NOTES:
1. Ⓒ REPRESENTS A CRITICAL DIMENSION
2. MINIMUM PUSH OUT FORCE: .5 LB.
3. MAXIMUM BURR ALLOWED: .002[.05].
4. MAXIMUM CUT FLASH ALLOWED IN NON- CRITICAL AREA: .010[.25], NO CUT FLASH ALLOWED IN CRITICAL AREAS AS SHOWN.
5. MAXIMUM HEIGHT VARIATION .005[.13] BETWEEN ROWS.
6. APPLIES TO FIRST AND LAST PIN OF EACH ROW.

PATENT NUMBERS
5713755 / 5961339

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

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

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

PLATING SPECIFICATION
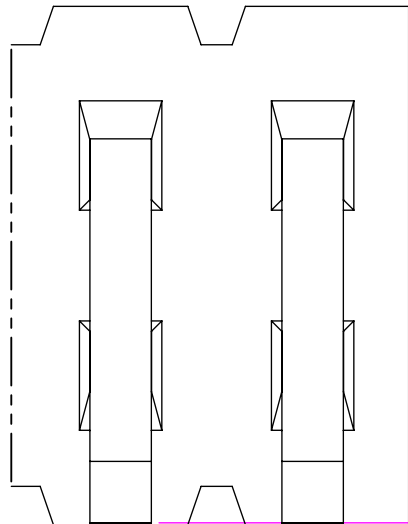-L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-H: 30μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
-LM: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-FM: 3μ" SELECTIVE 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
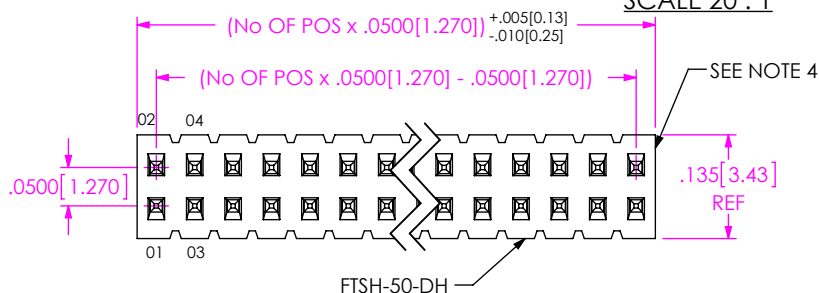-G: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL

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

TAIL OPTION
-DH: DOUBLE HORIZONTAL

DETAIL 'B'
SCALE 20 : 1

.001±.002[0.01±0.05]
(SEE NOTE 6) Ⓒ

(No OF POS x .0500[1.270]) +.005[0.13] / -.010[0.25]

(No OF POS x .0500[1.270] - .0500[1.270])

SEE NOTE 4

.0500[1.270]

.135[3.43] REF

02 04
01 03

FTSH-50-DH

2° MAX SWAY (EITHER DIRECTION)

"A"

.099[2.51] REF

Ⓒ

T-1S15-17-XXX
SEE NOTE 3

'B'

.070[1.78] REF (CONTACT AREA)

.006[0.15]

CRITICAL AREA (SEE NOTE 4)

.21[5.3]

.032[0.82]

.016[0.41] SQ REF (TYP)

2° MAX SWAY (EITHER DIRECTION)

FIG 1
FTSH-1XX-XX-XXX-DH SHOWN
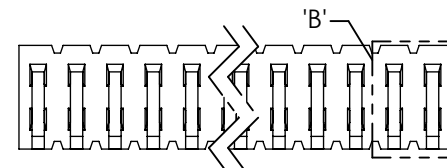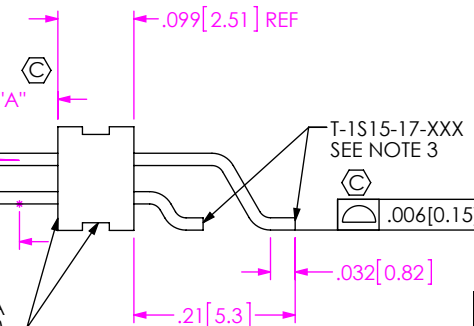
TABLE 3

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

TABLE 1

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

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS   ANGLES
.XX: ±.01 [.3]   2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

MATERIAL:
INSULATOR:
LCP, UL 94-V0 COLOR: BLACK
TERMINAL:
PHOSPHOR BRONZE, ALLOY No. 510, GRADE A, FED. SPEC. QQ-B-750, SPRING TEMPER

