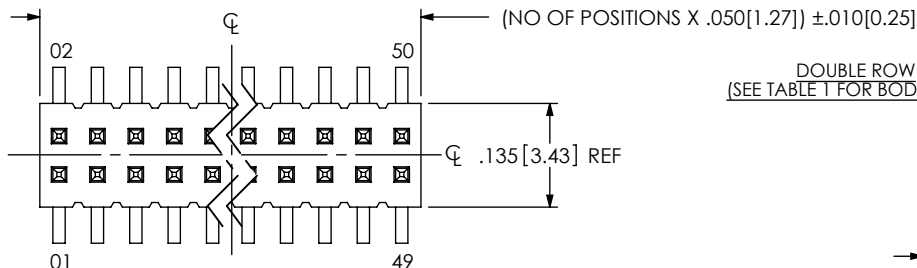


FIG 1

		TABLE 2			
LEAD STYLE	OPTIONS	OVERALL HEIGHT	PACKAGING TUBE	PLUG	
-03	-A-P	150 - 650	PT-FW005-D-03-P	TP-0	
-03	NONE, A	150 - 225	PT-FW005-D-03-P	TP-0	
-03	NONE, A	226 - 309	PT-FW005-D-03-P	TP-0	
-03	NONE, A	310 - 400	PT-FW005-D-03-P	TP-0	
-05	NONE, A	310 - 800	PT-FW006-D-05-P	TP-0	
-05	-A-P	310 - 650	PT-FW006-D-05-P	TP-0	
-05	-A-P	651 - 800	PT-FW006-D-05-P	TP-0	
-03, -05	-ES, -EP, -ES-A,	ALL	PT-1-24-01-71	TP-0	
	-ES-A-P, -ES-P, -EP-A,				
	-EP-P, -EP-A-P				

PACKAGING NOTE:
TUBE POSITIONS 5-50, LAYER PACKAGE ALL OTHERS

LEAD STYLE	"F" RANGE	TERMINAL PIN
-03	.150-.299	T-1S15-04-X
-03	.300-.400	T-1S15-03-X
-05	.401-.675	T-1S15-03-X

(SEE NOTE 14)

TABLE 1						
LEAD STYLE	"A" RANGE	"C" RANGE (SEE SHEET 2, FIG 5 & 6)	"D" RANGE (SEE SHEET 2, FIG 5 & 6)	BODY STYLE		FIG
				UPPER BODY	LOWER BODY	
-03	.085 - .214 [2.16 - 5.44]	N/A	N/A	FTS-XX-DV	FTS-XX-DV	1
-03	.215 - .335 [5.46 - 8.51]	.293 - .423 REF [7.45 - 10.75]	.413 - .543 REF [10.50 - 13.79]	FTSH-XX-D	*FTSH-XX-D	2 (SEE SHEET 2)
-05	.248 - .610 [6.30 - 15.49]	.326 - .698 REF [8.28 - 17.73]	.446 - .818 REF [11.32 - 20.78]	FTSH-XX-D	FTSH-XX-D	4 (SEE SHEET 2)
* FOR RKT MACHINE USE FW-XX-D						

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS	ANGLES
.XX: $\pm .01$ [.3]	5°
.XXX: $\pm .005$ [.13]	
.XXXX: $\pm .0020$ [.051]	

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1
BODY: LCP, UL 94 VO, COLOR: FTS-50-DV & FTSH-50-D: BLACK
 FW-50-D: NATURAL

TERMINAL: PHOS BRONZE

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

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

samtec

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

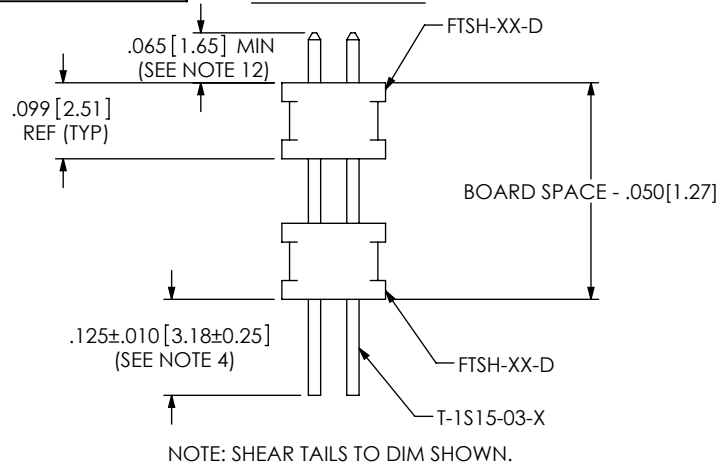
DESCRIPTION:	.050 x .050 SURFACE MOUNT BOARD SPACERS
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DWG. NO.

