

REVISION BG

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. 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.

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

BG

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

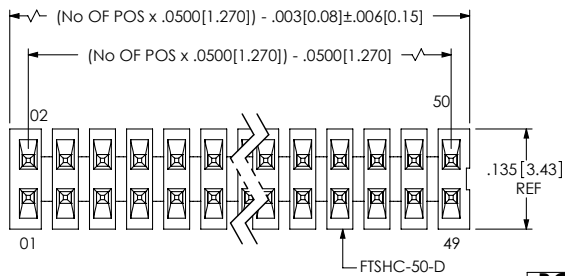
LEAD STYLE
-01: .120 [3.05]
-02: .075 [1.91]
-03: .065 [1.65]
-04: .150 [3.81]

PLATING SPECIFICATION

- (VALUES GIVEN ARE IN MICRO INCHES)
- F: FLASH SELECTIVE, 3 Au / 40 MIN Ni ON CONTACT AREA, MATTE TIN ON TAIL
 - L: LIGHT SELECTIVE, 10 Au / 40 MIN Ni ON CONTACT AREA, MATTE TIN ON TAIL
 - S: SELECTIVE, 30 Au / 40 MIN Ni ON CONTACT AREA, MATTE TIN ON TAIL
 - H: HEAVY GOLD, 30 Au / 40 Ni ON CONTACT AREA, MATTE TIN ON TAIL
 - FM: FLASH SELECTIVE GOLD, 3 Au / 40 MIN Ni ON CONTACT AREA, MATTE TIN ON TAIL
 - LM: LIGHT SELECTIVE GOLD, 10 Au / 40 MIN Ni ON CONTACT AREA, MATTE TIN TAIL
 - SM: HEAVY SELECTIVE GOLD, 30 Au / 40 MIN Ni ON CONTACT AREA, MATTE TIN ON TAIL
 - LT: LIGHT GOLD, 10 Au / 40 MIN Ni ON CONTACT AREA, 90 / 10 ± 5% TIN LEAD ON TAIL

OPTIONS

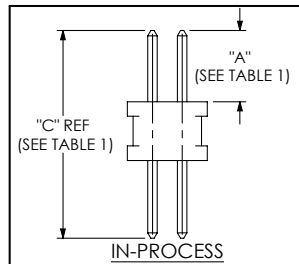
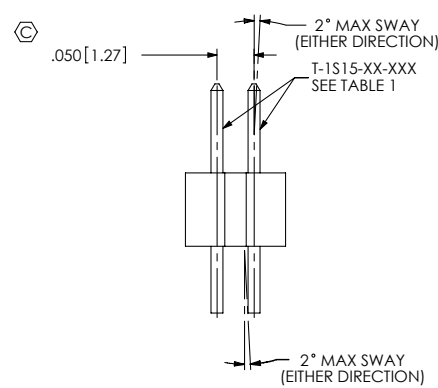
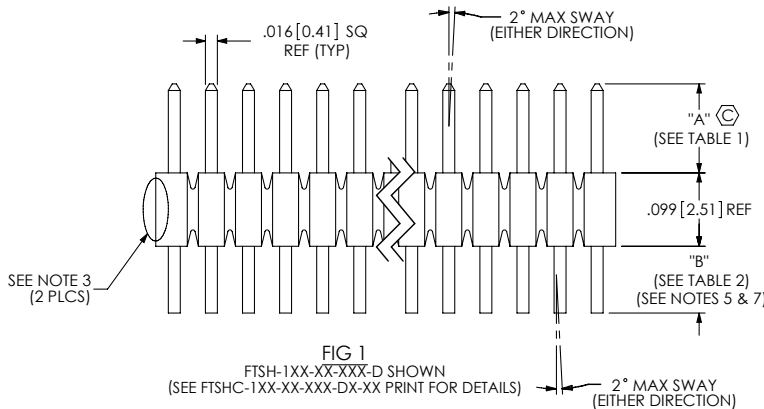
- ES: END SHROUDS (SEE FIG 2, SHT 2) (MOLDED 5 POS MIN; -02 & -03 LEAD STYLE ONLY) (MUST USE FTSH-XX-ES-XX-X) (SNAP SHROUDS 9 POS MIN; -02 & -03 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
 - EJ: EJECTOR SHROUDS; (SEE FIG 3, SHT 2) (10 POS MIN; -01 LEAD STYLE ONLY) (MUST USE FTSH-50-D)
 - EC: LOCKING CLIP (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: LATCHING CLIP; (SEE FIG 8, SHT 3) (5 POS MIN; -02 & -03 LEAD STYLES ONLY) (AVAILABLE WITH -K; 10 POS MIN) (MUST USE FTSH-50-D)
- * = NOT RELEASED FOR PRODUCTION



