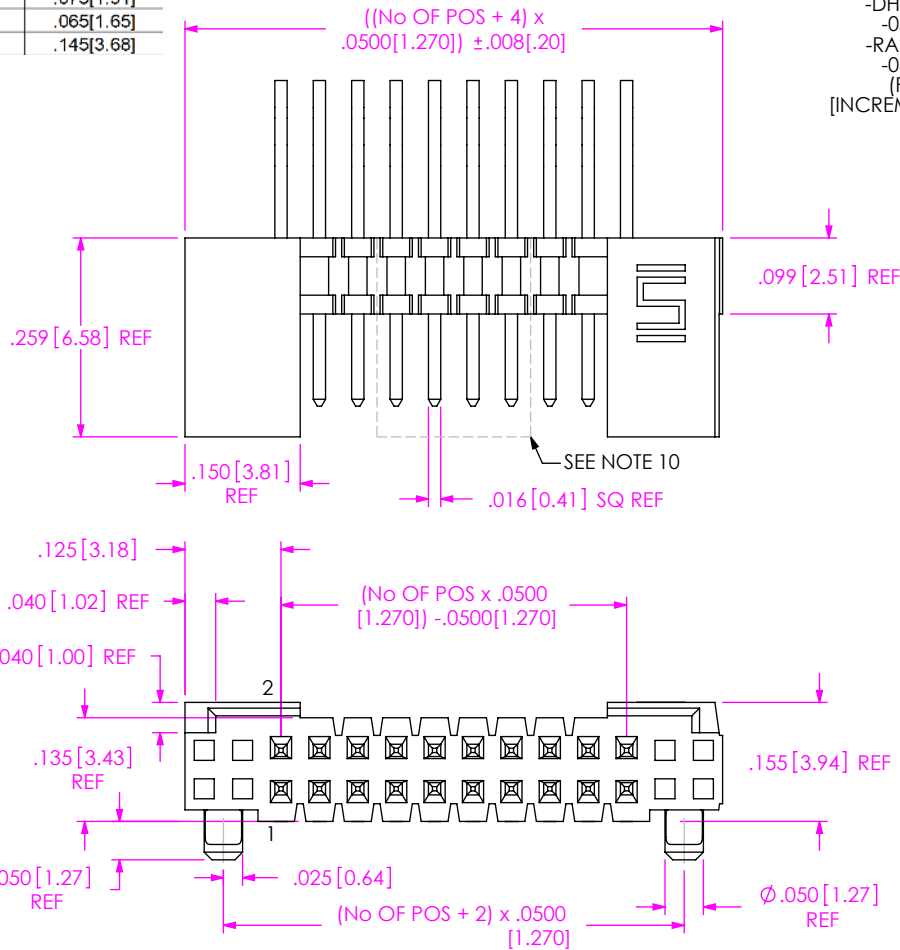


DO NOT SCALE FROM THIS PRINT

TABLE 1	
STYLE	"A"
-01	.120[3.05]
-02	.075[1.91]
-03	.065[1.65]
-04	.145[3.68]



FSH-1XX-XX-XXX-XX-XX-X-XX

No OF POSITIONS
 -DH ROW SPEC:
 -05 THRU -25
 -RA ROW SPEC:
 -05 THRU -46
 (PER ROW)
 [INCREMENTS OF 5 STD]

LEAD STYLE
 -01
 -02
 -03
 -04

PLATING SPECIFICATION

-L: LIGHT SELECTIVE (USE T-1S15-XX-L)
 -F: FLASH SELECTIVE (USE T-1S15-XX-F)
 -S: SELECTIVE GOLD/MATTE TIN TAIL (USE T-1S15-XX-S)
 -LM: LIGHT SELECTIVE GOLD/MATTE TIN TAIL (USE T-1S15-XX-LM)
 -FM: FLASH SELECTIVE GOLD/MATTE TIN TAIL (USE T-1S15-XX-FM)
 -STL: SELECTIVE GOLD CONTACT, TIN/LEAD TAIL (USE T-1S15-XX-STL)
 -FTL: FLASH SELECTIVE GOLD CONTACT, TIN/LEAD TAIL (USE T-1S15-XX-FTL)

PACKAGING
 BLANK: TUBES (SEE NOTE 13)
 -TR: TAPE & REEL (SEE NOTES 14 & 15)
 (NOT AVAILABE WITH -RA)
 -FR: FULL REEL QTY TAPE & REEL
 (SEE NOTES 15 & 14)
 (NOT AVAILABE WITH -RA)
 PICK AND PLACE OPTION
 -C: POLYIMIDE FILM (USE K-DOT-.177-.281-.005)
 (10 POSITION MIN) (SEE FIG 3, SHT 2)
 (NOT AVAILABE WITH -RA)

