

REV BK

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. $\odot$ 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
12. FILL WITH ALIGNMENT PIN HOLES TO TAIL SIDE.

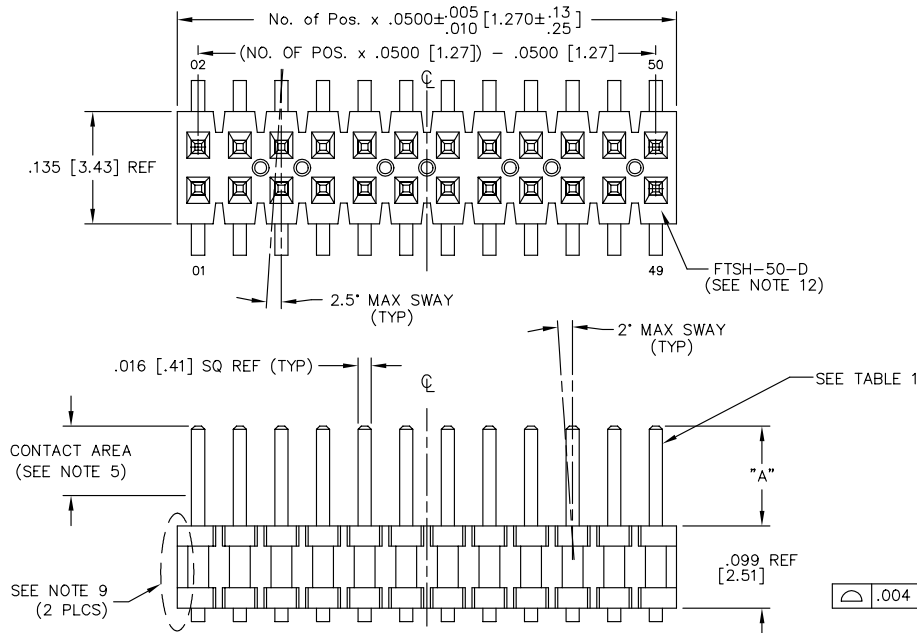


TABLE 2 (SEE SHEET 4 FOR TUBE PACKAGING VIEW)		
OPTION(S)	PACKAGING TUBE	TUBE PLUG
NONE, -A (-04 LEAD STYLE)	PT-1-24-04-15	TP-09 (2 REQ'D)
NONE, -A (-01, -02 LEAD STYLES)	PT-1-24-03-43	TP-24 (2 REQ'D)
NONE, -A (-03 LEAD STYLE)	PT-1-24-01-43	TP-24 (2 REQ'D)
-P (-01 LEAD STYLE)	PT-1-24-02-17	TP-09 (2 REQ'D)
-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	PT-1-24-04-09	TP-03 (2 REQ'D)
-EP, -EP-A, -EP-P, -EP-A-P	PT-1-24-04-09	TP-03 (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)
-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)
-EJ, -EJ-K, -EJ-K-P, -EJ-P, EJ-A-P -EJ-A, -EJ-K-A, -EJ-K-A-P, -EJM, -EJC	PT-FTSH003-DV-EJC-K	TP-03 (2 REQ'D)

PROPRIETARY NOTE
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WRITTEN CONSENT OF SAMTEC INC.

PATENT NUMBERS
5713755 / 5961339

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED TOLERANCES ARE:

ONE PLACE DECIMALS $\pm .1$ [.254] THREE PLACE DECIMALS $\pm .005$ [.13]
TWO PLACE DECIMALS $\pm .01$ [.25] FOUR PLACE DECIMALS $\pm .0010$ [.025]

ANGLES
 $\pm 1^\circ$

TITLE:
.050 [1.27] x .050 [1.27] $\odot$
DOUBLE VERTICAL
SMT TERMINAL STRIP

DWG NO:
FTSH-1XX-XX-XX-DV-XXX
SHEET 1 OF 4

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 SHROUDS (SEE FIG. 2, SHT 2)
(MOLDED IN -EN 5 POS MIN; -02 & -03 LEAD STYLE ONLY)
(SNAP SHROUDS 9 POS MIN; -02 & -03 LEAD STYLE ONLY)
- EJ: EJECTOR SHROUDS (SEE FIG. 7, SHT 2)
(10 POS MIN; -01 LEAD STYLE ONLY)
- EJM: EJECTOR SHROUDS WITH MOLDED ALIGNMENT PIN (SEE FIG. 8, SHT 2)
(10 POS MIN; -01 LEAD STYLE ONLY) (NOT VALID WITH -A OPTION)
- EJC: EJECTOR SHROUDS 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)
- 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
SHROUD 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

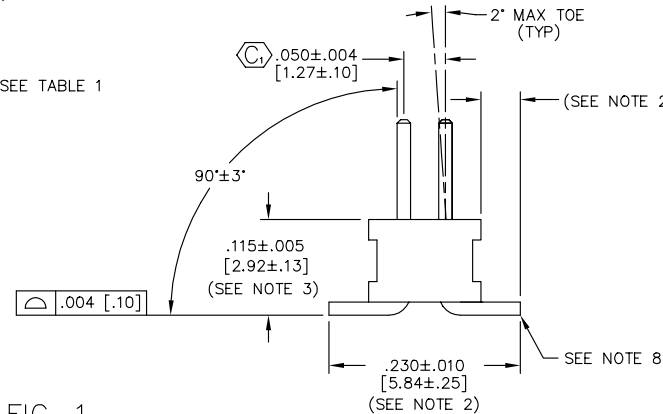


FIG. 1

TABLE 1				
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

EXISPROD/ASSEMBLY.050
FTSH-DV

520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944-6733 P.O. BOX 1147
CODE 55322

MADE BY:
PURVIS 10-12-95

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