

DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. PARTS MAY BE CUT TO POSITION.
3. MAXIMUM CUT FLASH: .010 [0.25]
4. MINIMUM PUSHOUT FORCE: 1.0 LB.
5. MEASURED AT BEND RADIUS, NOT AT END OF PIN.
6. TUBE ONLY -04 THROUGH -50 POSITIONS (SEE TABLE 2).
7. SHEAR TAILS TO DIMENSION SHOWN.
8. MAXIMUM BURR ALLOWANCE: .003 [0.08]
9. GOLD PLATING TO BE ON POST, TIN PLATING TO BE ON TAIL.
10. FILL WITH ALIGNMENT PIN HOLES TO TAIL SIDE.
11. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, LOCKING CLIPS ARE NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH LOCKING CLIPS.
12. VOIDS MAY OR MAY NOT BE PRESENT ON POSITIONS 5 THRU 8 AND CAN BE MIXED WITHIN AN ORDER.
13. ON LEAD STYLES -01 THROUGH -04 THE T-1S15-03 CAN BE SUBSTITUTED FOR T-1S15-14.

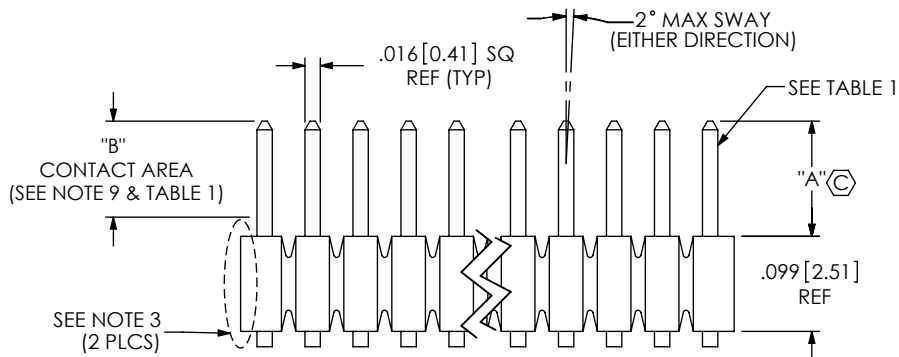
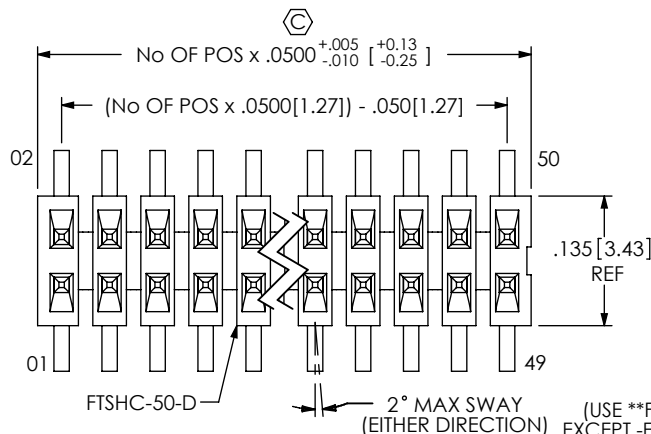
PATENT NUMBERS
5713755 / 5961339FIG 1
FTSH-1XX-XX-XXX-DV SHOWN
(SEE FTSHC-1XX-XX-XXX-DX-XX PRINT FOR DETAILS)

TABLE 1

LEAD STYLE	"A"	"B" REF	AUTOMATED BKT	HAND FILL	MICRO HEADER
-01	.120 [3.05]	.070 [1.78]	* T-1S15-14-XXX	T-1S40-03-XX-2	T-1S40-03-XX-3
-02	.075 [1.91]	.070 [1.78]	* T-1S15-14-XXX	* T-1S15-14-XXX	NOT AVAILABLE
-03	.065 [1.65]	.070 [1.78]	* T-1S15-14-XXX	* T-1S15-14-XXX	NOT AVAILABLE
-04	.150 [3.81]	.070 [1.78]	* T-1S15-14-XXX	* T-1S15-14-XXX	NOT AVAILABLE
-05	.170 [4.32]	.070 [1.78]	T-1S15-03-XXX	T-1S15-03-XXX	NOT AVAILABLE
* -14	.150 [3.81]	.135 [3.43]	T-1S15-63-XXX	T-1S15-63-XXX	NOT AVAILABLE

* = SEE NOTE 13

FTSH-1XX-XX-XXX-DV-XXX

No OF POSITIONS
-02 THRU -50
(PER ROW)

LEAD STYLE

-01: .120 [3.05]
-02: .075 [1.91]
-03: .065 [1.65]
-04: .150 [3.81]
-05: .170 [4.32]
-14: .150 [3.81]

(NOT AVAILABLE WITH
-SM, FM, LM PLATING OPTIONS)

PLATING SPECIFICATION

-L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-H: 30μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
-LM: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-FM: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-LTL: 10μ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10+/-5%) TAIL
-G: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL

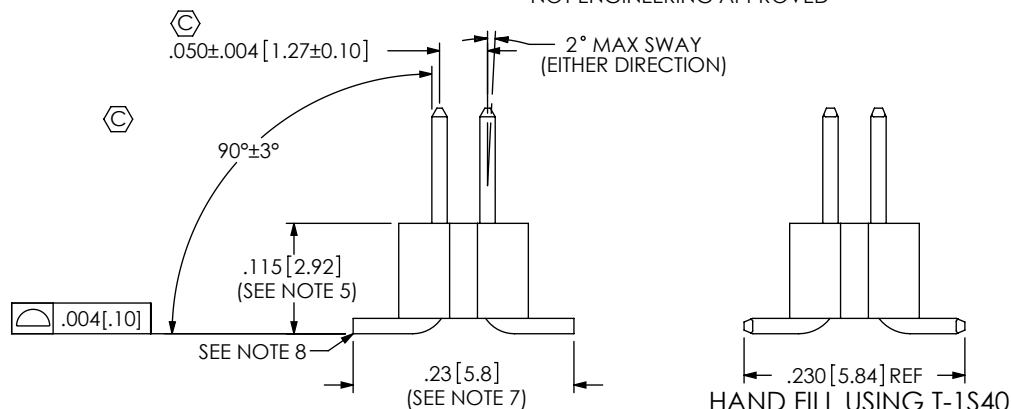
TAIL OPTION

-DV: DOUBLE VERTICAL

(USE **FTSHC-1XX-XX-XXX-DV FOR ALL OPTIONS EXCEPT -ES, -EJ, -EJM, -EJC, -EC, -EP, -EL, -EPC, -A, THEN USE FTSH-50-D AND BUILD PER PRINT)
** = SEE FTSHC-1XX-XX-XXX-DX-XX PRINT FOR DETAILS

OPTIONS

- P: PICK & PLACE PAD (4 POS MIN) (SEE FIG 11, SHT 4 & TABLE 5)
-TR: TAPE & REEL PACKAGING
-ES: END SHROUDS (SEE FIG 6, SHT 3) (MOLDED IN 5 POS MIN; -02 & -03 LEAD STYLE ONLY) (SNAP SHROUDS 9 POS MIN; -02 & -03 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
-EJ: EJECTOR SHROUDS: SEE FIG 4, SHT 2) (10 POS MIN; -01 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
-EJM: EJECTOR SHROUDS WITH MOLDED ALIGNMENT PIN (SEE FIG 5, SHT 2; 10 POS MIN; -01 LEAD STYLE ONLY) (NOT VALID WITH -A OPTION) (MUST USE FTSH-50-D)
-EJC: EJECTOR SHROUDS WITH LOCKING CLIP (SEE FIG 5, SHT 2 & NOTE 11) (10 POS MIN; -01 LEAD STYLE ONLY; NOT VALID WITH -A OPTION) (MUST USE FTSH-50-D)
-EC: LOCKING CLIP (SEE FIG 7, SHT 3 & NOTE 11) (9 POS MIN; -02 & -03 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
-EP: GUIDE POST (SEE FIG 8, SHT 3; 9 POS MIN; -02 & -03 LEAD STYLE ONLY) (USE ONLY WHEN MATING WITH CLP) (MUST USE FTSH-50-D)
-EL: BOARD LOCK (SEE FIG 9, SHT 3) (9 POS MIN; -02 & -03 LEAD STYLE ONLY) (USE ONLY WHEN MATING WITH CLP) (MUST USE FTSH-50-D)
-EPC: GUIDE POST & LOCKING CLIP (SEE FIG 10, SHT 3 & NOTE 11; USE ONLY WHEN MATING WITH CLP) (9 POS MIN; -02 & -03 LEAD STYLE ONLY; NOT VALID WITH -A OPTION) (MUST USE FTSH-50-D)
-A: ALIGNMENT PIN (MOLDED OR STAKED; SEE FIG 3, SHT 2) (MOLDED: 3 POS MIN; STAKED: 6 POS MIN) (SAMTEC DISCRETION ON WHICH -A PIN USED) (MUST USE FTSH-50-D)
-K: KEYING OPTION FOR MATING WITH FFSD (SEE TABLE 3, SHT 2; 05 THRU 25 AVAILABLE AS STANDARD) (POSITION 13, 17, 20 & 25 AVAILABLE WITH -EJ OPTION) (LEAD STYLE -01 ONLY, SEE FIG 2, SHT 2 & NOTE 12) (ALIGNMENT PIN AVAILABLE WITH -K OPTION BUT MUST BE MOLDED) (MUST USE FTSH-XX-CN-XX)
* -M: METAL PICK & PLACE PAD (5 POS MIN; USE MPP-22-5) (SEE FIG 12, SHT 4; NOT AVAILABLE WITH -K OPTION)
* = NOT ENGINEERING APPROVED

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

ANGLES

.XX: ±.01 [.3]

1°

.XXX: ±.005 [.13]

.XXXX: ±.0010 [.025]

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MATERIAL:

DO NOT SCALE DRAWING
INSULATOR: LCP UL 94 VO
TERMINAL: PHOSPHOR BRONZE

SHEET SCALE: 5:1

DESCRIPTION:

.050 x .050 CL DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO.