OPTION
 -SL: SOLDER LOCKS

ROW/TAIL SPECIFICATION
 -DH: DOUBLE HORIZONTAL
 (USE FSH-XX-D-ES-XX-XX)
 -RA: RIGHT ANGLE
 (USE FSH-XX-D-ES-XX-XX)

- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
 - COPLANARITY TO INCLUDE INSULATOR: .0060[.152].
 - MAXIMUM HEIGHT VARIATION BETWEEN ROWS: .005[.13].
 - MINIMUM PUSHOUT FORCE: 5 LB.
 - MAXIMUM BURR ALLOWED [SHEARED TAILS]: .002[.05].
 - MAXIMUM ALLOWABLE BOW: .002[.05] INCH/INCH AFTER ASSEMBLY.
 - ALL FIRST ROW PINS TO BE .001 BELOW TO .003 ABOVE BODY (SEE SHT 3).
 - MAX FLASH TO BE .015[.38].
 - END SHROUDS NOT TO BE CUT.
 - POSITIONS 13-28 (ONCE CUT) TO HAVE 1 TAB EVENLY SPACED BETWEEN THE FIRST AND LAST CORE. POSITIONS 29-46 TO HAVE TWO TABS EVENLY SPACED BETWEEN THE FIRST AND LAST CORES.
 - FOR POSITIONS 13-27, MIDDLE SHROUD WILL NOT BE CENTERED FOR ODD POSITION PARTS.
 - ALL SECOND ROW PINS TO BE .003 BELOW TO .003 ABOVE BODY (SEE SHT 4).
 - TUBES ARE STANDARD PACKAGING.
 - ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 - ATTACH LABEL ON EACH REEL.

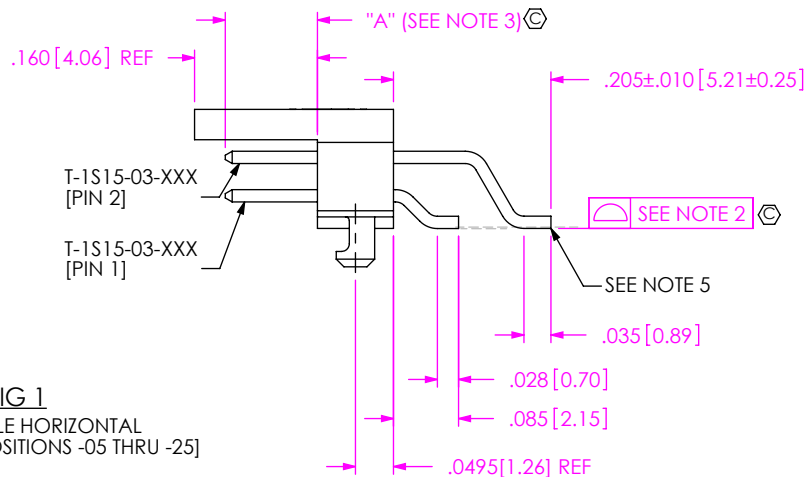


FIG 1
 -DH: DOUBLE HORIZONTAL
 [AVAILABLE IN POSITIONS -05 THRU -25]

PATENT NUMBERS
 6159045

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

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 e-Mail: info@SAMTEC.com code: 55322

MATERIAL: VECTRA E130I, COLOR: BLACK
 TERMINAL: PHOS BRONZE, THICKNESS: .0160 SQ

DO NOT SCALE DRAWING SHEET SCALE: 2.5:1

DESCRIPTION: .050 SHROUDED TERMINAL ASSEMBLY

DWG. NO. FSH-1XX-XX-XXX-XX-XX-X-XX

BY: DEANP 9/8/1999 SHEET 1 OF 4

FIG 2

-RA: RIGHT ANGLE
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
[AVAILABLE IN POSITIONS -05 THRU -46]

TABLE 2	
STYLE	"B"
-01	.120[3.05]
-02	.075[1.91]
-03	.065[1.65]
-04	.145[3.68]

