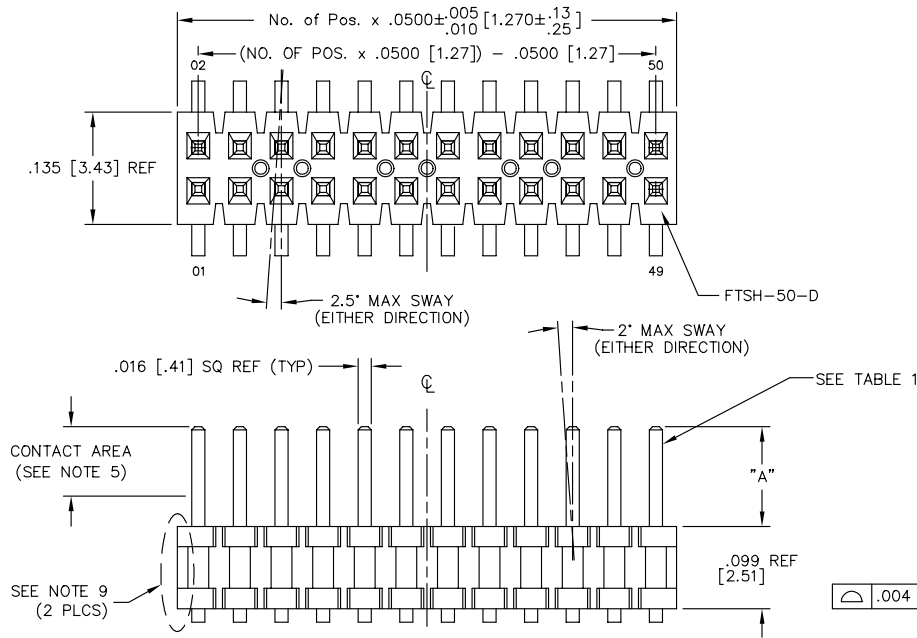


REVISION DJ

DO NOT SCALE FROM THIS PRINT

NOTES:

1. PARTS MAY BE CUT TO POSITION.
2. SHEAR TAILS TO DIMENSION SHOWN.
3. MEASURED AT BEND RADIUS, NOT AT END OF PIN.
4. TUBE ONLY -04 THROUGH -50 POSITIONS (SEE TABLE 2).
5. GOLD PLATING TO BE ON POST, TIN PLATING TO BE ON TAIL.
6. (C) REPRESENTS A CRITICAL DIMENSION.
7. MINIMUM PUSHOUT FORCE: 1.0 LB.
8. .003" MAX BURR ALLOWANCE
9. .010 [.25] MAX CUT FLASH
10. NOTE DELETED.
11. NOTE DELETED



OPTION(S)	PACKAGING TUBE	TUBE PLUG
NONE, -A (-04 LEAD STYLE)	PT-1-24-04-15	TP-09 (2 REQ'D)
NONE, -A (-01, -02 LEAD STYLES)	PT-1-24-03-43	TP-24 (2 REQ'D)
NONE, -A (-03 LEAD STYLE)	PT-1-24-01-43	TP-24 (2 REQ'D)
-P (-01 LEAD STYLE)	PT-1-24-02-17	TP-09 (2 REQ'D)
-K-A-P, -K-P (-01 LEAD STYLE ONLY)	PT-1-24-03-38	TP-03 (2 REQ'D)
-K-P (-04 LEAD STYLE)	PT-1-24-06-29	TP-07 (2 REQ'D)
-K, -K-A (FOR -01 LEAD STYLE ONLY)	PT-1-24-05-38	TP-09 (2 REQ'D)
-ES (-03, -04 STYLES)	PT-1-24-03-09	TP-03 (2 REQ'D)
-ES-P, -P (-02, -03, -04 STYLES)	PT-1-24-03-09	TP-03 (2 REQ'D)
-EC, -EC-P, -EL-P -ES-A, -ES-A-P -K-A-P -EP, -EP-A, -EP-P, -EP-A-P	PT-1-24-04-09	TP-03 (2 REQ'D)
-EJ, -EJ-K-P, -EJ-P	PT-1-24-02-70	TP-07 (2 REQ'D)
EJ-A-P	PT-1-24-01-106	TP-07 (2 REQ'D)
-EPC, -EPC-D, -EPC-P	PT-1-24-04-09	TP-03 (2 REQ'D)
-EL, -EL-A, -EL-A-P	PT-1-24-04-09	TP-03 (2 REQ'D)
-EJ-A, -EJ-K-A, -EJ-K-A-P, -EJM, -EJC	PT-1-24-05-09	TP-03 (2 REQ'D)
-ES (-02 LEAD STYLE)	PT-1-24-01-55	TP-24 (2 REQ'D)
-A-P (-01, -04 LEAD STYLES)	PT-1-24-04-09	TP-03 (2 REQ'D)
-A-P (-02, -03 LEAD STYLES)	PT-1-24-03-09	TP-03 (2 REQ'D)

