

REVISION BX

DO NOT
SCALE FROM
THIS PRINT

NOTES:

1. $\odot$ REPRESENTS A CRITICAL DIMENSION
2. MINIMUM PUSH OUT FORCE: .5 LB.
3. MAXIMUM BURR ALLOWED: .002[.05].
4. MAXIMUM CUT FLASH:
 - NO CUT FLASH ALLOWED ON THE BOTTOM
 - MATING SURFACE CUT FLASH ALLOWED .010[0.25], THE REST NON-CRITICAL AREA ALLOWED .015[0.38].
 - LOOSE CUT FLASH MUST BE REMOVED.
5. MAXIMUM HEIGHT VARIATION .005[.13] BETWEEN ROWS.
6. APPLIES TO FIRST AND LAST PIN.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
8. ATTACH LABEL -4X2 TO EACH REEL.

PATENT NUMBERS
5713755 / 5961339

FTSH-1XX-XX-XXX-DH-X-X-XX

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

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

PACKAGING

BLANK: TUBES
(SEE PACKAGING VIEW, SHT 3)
-TR: TAPE & REEL (SEE NOTES 7 & 8)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 7 & 8)

PICK AND PLACE OPTION

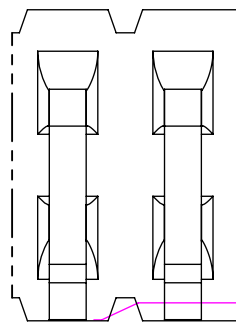
-C: POLYIMIDE FILM
(USE K-DOT-.197-.344-.005)
(SEE FIG 4, SHEET 3)

OPTIONS

-A: ALIGNMENT PIN
(SEE FIG 2, SHEET 2 & FIG 3, SHEET 3)
(MOLDED TO POSITION OR STAKED)
(SAMTEC DISCRETION WHICH -A PIN IS USED)
(STAKED 6 POSITION MIN. SEE FIG 3, SHEET 3, USE FTSH-50-DH)
(MOLDED 5 POSITION MIN. SEE FIG 2, SHEET 2, USE FTSH-50-DH-AXX)

TAIL OPTION

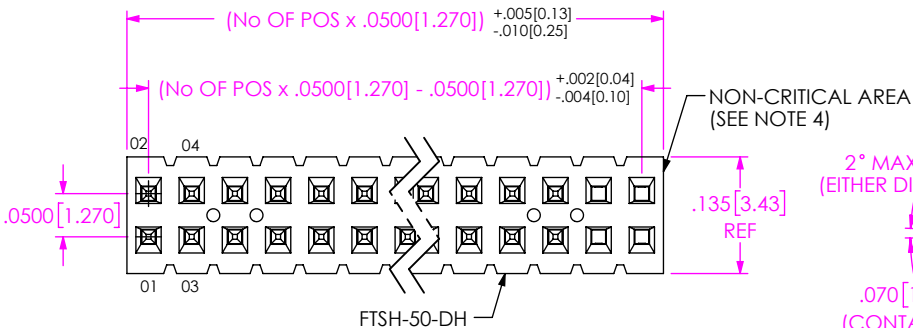
-DH: DOUBLE HORIZONTAL



DETAIL 'B'
SCALE 12:1

- PLATING SPECIFICATION
- L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - H: 30μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
 - LM: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - FM: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
 - LTL: 10μ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10+/-5%) TAIL
 - G: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
 - STL: 30μ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10 +/-5%) ON TAIL

TABLE 3	
No OF POS PER FINISHED ASSM	No OF FINISHED ASSEMBLIES PER FULL STRIP
4 - 5	10
6 - 10	5
11 - 16	3
17 - 25	2
26 - 50	1



2° MAX SWAY
(EITHER DIRECTION)

.070 [1.78] REF
(CONTACT AREA)

NON-CRITICAL AREA
(SEE NOTE 4)

CRITICAL AREA
(SEE NOTE 4)

.016 [0.41] SQ REF (TYP)

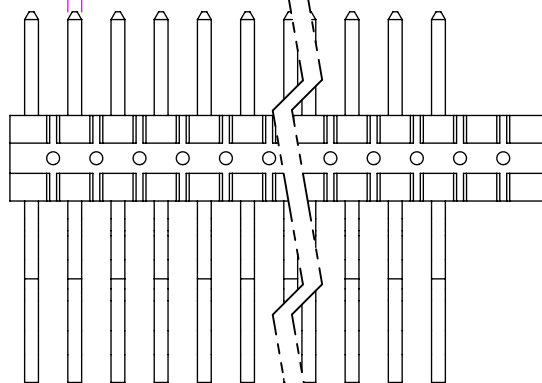


TABLE 1

LEAD STYLE	"A"
-01	.120 [3.05]
-02	.075 [1.91]
-04	.150 [3.81]

FIG 1

FTSH-1XX-XX-XXX-DH SHOWN

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

ANGLES

.XX: ±.01 [.3]

2°

.XXX: ±.005 [.13]

.XXXX: ±.0020 [.051]

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MATERIAL:

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SHEET SCALE: 4.5:1

INSULATOR:

LCP, UL 94-V0 COLOR: BLACK

TERMINAL:

PHOSPHOR BRONZE, ALLOY No. 510, GRADE A, FED. SPEC.