FTSH-1XX-XX-XXX-DV-XXX

BY: PURVIS

10/12/1995

SHEET 1 OF 5

F:\DWG\MISC\MKTG\FTSH-1XX-XX-XXX-DV-XXX-MKT.SLDDRW

520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code 55322

REVISION EN

FIG 2
-K OPTION
(LEAD STYLE -01 ONLY)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(POSITION 13, 17, 20 & 25 AVAILABLE WITH
-EJ OPTION)

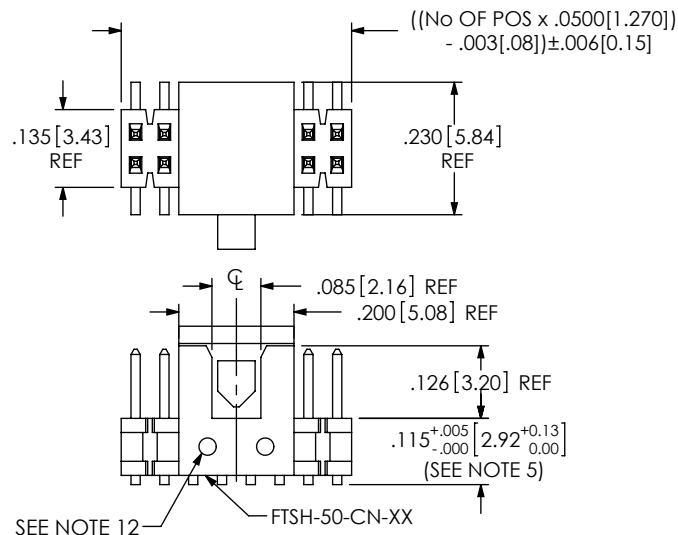


TABLE 3		
No OF POS	BODY	No OF PARTS PER FULL STRIP
-05	FTSH-50-CN-05	10
-06	FTSH-50-CN-06	8
-07	FTSH-50-CN-07	7
-08	FTSH-50-CN-08	6
-09	FTSH-50-CN-09	5
-10	FTSH-50-CN-10	5
-11	FTSH-50-CN-11	4
-12	FTSH-50-CN-12	4
-13	FTSH-50-CN-13	3
-14	FTSH-50-CN-14	3
-15	FTSH-50-CN-15	3
-16	FTSH-50-CN-16	3
-17	FTSH-50-CN-17	2
-18	FTSH-50-CN-18	2
-19	FTSH-50-CN-19	2
-20	FTSH-50-CN-20	2
-21	FTSH-50-CN-21	2
-22	FTSH-50-CN-22	2
-23	FTSH-50-CN-23	2
-24	FTSH-50-CN-24	2
-25	FTSH-50-CN-25	2

FIG 4
SCALE 2 : 1
-EJ OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(-01 LEAD STYLE ONLY)