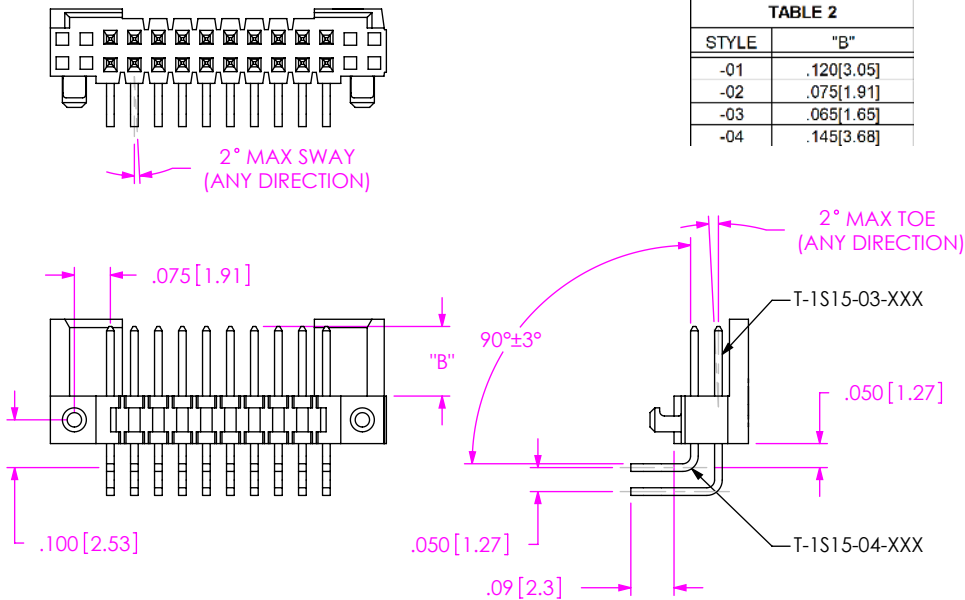
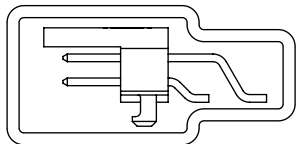
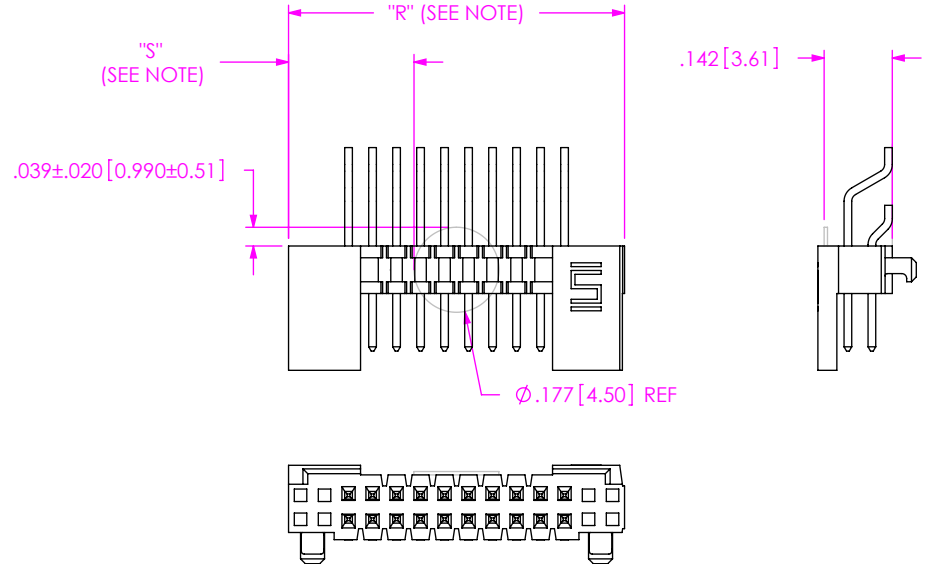


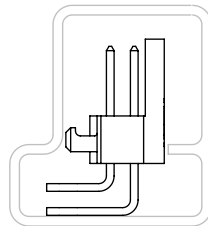
FIG 3

-C: POLYIMIDE FILM
NOTE: "R" = USE MEASURED DIMENSION (REF)
"S" = $\{("R" - .1772[4.501]) / 2\} \pm .020[.51]$



-DH
TUBE: PT-1-24-02-53
PLUG: TP-09

PACKAGING VIEW
TUBE ALL POSITIONS



-RA
TUBE: PT-1-24-01-45
PLUG: TP-07

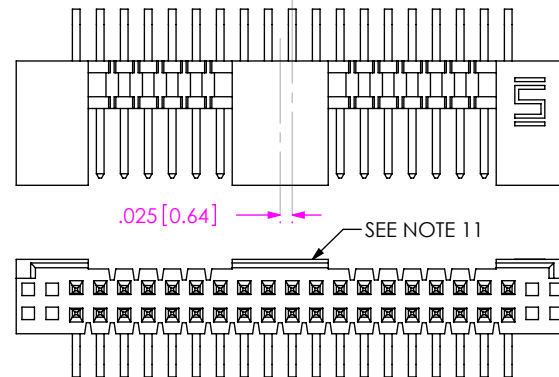


FIG 4
FSH-119-XX-XX-RA-XX
SHOWN

F:\DWG\MISC\MKTG\FSH-1XX-XX-XXX-XX-XX-X-XX-MKT.SLDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1