QQ-B-750, SPRING TEMPER

c:\enterprise\dwg\MISC\MKTG\FTSH-1XX-XX-XXX-DH-X-X-XX-MKT.SLDDRW

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:

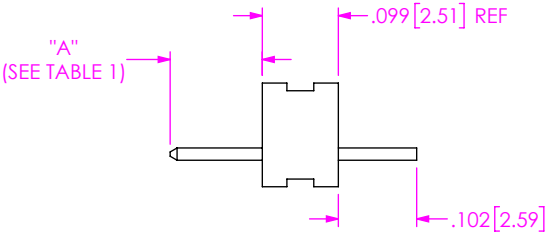
.050 x .050 C.L. DOUBLE HORIZONTAL TERMINAL STRIP

DWG. NO.

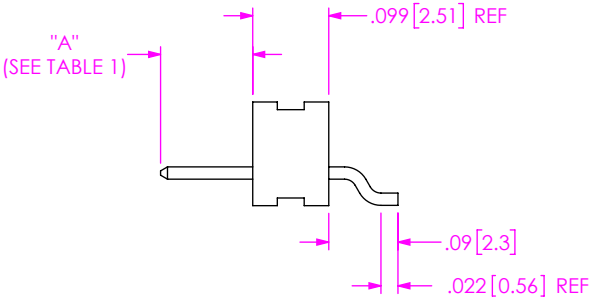
FTSH-1XX-XX-XXX-DH-X-X-XX

BY: BRATCHER 01/04/1995

SHEET 1 OF 3



IN-PROCESS 1



IN-PROCESS 2

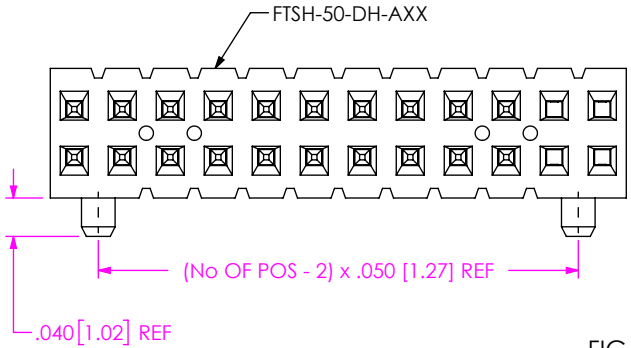
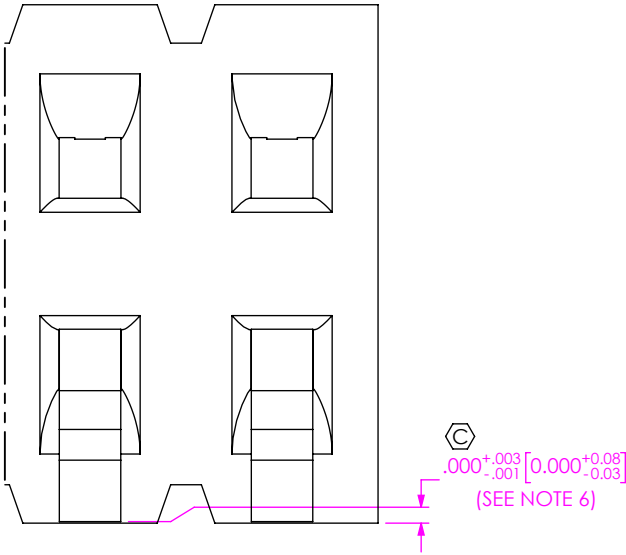
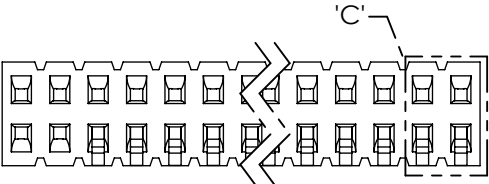
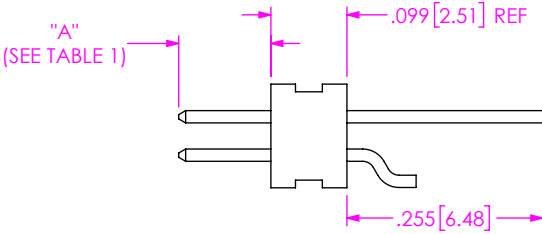
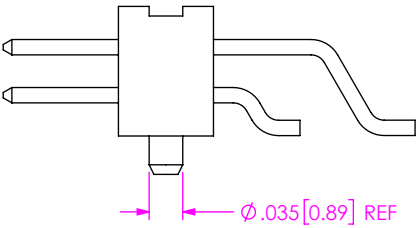


FIG 2
-A: ALIGNMENT PIN (MOLDED) OPTION
DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 1