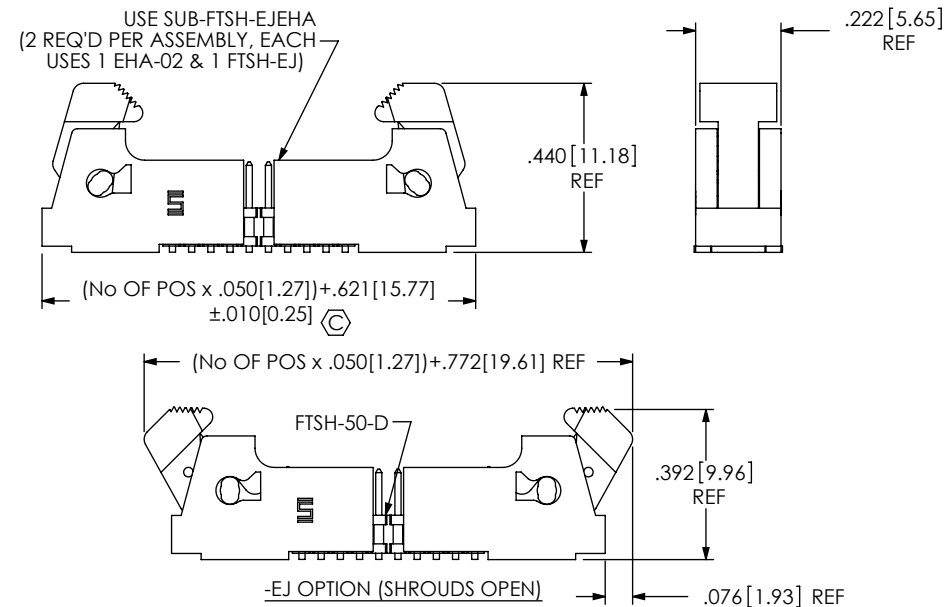
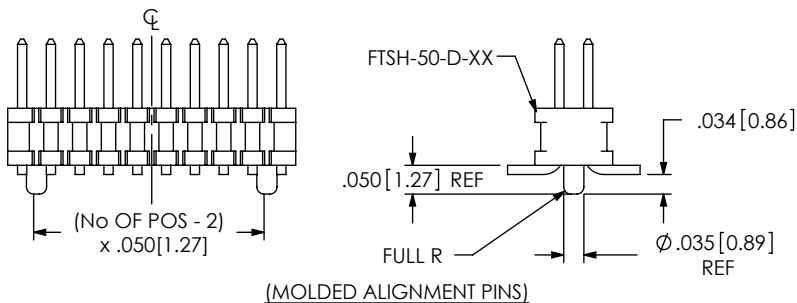
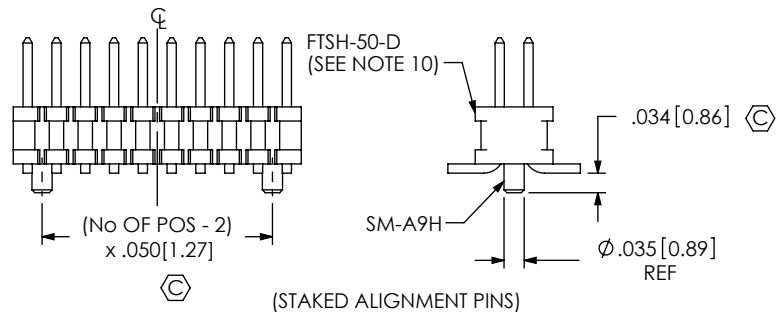
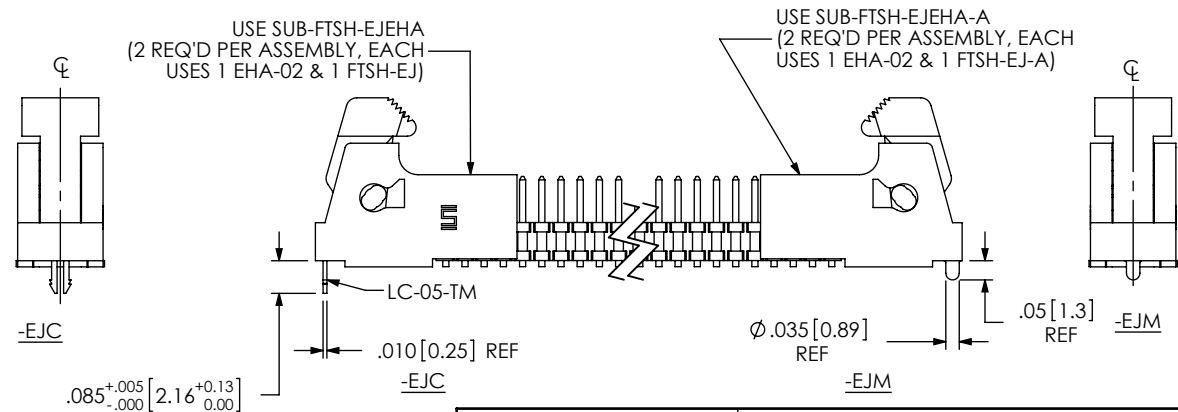


FIG 3
-A OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(6 POSITION MINIMUM FOR STAKED ALIGNMENT PINS)
(3 POSITION MINIMUM FOR MOLDED ALIGNMENT PINS)



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FIG 5
SCALE 2 : 1
-EJC & -EJM OPTIONS
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4)
(-01 LEAD STYLE ONLY)



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DESCRIPTION:

.050 x .050 CL DOUBLE VERTICAL SMT TERMINAL STRIP

DWG. NO.

FTSH-1XX-XX-XXX-DV-XXX

BY: PURVIS

10/12/1995

SHEET 2 OF 5

FIG 6
-ES OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(USE -02 OR -03 LEAD STYLE ONLY)
(9 POS MIN FOR SNAP SHROUDS)
(5 POS MIN FOR MOLDED SHROUDS)