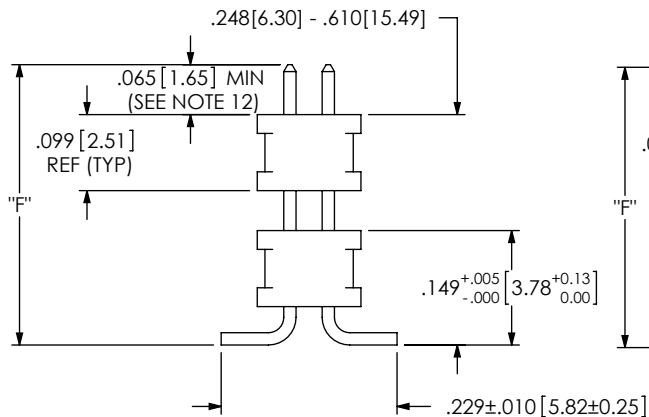
FW-XX-XX-XX-D-XXX-XXX-XX

BY: BRATCHER 11-03-1994	SHEET 1 OF 3
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IN-PROCESS 1



IN-PROCESS 2



IN-PROCESS 3

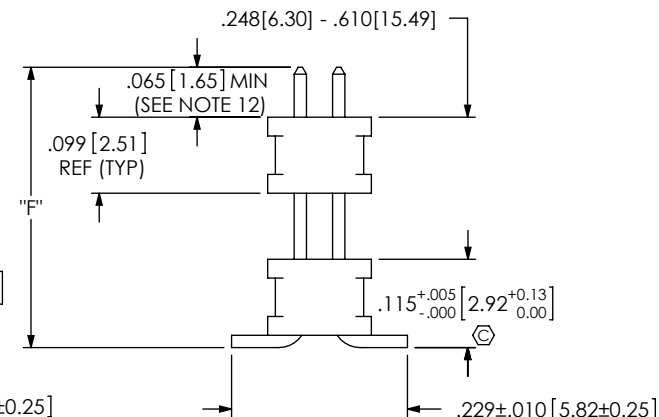


FIG 4
(IN-PROCESS 1 MAY BE BUILT WITH M30 MACHINE)
DIFFERENT AS SHOWN, OTHERWISE THE SAME AS FIG 1

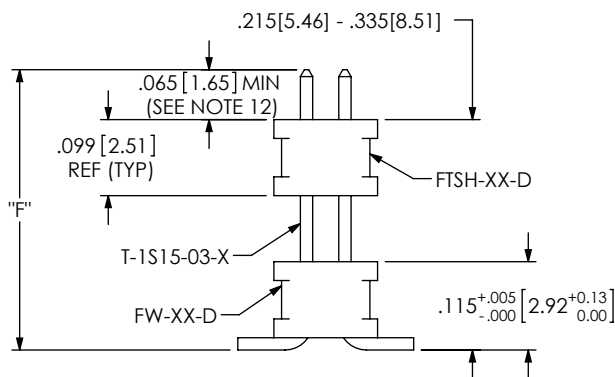


FIG 2
(BKT MACHINE)
DIFFERENT AS SHOWN, OTHERWISE THE SAME AS FIG 1

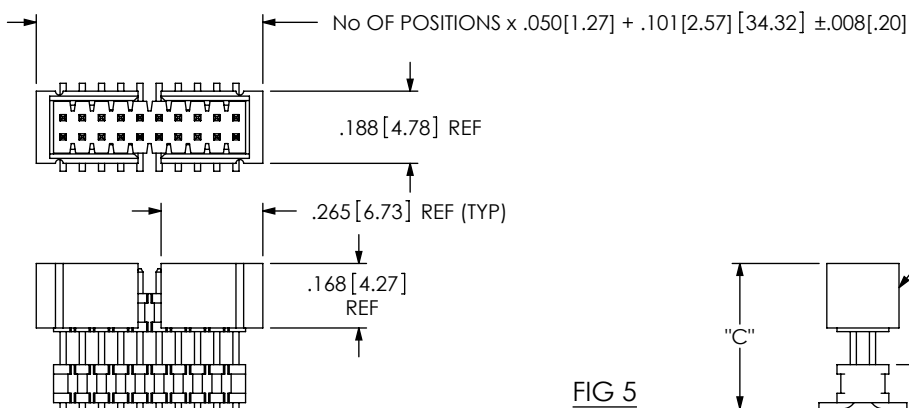


FIG 5
SCALE 2:1
-ES OPTION
DIFFERENT AS SHOWN, OTHERWISE THE SAME AS FIG 1
9 POSITION MINIMUM (SEE NOTE 8)

