

DO NOT SCALE FROM THIS PRINT

NOTES:

1.  $\text{⊕}$  REPRESENTS A CRITICAL DIMENSION.
2. PARTS MAY BE CUT TO POSITION.
3. MAXIMUM CUT FLASH: .010[0.25] ON TAIL SIDE, ALL OTHER AREAS AT .015[0.38]. LOOSE CUT FLASH MUST BE REMOVED.
4. MINIMUM PUSHOUT FORCE: 1.0 LB.
5. TERMINALS TO BE SHEARED TO MEET DIMENSION SPECIFICATION.
6. LAYER PACKAGE 2 - 4 POSITIONS AND TUBE 5 - 50 POSITIONS.
7. MAXIMUM BURR ALLOWANCE: .003[0.08].
8. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -EC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -EC OPTION.
9. MAXIMUM HEIGHT VARIATION BETWEEN ROWS: .005[0.13].
10. VOIDS MAY OR MAY NOT BE PRESENT ON POSITIONS 5 THROUGH 8 AND CAN BE MIXED WITHIN AN ORDER.

FTSH-1XX-XX-XXX-D-XXX-XX

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]

PLATING SPECIFICATION

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

ROW SPECIFICATION

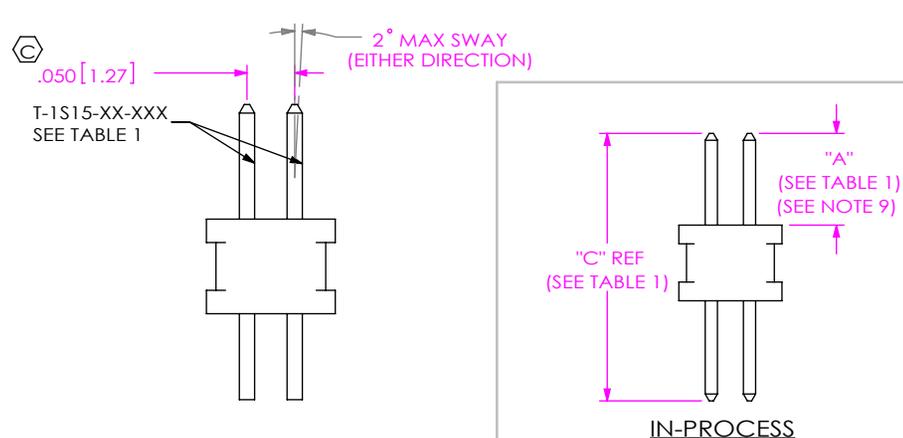
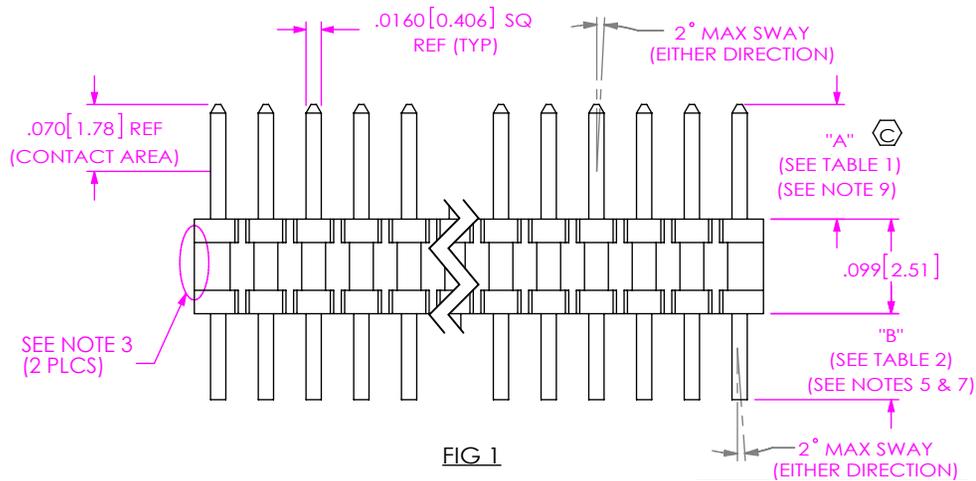
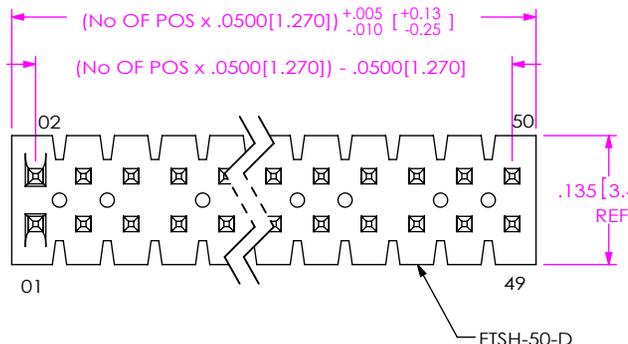
-D: DOUBLE ROW