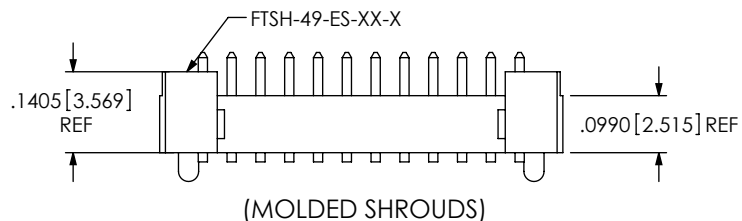
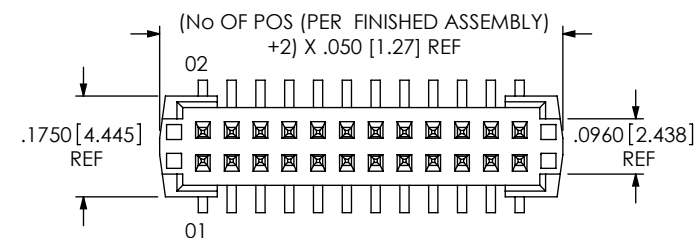
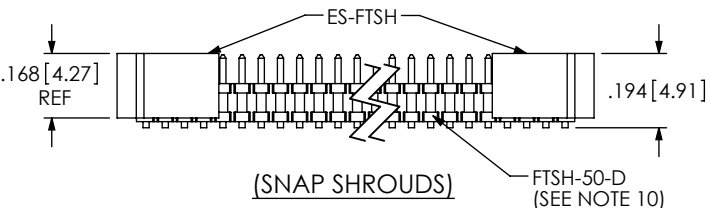
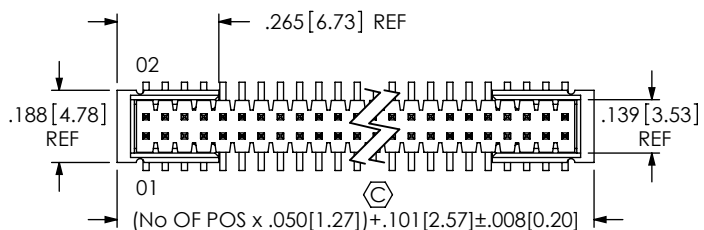
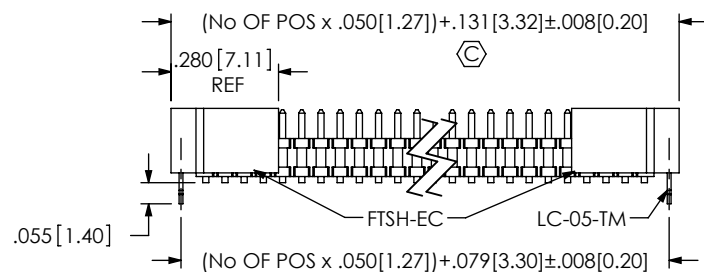


FIG 7
-EC OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)



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FIG 8
-EP OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(USE ONLY WHEN MATING WITH CLP)

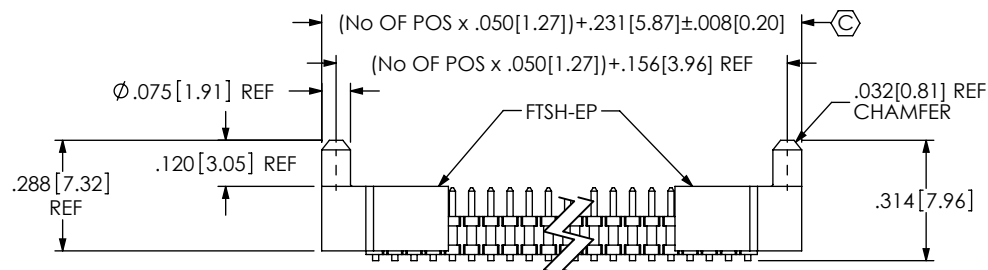


FIG 9
-EL OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(USE ONLY WHEN MATING WITH CLP)

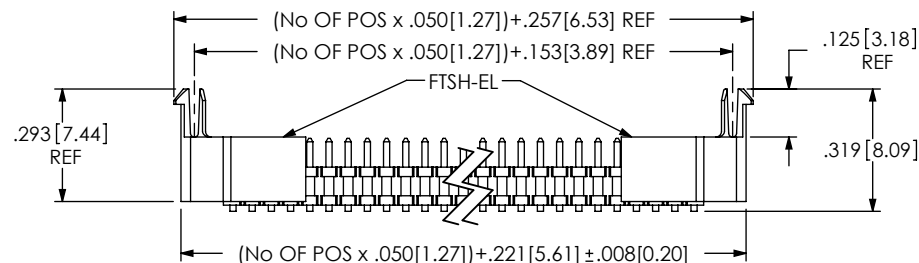
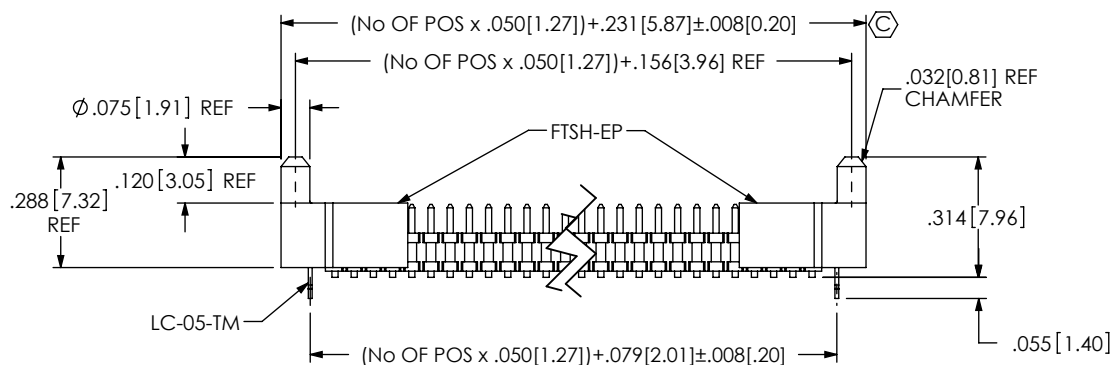


