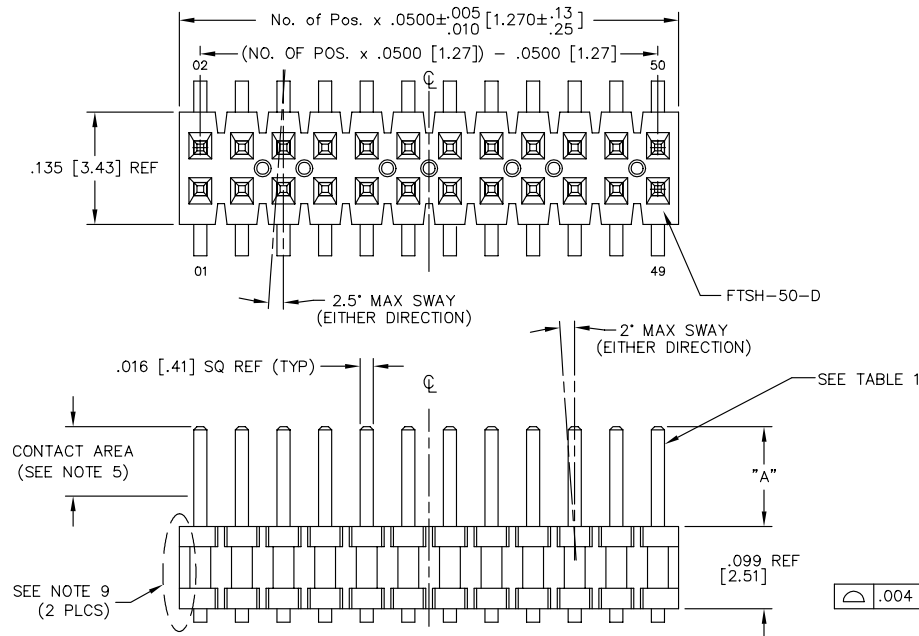


REVISION DJ

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)

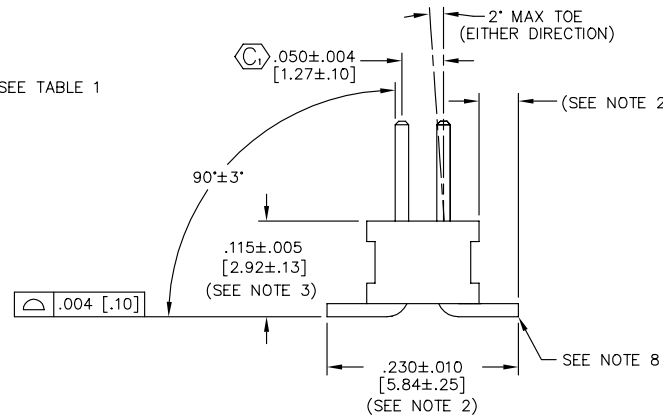
FIG. 1

PATENT NUMBERS
5713755 / 5961339

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC INC AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF SAMTEC INC.

DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE NOTED	TOLERANCES ARE:	TITLE:	DWG NO:
ONE PLACE DECIMALS ± .1[.254]	THREE PLACE DECIMALS ± .005[.13]		ANGLES ± 1°	.050 [1.27] x .050 [1.27] DOUBLE VERTICAL SMT TERMINAL STRIP	FTSH-1XX-XX-XX-DV-XXX 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

520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
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