OPTIONS

- ES: END SHROUDS (SEE FIG 2, SHT 2) (MOLDED 5 POS MIN; -02 & -03 LEAD STYLE ONLY) (MUST USE FTSH-XX-ES-XX-X) (SNAP SHROUDS 9 POS MIN; -02 & -03 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
- EJ: EJECTOR SHROUDS: (SEE FIG 3, SHT 2) (10 POS MIN; -01 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
- EC: LOCKING CLIP (SEE FIG 4, SHT 2; SEE NOTE 8) (9 POS MIN; -02 & -03 LEAD STYLES ONLY) (MUST USE FTSH-50-D)
- EP: GUIDE POST (SEE FIG 5, SHT 2) (9 POS MIN; -02 & -03 LEAD STYLES ONLY) (USE ONLY WHEN MATING WITH CLP) (MUST USE FTSH-50-D)
- EL: BOARD LOCKS (SEE FIG 6, SHT 2) (9 POS MIN; -02 & -03 LEAD STYLES ONLY) (USE ONLY WHEN MATING WITH CLP) (MUST USE FTSH-50-D)
- K: KEYING OPTION FOR MATING WITH FFSD (05 THRU 25 ONLY) (POSITION 13, 17, 20 & 25 AVAILABLE WITH -EJ OPTION) (LEAD STYLE -01 ONLY, SEE FIG 7, SHT 3) (MUST USE FTSH-XX-CN-XX)
- LC: LOCKING CLIP: (SEE FIG 8, SHT 3) (5 POS MIN, ONLY AVAILABLE IN -01 LEAD STYLE) (IN COMBINATION WITH -K, USE FTSH-XX-CN-XX, 10 POSITION MINIMUM, ONLY AVAILABLE IN -01 LEAD STYLE) (MUST USE FTSH-50-D) (SINGLE MATING CYCLE ONLY) (MUST BE MATED TO SAMTEC FFSD SERIES)

POLARIZING OPTION

XXX INDICATES POSITION TO BE OMITTED (NOT AVAILABLE WITH EX OPTIONS) (ONLY AVAILABLE WITH -F, -FM, -L, -LM PLATING OPTIONS)



LEAD STYLE	"A"	TERMINAL	"C" REF
-01	.120 [3.05]	T-1S15-02-XX	.350 [8.89]
-02	.075 [1.91]	T-1S15-02-XX	.350 [8.89]
-03	.065 [1.65]	T-1S15-04-XX	.450 [11.43]
-04	.150 [3.81]	T-1S15-04-XX	.450 [11.43]

OPTIONS	"B"
NONE	.09 [2.3]
-ES, -EC	.09 [2.3]
-EJ, -EJ-K	.11 [2.7]
-EP	.09 [2.3]
-EL	.09 [2.3]
-K	.09 [2.3]
-LC, -K-LC	.12 [3.0]