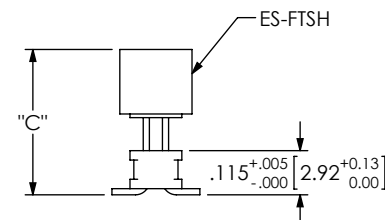
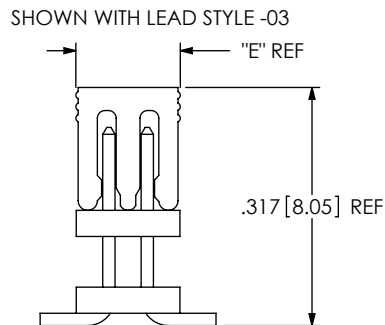
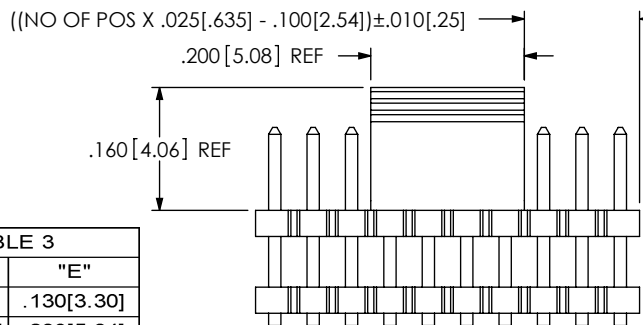


FIG 3
(PICK AND PLACE PAD)
(5 POSITION MINIMUM)



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

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SHEET SCALE: 4:1

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 SURFACE MOUNT BOARD SPACERS

DWG. NO.
FW-XX-XX-XX-D-XXX-XXX-XX

BY: BRATCHER 11-03-1994 SHEET 2 OF 3

TABLE 3

PART No.	"E"
PPP-25	.130 [3.30]
PPP-25-NT	.230 [5.84]