IN-PROCESS 3

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SHEET SCALE: 2:1

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 C.L. DOUBLE HORIZONTAL TERMINAL STRIP

DWG. NO.
FTSH-1XX-XX-XXX-DH-X-X-XX

BY: BRATCHER 01/04/1995 SHEET 2 OF 3

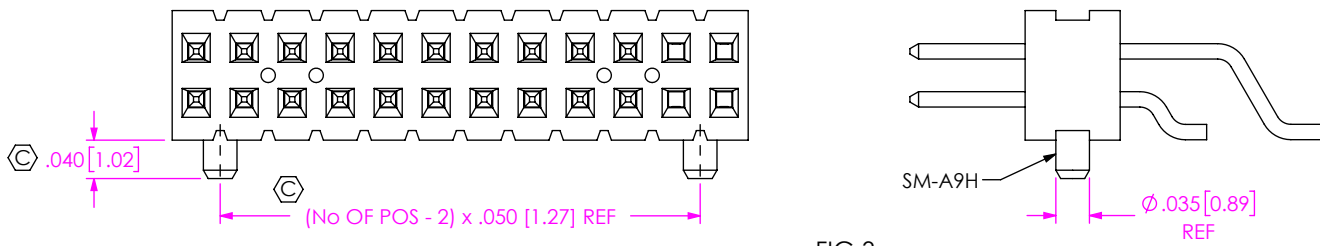


FIG 3
-A: ALIGNMENT PIN (STAKED) OPTION
DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 2

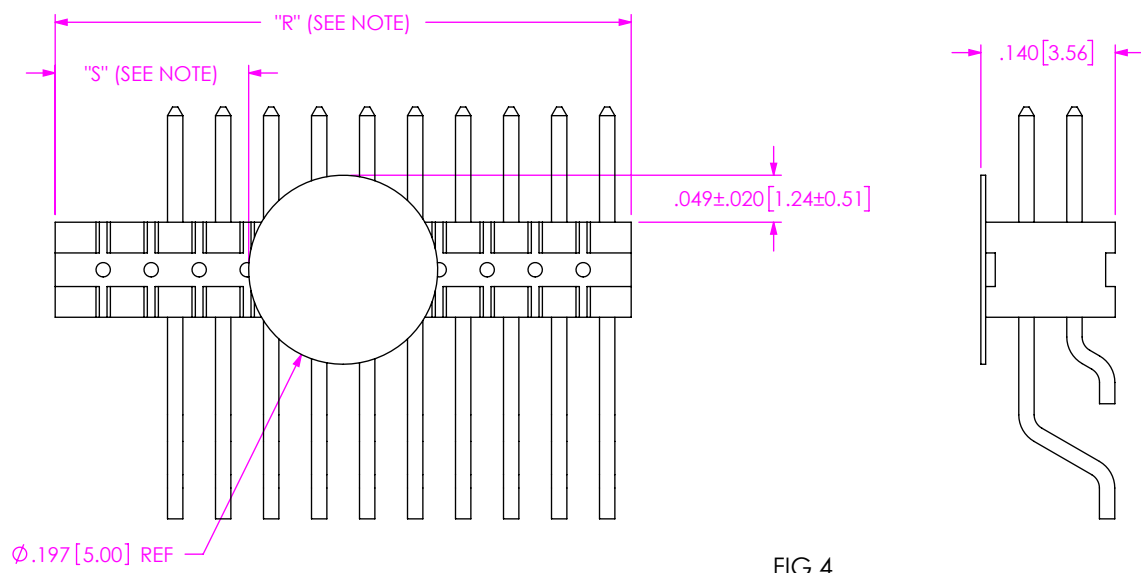
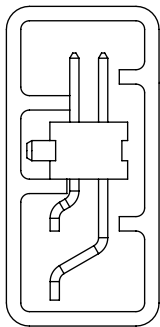


FIG 4
-C: POLYIMIDE FILM

NOTE: "R" = USED MEASURED DIMENSION (REF)
"S" = (("R" - .1969 [5.001]) / 2) ±.020 [.51]



PT-FTSH001-DH

PACKAGING NOTES BY POSITION: FOLLOW PACKAGING MANUAL FOR ALL METHODS.

- 1. PACKAGE POSITIONS 02-09 USING LAYER PACKAGING WITH ONE EXCEPTION FOR -C OPTION. -C OPTION PART POSITIONS 05-09 ARE TO BE TUBED.
- 2. ALL POSITIONS ALL OPTIONS POSITIONS 10-50 ARE TO BE TUBED.
- 3. IF THE PARTS ARE PACKAGED IN A TUBE, PER EITHER 1 OR 2, USE THE TUBE PT-FTSH001-DH WITH PLUG TP-24.

PACKAGING VIEW

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SHEET SCALE: 2:1



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DESCRIPTION: .050 x .050 C.L. DOUBLE HORIZONTAL TERMINAL STRIP
DWG. NO. FTSH-1XX-XX-XXX-DH-X-X-XX
BY: BRATCHER 01/04/1995
SHEET 3 OF 3