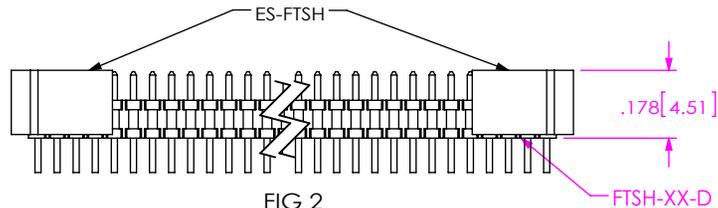
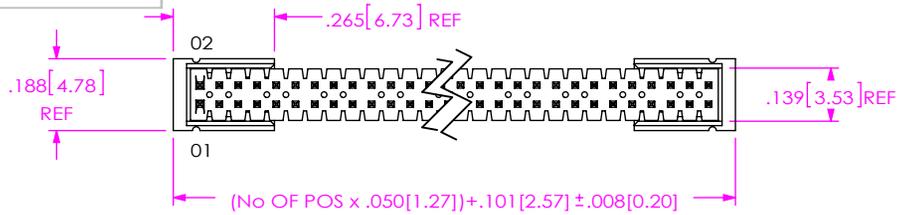
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
DECIMALS ANGLES  
.XX:  $\pm 0.01$  [3] 1°  
.XXX:  $\pm 0.005$  [13]  
.XXXX:  $\pm 0.0010$  [25]

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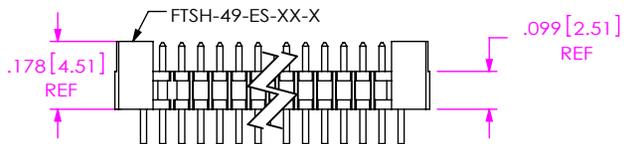
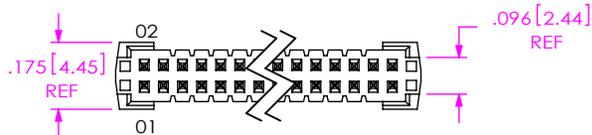
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 5:1  
INSULATOR: LCD UL 94-V0  
TERMINAL: PHOSPHOR BRONZE

**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 CL THROUGH HOLE TERMINAL STRIP  
DWG. NO. FTSH-1XX-XX-XXX-D-XXX-XX  
BY: J. FERRY 02/27/1996 SHEET 1 OF 3



**FIG 2**  
-ES OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(-O2 OR -O3 LEAD STYLE ONLY)  
(9 POS MIN FOR SNAP SHROUDS)  
(5 POS MIN FOR MOLDED SHROUDS)

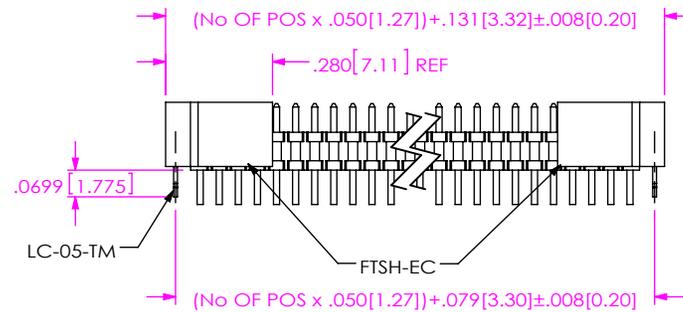
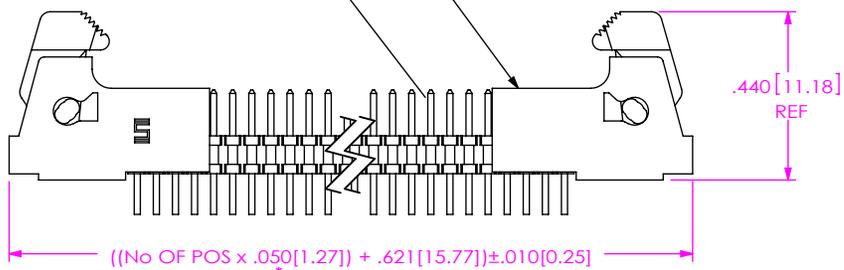