FIG 10
-EPC OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)
(USE ONLY WHEN MATING WITH CLP)



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FTSH-1XX-XX-XXX-DV-XXX

BY: PURVIS

10/12/1995

SHEET 3 OF 5

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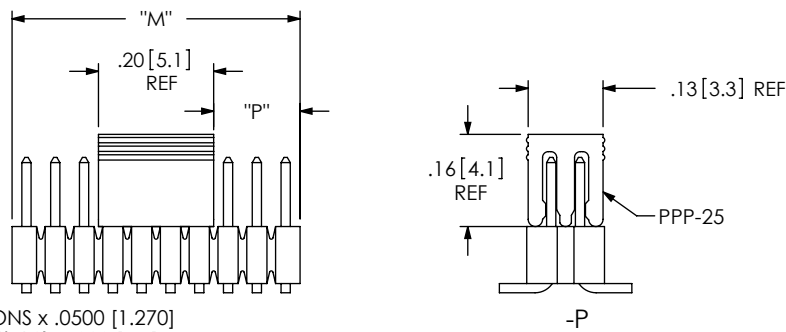
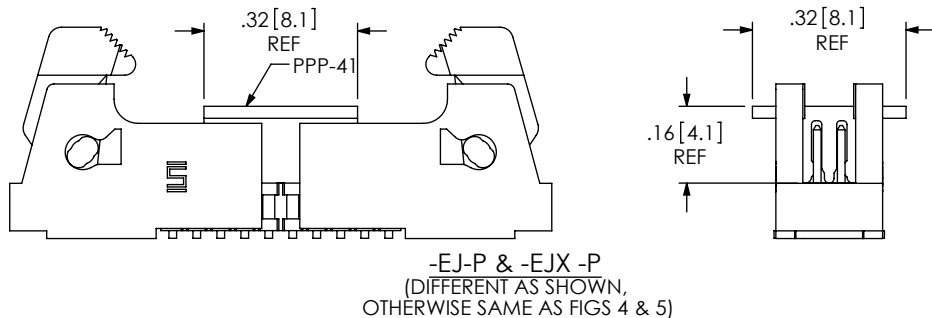
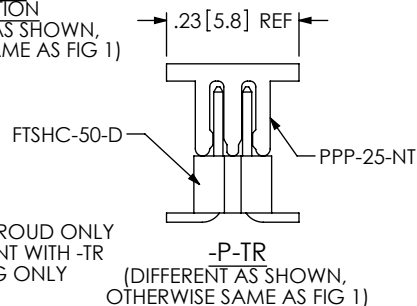


FIG 11
-P OPTION
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 1)

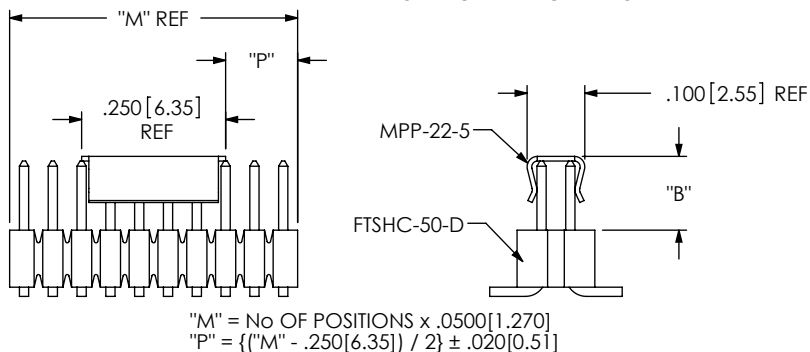
TABLE 5		
OPTION(S)	PAD	MIN. POS
NONE, -A	PPP-25**	4
-EJ, -EJC, -EJM	PPP-41	10
-ES, -EC, -EP, -EL	PPP-25**	9
-EPC	PPP-25**	5*
-K	PPP-25-KT	5
-K-EJ	PPP-25-KT	10