DO NOT SCALE DRAWING   SHEET SCALE: 4:1

SAMTEC

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733   FAX: 812-948-5047
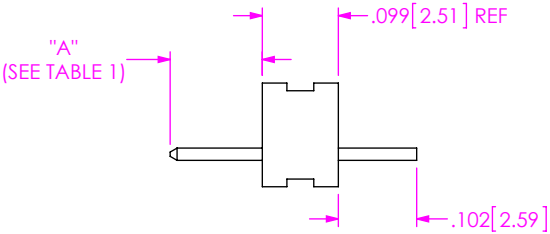e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
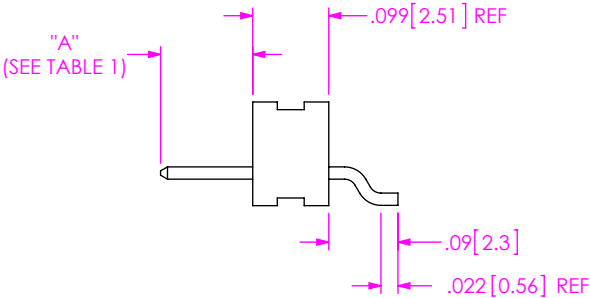.050 x .050 C.L. DOUBLE HORIZONTAL TERMINAL STRIP
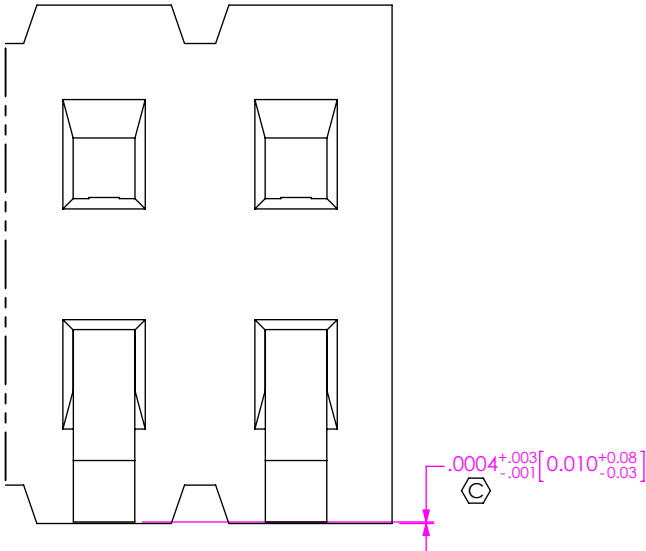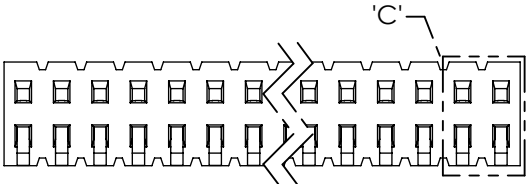
DWG. NO.
FTSH-1XX-XX-XXX-DH-XX

BY: BRATCHER 01/04/1995   SHEET 1 OF 3

F:\DWG\MISC\MKTG\FTSH-1XX-XX-XXX-DH-XX-MKT.SLDDRW

REVISION BP

.099[2.51] REF

"A"
(SEE TABLE 1)

.102[2.59]

IN-PROCESS 1

"A"
(SEE TABLE 1)

.099[2.51] REF

.09[2.3]

.022[0.56] REF

IN-PROCESS 2

'C'

DETAIL 'C'
SCALE 20 : 1

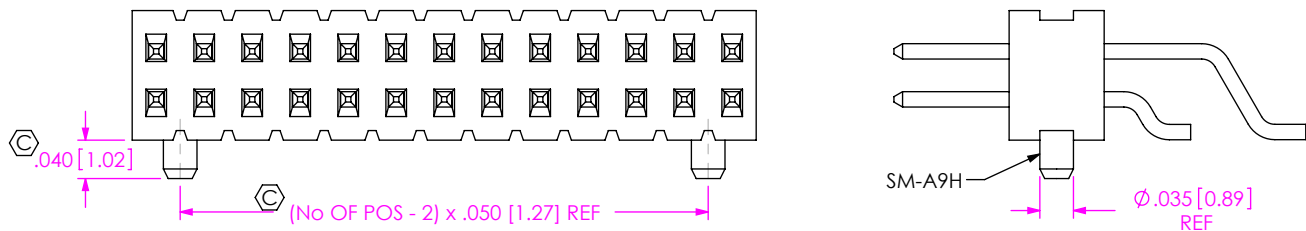$.0004^{+.003}_{-.001}[0.010^{+0.08}_{-0.03}]$
Ⓒ