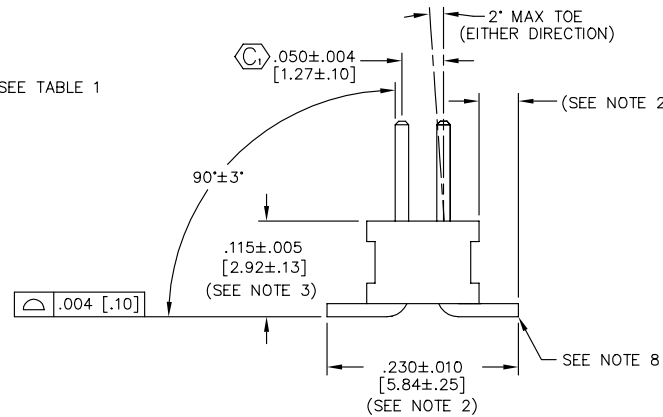
FIG. 1

PATENT NUMBERS  
5713755 / 5961339

**PROPRIETARY NOTE**  
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DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED	TOLERANCES ARE:	TITLE: .050 [1.27] x .050 [1.27] DOUBLE VERTICAL SMT TERMINAL STRIP	DWG NO: FTSH-1XX-XX-XX-DV-XXX
ONE PLACE DECIMALS ± .1[2.54]	THREE PLACE DECIMALS ± .005[.13]		ANGLES ± 1°		SHEET 1 OF 4
TWO PLACE DECIMALS ± .01[.25]	FOUR PLACE DECIMALS ± .0010[.025]				

- FTSH-1XX-XX-XX-DV-XXX
- NO. OF POS**  
-02 THRU -50 (PER ROW)
- LEAD STYLE**  
-01: .120 [3.05] (SEE TABLE 1)  
-02: .075 [1.91] (SEE TABLE 1)  
-03: .065 [1.65] (SEE TABLE 1)  
-04: .150 [3.81] (SEE TABLE 1)
- PLATING**  
-L: LIGHT SELECTIVE  
-F: FLASH SELECTIVE  
-S: SELECTIVE  
-H: HEAVY GOLD  
-SM: HEAVY SELECTIVE GOLD, MATTE TIN TAIL  
-LM: LIGHT SELECTIVE GOLD, MATTE TIN TAIL  
-FM: FLASH SELECTIVE GOLD, MATTE TIN TAIL  
-LTL: LIGHT GOLD, TIN LEAD TAILS
- TAIL OPTION**  
-DV: DOUBLE VERTICAL (USE FTSH-50-D)
- OPTIONS**  
-P: PICK & PLACE PAD (4 POS MIN) (SEE SHT 2, TABLE 5)  
-TR: TAPE & REEL PACKAGING  
-ES: END SHRROUDS (SEE FIG. 2, SHT 2) (MOLDED IN -EN 5 POS MIN; -02 & -03 LEAD STYLE ONLY) (SNAP SHRROUDS 9 POS MIN; -02 & -03 LEAD STYLE ONLY)  
-EJ: EJECTOR SHRROUDS (SEE FIG. 7, SHT 2) (10 POS MIN; -01 LEAD STYLE ONLY)  
-EJM: EJECTOR SHRROUDS WITH MOLDED ALIGNMENT PIN (SEE FIG. 8, SHT 2) (10 POS MIN; -01 LEAD STYLE ONLY) (NOT VALID WITH -A OPTION)  
-EJC: EJECTOR SHRROUDS WITH LOCKING CLIP (SEE FIG. 8, SHT 2) (10 POS MIN; -01 LEAD STYLE ONLY) (NOT VALID WITH -A OPTION)  
-EC: LOCKING CLIP (SEE FIG. 4, SHT. 2) (9 POS MIN; -02 & -03 LEAD STYLE ONLY)  
-EP: GUIDE POST (SEE FIG 9, SHT. 2) (9 POS MIN; -02 & -03 LEAD STYLE ONLY) (USE ONLY WHEN MATING WITH CLP)  
-EL: BOARD LOCK (SEE FIG 6, SHT 2) (9 POS MIN; -02 & -03 LEAD STYLE ONLY) (USE ONLY WHEN MATING WITH CLP)  
-EPC: GUIDE POST & LOCKING CLIP (SEE FIG 11, SHT 3) (9 POS MIN; -02 & -03 LEAD STYLE ONLY) (USE ONLY WHEN MATING WITH CLP) (NOT VALID WITH -A OPTION)  
-A: ALIGNMENT PIN (MOLDED OR STAKED) (SEE FIG. 12 & 13, SHT. 3) (MOLDED: 3 POSITION MIN, STAKED: 6 POSITION MIN) (SAMTEC DISCRETION ON WHICH -A PIN USED)  
-K: KEYING OPTION FOR MATING WITH FFSD (SEE TABLE 3, SHEET 3) 05 THRU 25 AVAILABLE AS STANDARD. [POSITION 13, 17, 20 & 25 AVAILABLE WITH ANY END SHRROUD OPTION] LEAD STYLE -01 ONLY, SEE FIG. 10, SHT. 3 (ALIGNMENT PIN AVAILABLE WITH -K OPTION BUT MUST BE MOLDED)  
\* -M: METAL PICK & PLACE PAD (5 POS MIN) (USE MPP-22-5) (SEE FIG. 15, SHT 4) (NOT AVAILABLE WITH -K OPTION)  
\* = NOT ENGINEERING APPROVED



LEAD STYLE	"A"	AUTOMATED BKT	HAND FILL	MICRO HEADER
-01	.120 [3.05]	T-1S15-03-XXX	T-1S40-03-XX-2	T-1S40-03-XX-2
-02	.075 [1.91]	T-1S15-03-XXX	T-1S15-03-XXX	NOT AVAILABLE
-03	.065 [1.65]	T-1S15-03-XXX	T-1S15-03-XXX	NOT AVAILABLE
-04	.150 [3.81]	T-1S15-03-XXX	T-1S15-03-XXX	NOT AVAILABLE

MATERIAL:  
INSULATOR:  
BLACK LIQUID CRYSTAL POLYMER  
TERMINAL:  
PHOSPHOR BRONZE

**samtec**

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PHONE (812) 944-6733 P.O. BOX 1147  
CODE 55332

MADE BY:  
PURVIS 10-12-95

FTSH-1XX-XX-XX-DV-XXX  
SHEET 1 OF 4