*MOLDED SHROUD ONLY
** USE PPP-25-NT WITH -TR
PACKAGING ONLY



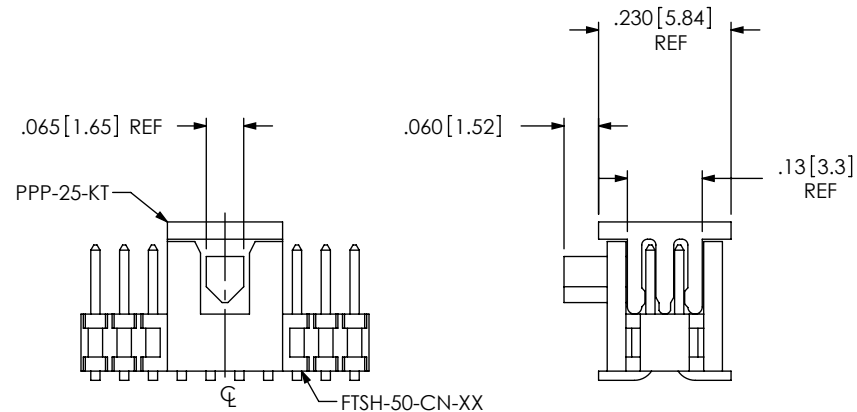
-EJ-P & -EJX -P
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIGS 4 & 5)

FIG 12
*-M: METAL PICK & PLACE PAD
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(NOT AVAILABLE WITH -K OPTION)(5 POS MIN)
* = NOT ENGINEERING APPROVED



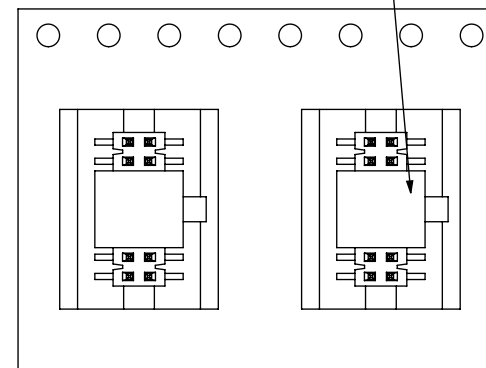
"M" = No OF POSITIONS x .0500 [1.270]
"P" = { ("M" - .250 [6.35]) / 2 } ± .020 [0.51]

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-K-P-TR
(DIFFERENT AS SHOWN,
OTHERWISE SAME AS FIG 2)

NOTE: TAPE & REEL ORIENTATION:
POLARIZATION NOTCH TO THE RIGHT



TAPE & REEL VIEW
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED

TABLE 4		
LEAD STYLE	"B" REF	
-01	.125	[3.18]
-02	.080	[2.03]
-03	.070	[1.78]
-04	.155	[3.94]
-14	.155	[3.94]