FTSH-50-DH-AXX

(No OF POS - 2) x .050 [1.27] REF

.040[1.02] REF
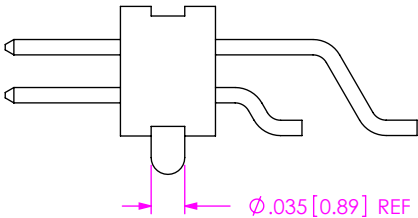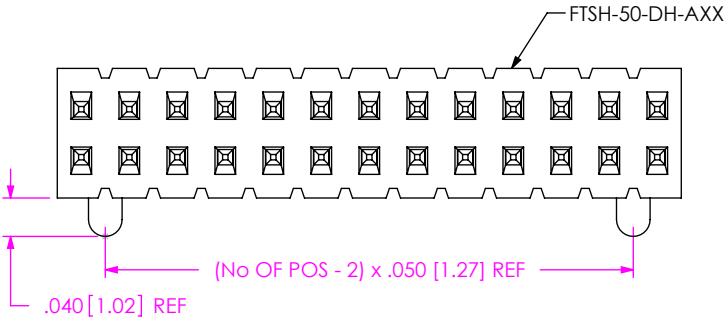
FIG 2
-A: ALIGNMENT PIN (MOLDED) OPTION
DIFFERENT AS SHOWN, OTHERWISE
SAME AS FIG 1

Ø.035[0.89] REF

"A"
(SEE TABLE 1)

.099[2.51] REF

.255[6.48]

IN-PROCESS 3

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

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

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

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

F:\DWG\MISC\MKTG\FTSH-1XX-XX-XXX-DH-XX-MKT.SLDDRW

REVISION BP

.040 [1.02]

(No OF POS - 2) x .050 [1.27] REF

SM-A9H

Ø.035 [0.89]
REF

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

"R" (SEE NOTE)

"S" (SEE NOTE)
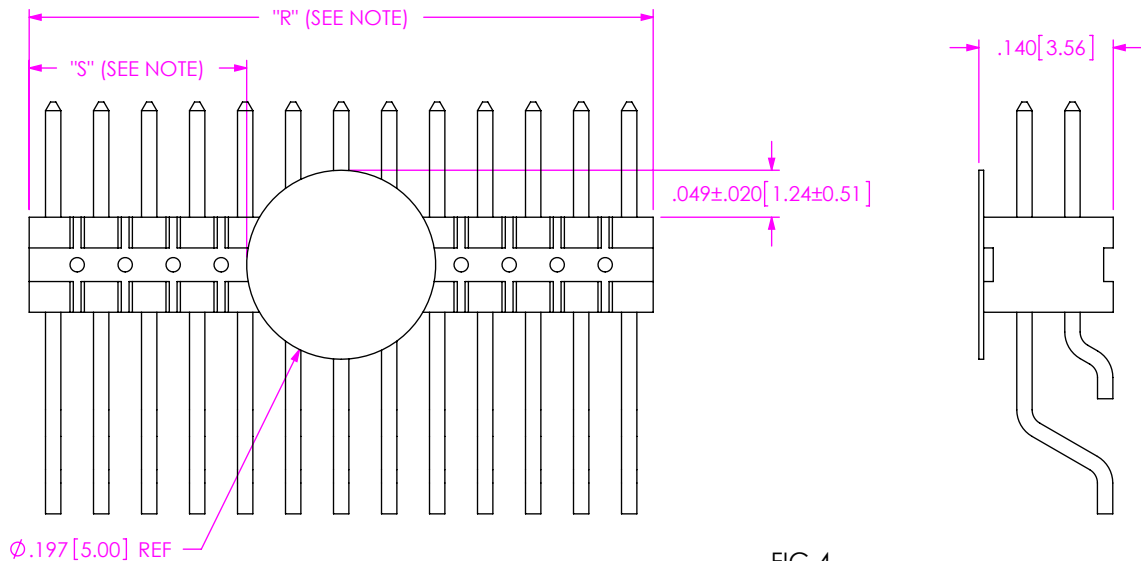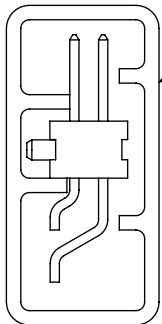
.049±.020 [1.24±0.51]

.140 [3.56]

Ø.197 [5.00] REF

FIG 4
-C: POLYIMIDE FILM

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

PT-FTSH001-DH

PACKAGING NOTES:
1. PACKAGE POSITIONS 10 THROUGH 50 IN TUBES.
2. POSITIONS 02 THROUGH 09 ARE TO BE
   LAYER PACKAGED. EXCEPT FOR -C OPTION,
   TUBE POSITIONS 05 THROUGH 50.
3. ALL PART POSITIONS 05 THROUGH 50 USE
   PT-FTSH001-DH.
4. USE TP-24 PLUG.

PACKAGING VIEW

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

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

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

F:\DWG\MISC\MKTG\FTSH-1XX-XX-XXX-DH-XX-MKT.SLDDRW