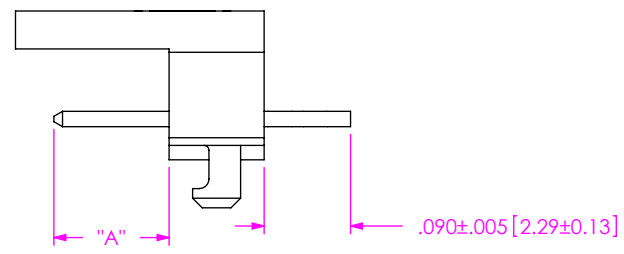
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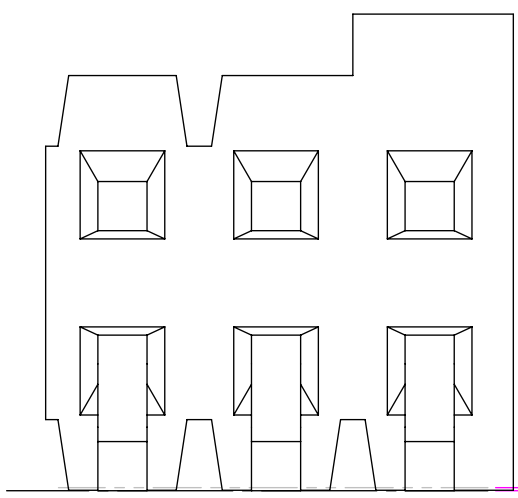
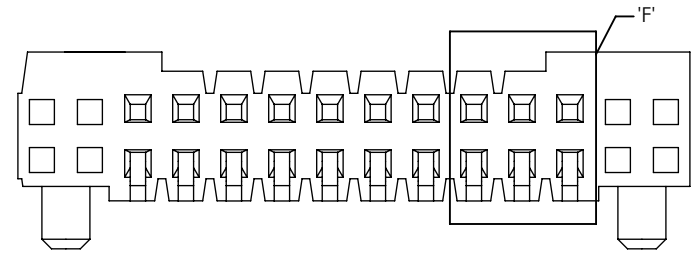
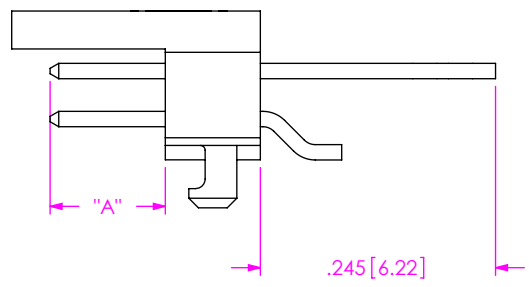
DWG. NO.
FSH-1XX-XX-XXX-XX-XX-X-XX

BY: DEANP 9/8/1999 SHEET 2 OF 4

IN-PROCESS 1



IN-PROCESS 2
(AFTER FIRST ROW FORMED)



$.001 \pm .002 [0.03 \pm 0.05]$
(SEE NOTE 7)

DETAIL 'F'
SCALE 16:1

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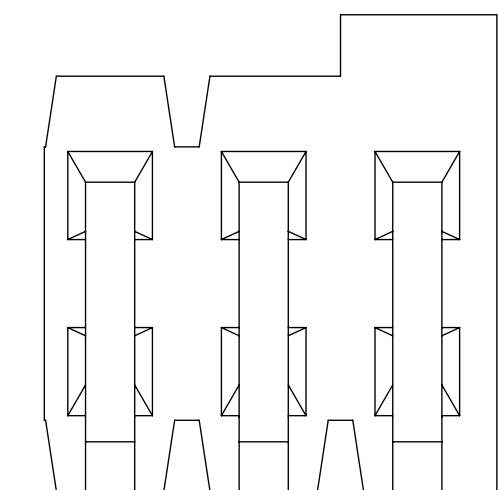
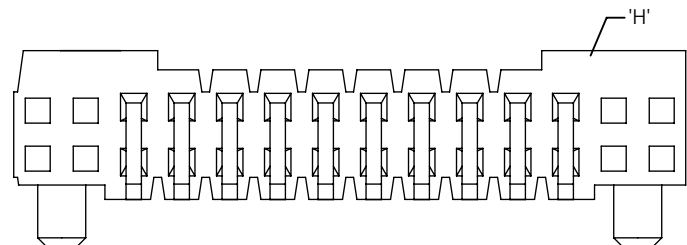
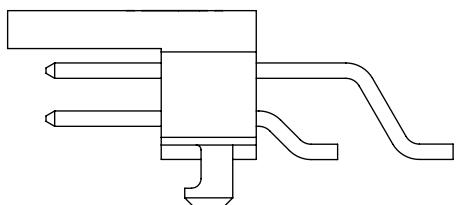
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SHEET SCALE: 2.5:1

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DWG. NO.
FSH-1XX-XX-XXX-XX-XX-X-XX

BY: DEANP 9/8/1999 SHEET 3 OF 4



$.000 \pm .003 [0.00 \pm 0.08]$
(SEE NOTE 12)

DETAIL 'H'
SCALE 16:1

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