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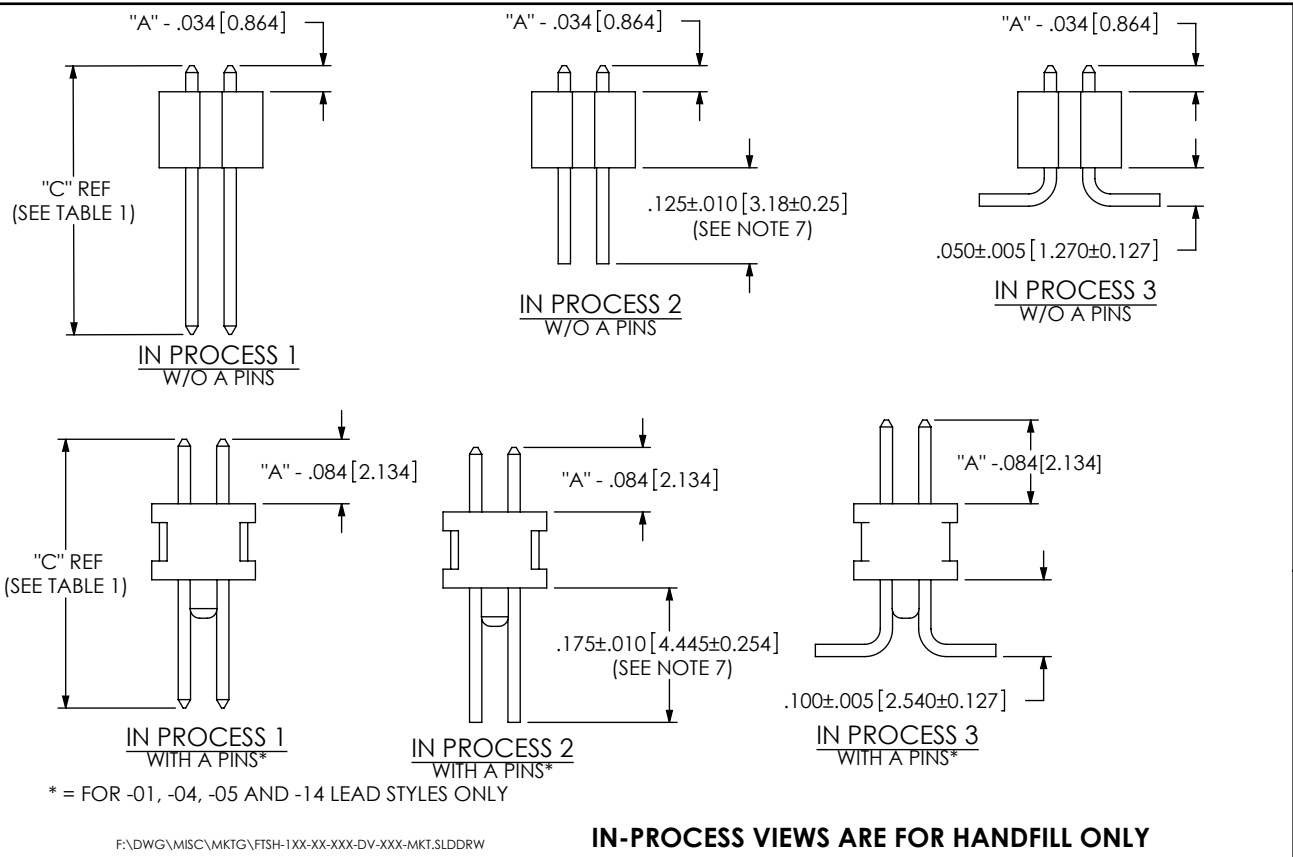
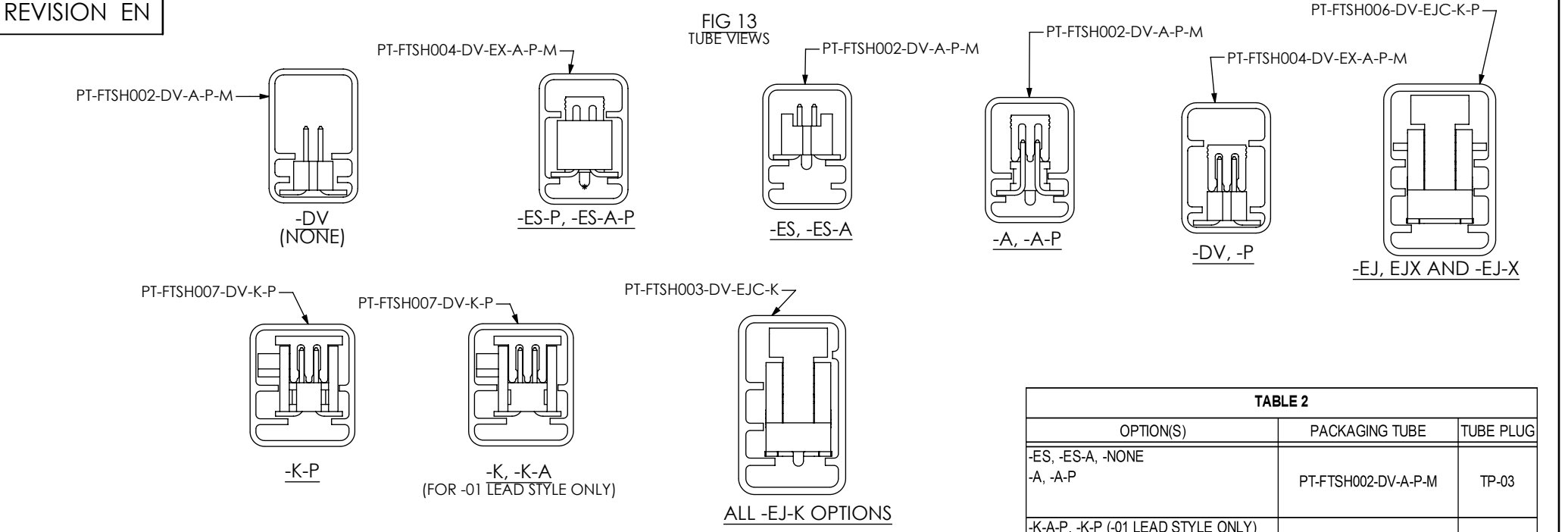


TABLE 2		
OPTION(S)	PACKAGING TUBE	TUBE PLUG
-ES, -ES-A, -NONE -A, -A-P	PT-FTSH002-DV-A-P-M	TP-03
-K-A-P, -K-P (-01 LEAD STYLE ONLY) -K-P (-04 LEAD STYLE ONLY) -K, -K-A (FOR -01 LEAD STYLE ONLY)	PT-FTSH007-DV-K-P	TP-09
-ES-P, -ES-A-P -EC, -EC-P, -EL-P -EP, -EP-A, EP-P, -EP-A-P -EPC, -EPC-D, -EPC-P -EL, -EL-A, -EL-A-P -P (ALL LEAD STYLES)	PT-FTSH004-DV-EX-A-P-M	TP-03
-EJ-K, -EJ-K-P -EJ-K-A, -EJ-K-A-P	PT-FTSH003-DV-EJC-K	TP-03
-EJ, -EJ-P, -EJ-A-P, -EJ-A, -EJM, -EJC	PT-FTSH006-DV-EJC-K-P	TP-03

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

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.050 x .050 CL DOUBLE VERTICAL SMT TERMINAL STRIP
DWG. NO.
FTSH-1XX-XX-XXX-DV-XXX
BY: PURVIS 10/12/1995 SHEET 5 OF 5



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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