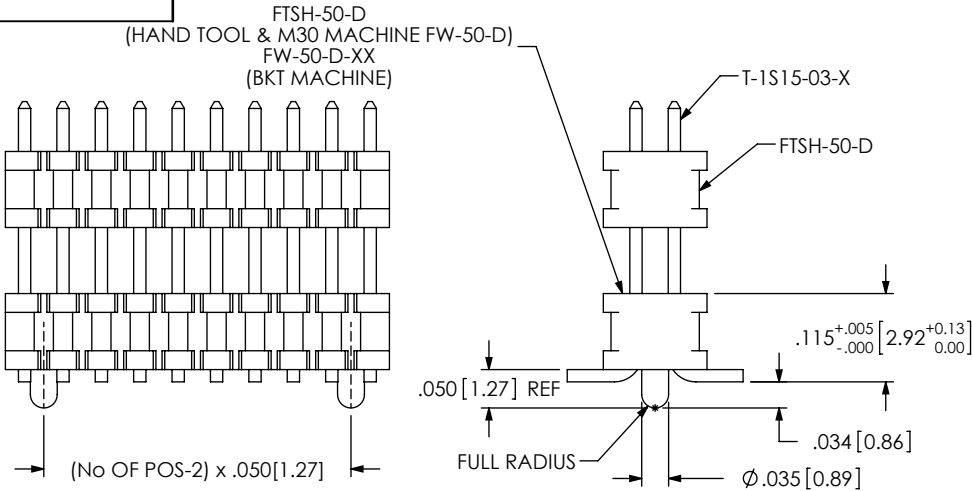


FIG 7
-A OPTION (MOLDED)
MOLD 3 POSITION MIN
DIFFERENT AS SHOWN OTHERWISE SAME AS FIG 1

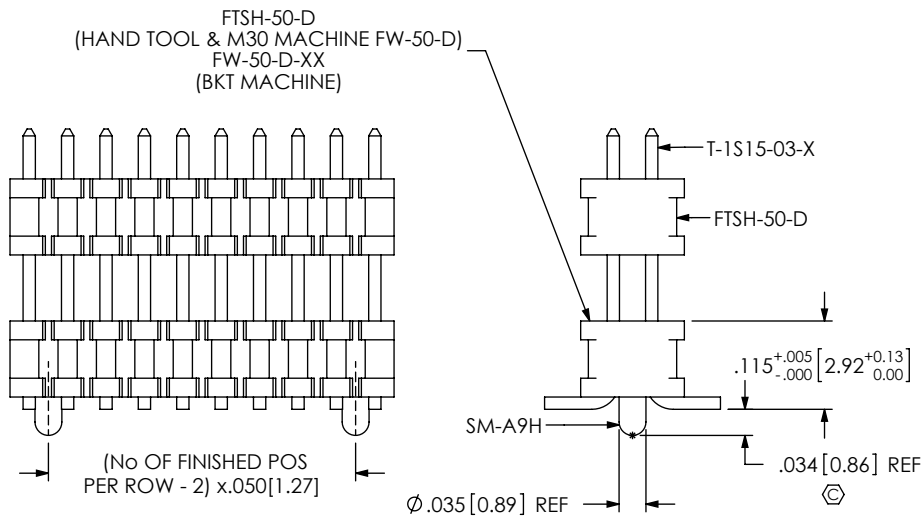
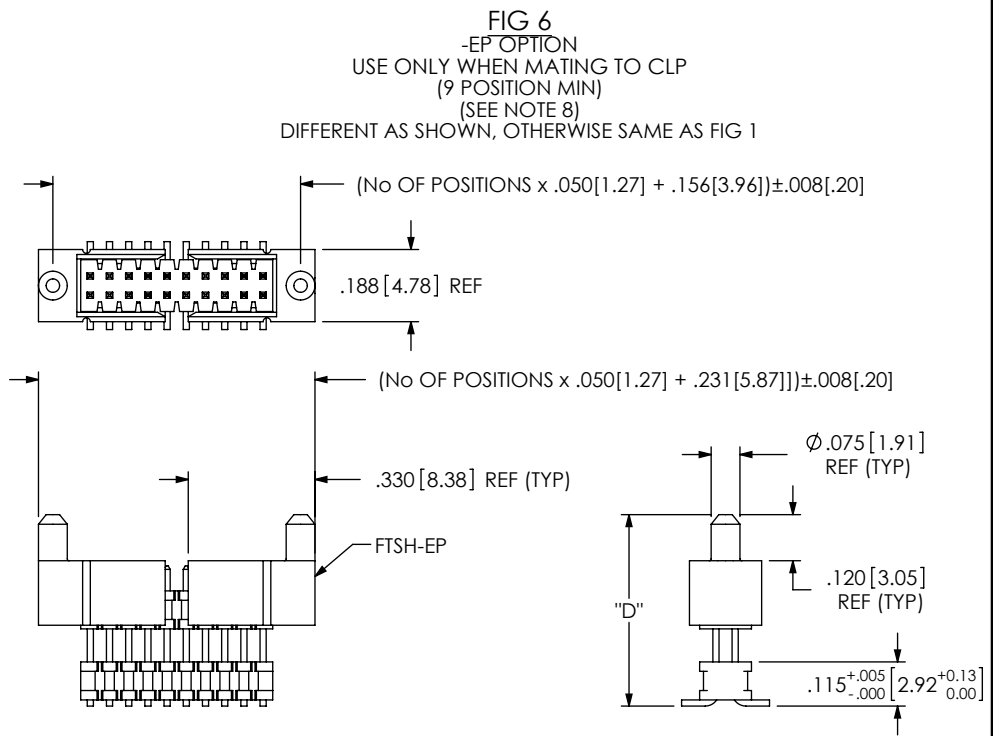
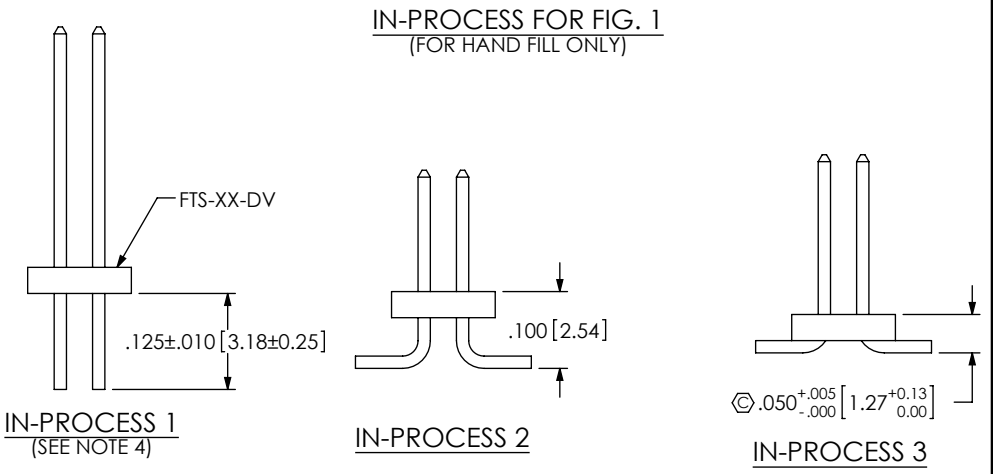


FIG 8
-A OPTION (STAKED)
6 POSITION MIN
DIFFERENT AS SHOWN OTHERWISE SAME AS FIG 1

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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	
DWG. NO. FW-XX-XX-XX-D-XXX-XXX-XX	
BY: BRATCHER 11-03-1994	SHEET 3 OF 3