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ROW SPECIFICATION

- D: DOUBLE ROW (USE **FTSHC-1XX-XX-XXX-D UNLESS OPTION IS SPECIFIED ABOVE. WHEN OPTION IS SPECIFIED, BUILD PER PRINT USING BODY SPECIFIED FOR REQUIRED OPTION)
- ** = SEE FTSHC-1XX-XX-XXX-DX-XX PRINT FOR DETAILS



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TABLE 1

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]

TABLE 2

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, -LC-K	.12 [3.0]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [3] 1°
.XXX: ±.005 [13]
.XXXX: ±.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-XX**
BY: J. FERRY 02/27/1996 SHEET 1 OF 3

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REVISION BG

FIG 2
-ES OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(-02 OR -03 LEAD STYLE ONLY)
(9 POS MIN FOR SNAP SHROUDS)
(5 POS MIN FOR MOLDED SHROUDS)

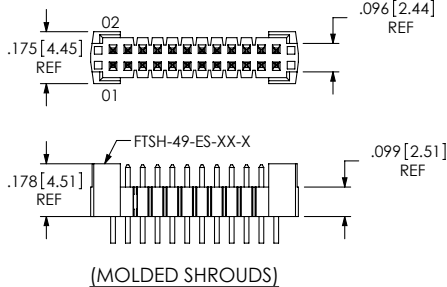
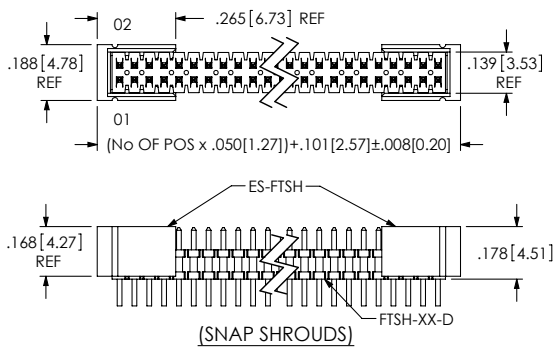


FIG 3
-EJ OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(-01 LEAD STYLE ONLY)

USE SUB-FTSH-EJEHA
(2 REQ'D PER ASSEMBLY
EACH USES 1 EHA-02,
1 FTSH-EJ)

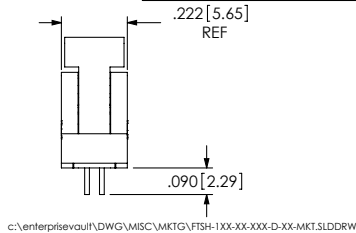
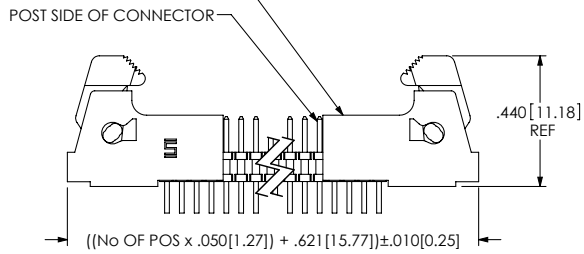


FIG 4
-EC OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

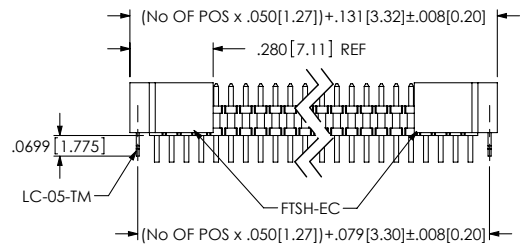


FIG 5
-EP OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(USE ONLY WHEN MATING WITH CLP)