(MOLDED SHROUDS)

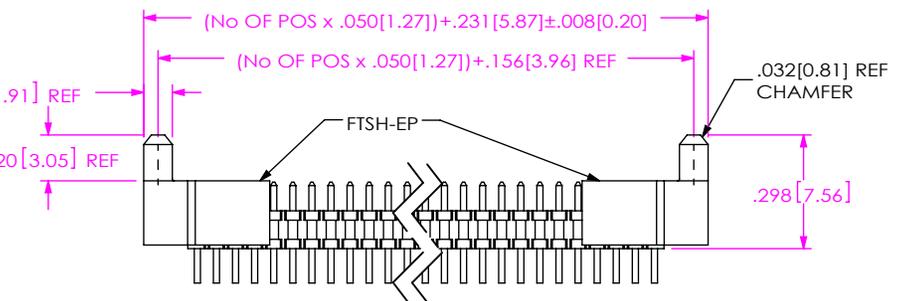
**FIG 3**  
-EJ OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(-O1 LEAD STYLE ONLY)

USE SUB-FTSH-EJEHA  
(2 REQ'D PER ASSEMBLY  
EACH USES 1 EHA-O2,  
1 FTSH-EJ)

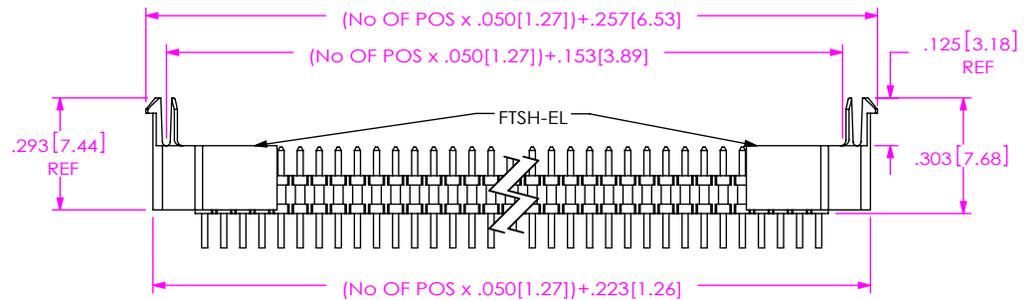
POST SIDE OF CONNECTOR



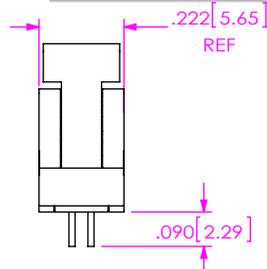
**FIG 4**  
-EC OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)



**FIG 5**  
-EP OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)  
(USE ONLY WHEN MATING WITH CLP)



**FIG 6**  
-EL OPTION  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)  
(USE ONLY WHEN MATING WITH CLP)



F:\DWG\MISC\MKTG\FTSH-1XX-XX-XXX-D-XXX-XX-MKT.SLDRW

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SHEET SCALE: 2:1

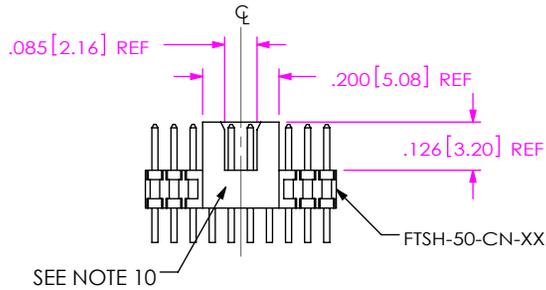
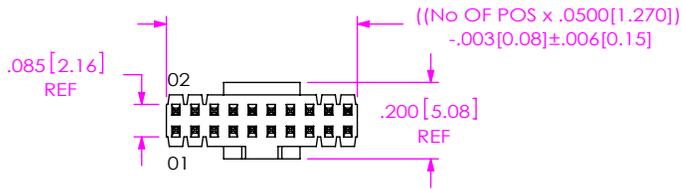