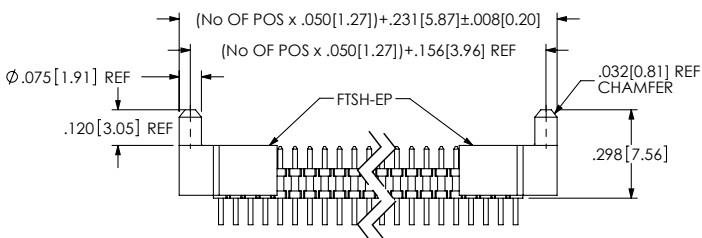
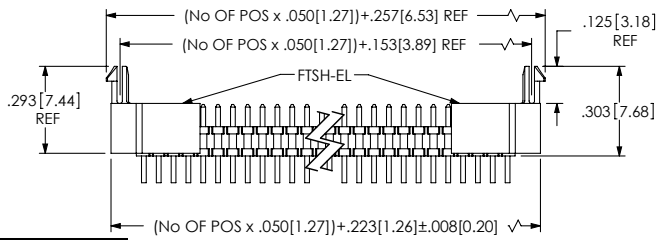


FIG 6
-EL OPTION
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(USE ONLY WHEN MATING WITH CLP)



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SHEET SCALE: 2:1



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

REVISION BG

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)

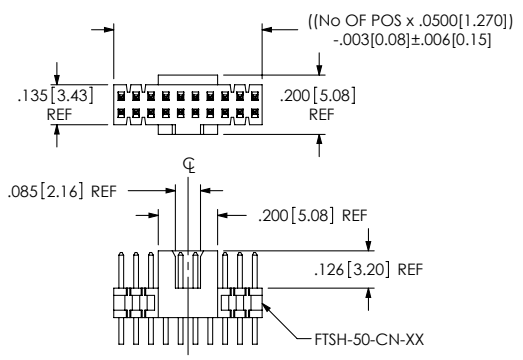


FIG 8
-LC OPTION
(LEAD STYLE -01)

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
*NOT RELEASED FOR PRODUCTION

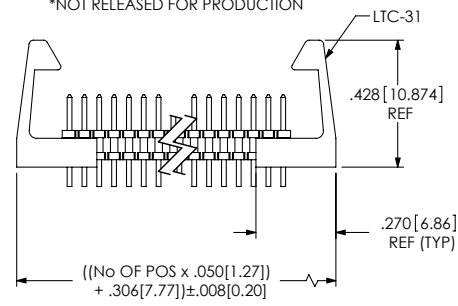
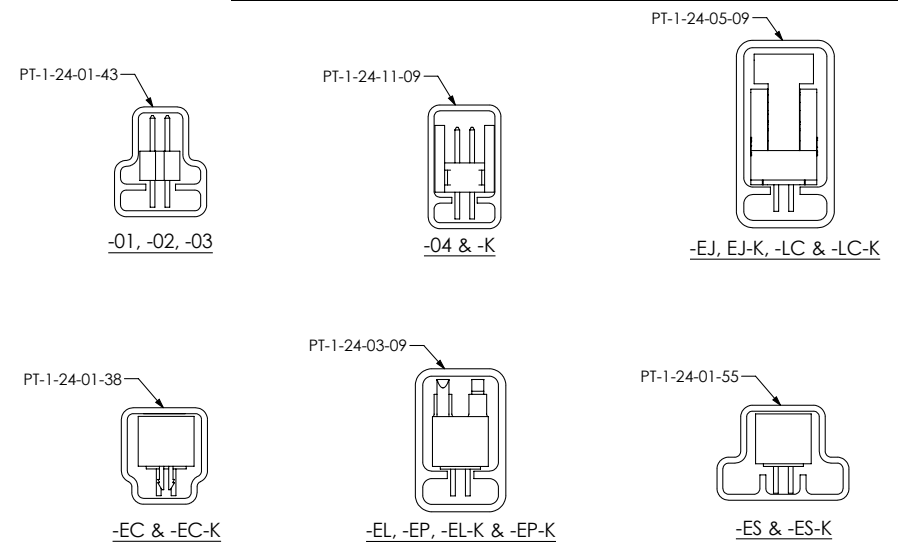


FIG 9
TUBE VIEWS

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, -LC-K	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



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

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