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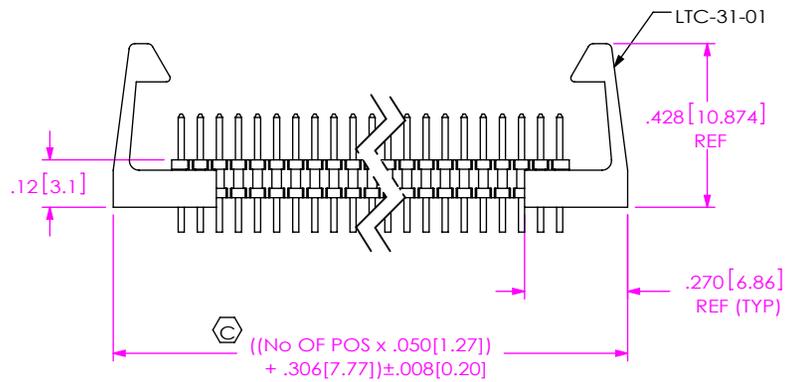
DESCRIPTION:  
.050 x .050 CL THROUGH HOLE TERMINAL STRIP  
DWG. NO.

**FTSH-1XX-XX-XXX-D-XXX-XX**

BY: J. FERRY 02/27/1996 SHEET 2 OF 3



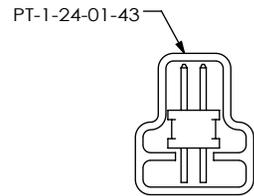
**FIG 7**  
-K OPTION  
(LEAD STYLE -01)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(POSITION 13, 17, 20 & 25 AVAILABLE WITH -K & -EJ OPTION)



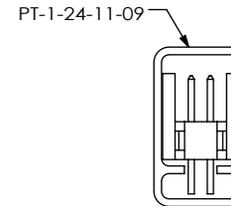
**FIG 8**  
-LC OPTION  
(LEAD STYLE -01)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

**TABLE 3**  
(SEE NOTE 6)

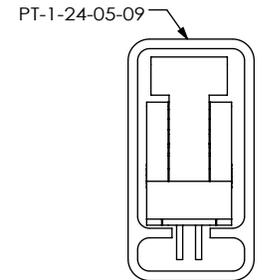
LEAD STYLE	OPTION(S)	PACKAGING TUBE	TUBE PLUG
-01, -02, -03	NONE	PT-1-24-01-43	TP-24
-04	NONE	PT-1-24-11-09	TP-09
ALL	-EJ, -EJ-K, -LC, -K-LC	PT-1-24-05-09	TP-07
ALL	-EC, -EC-K	PT-1-24-01-38	TP-24
ALL	-EL, -EP, -EL-K, -EP-K	PT-1-24-03-09	TP-09
ALL	-K	PT-1-24-11-09	TP-09
ALL	-ES, -ES-K	PT-1-24-01-55	TP-24



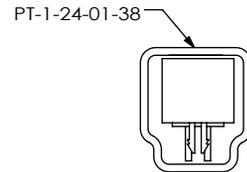
-01, -02, -03



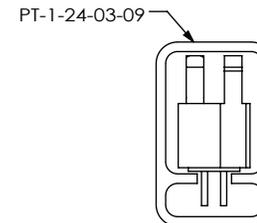
-04 & -K



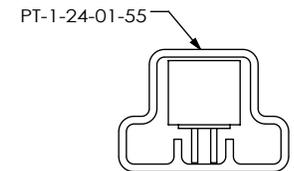
-EJ, -EJ-K, -LC & -LC-K



-EC & -EC-K



-EL, -EP, -EL-K & -EP-K



-ES & -ES-K

**FIG 9**  
TUBE VIEWS

F:\DWG\MISC\MKTG\FISH-1XX-XX-XXX-D-XXX-XX-MKT.SLDDRW

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