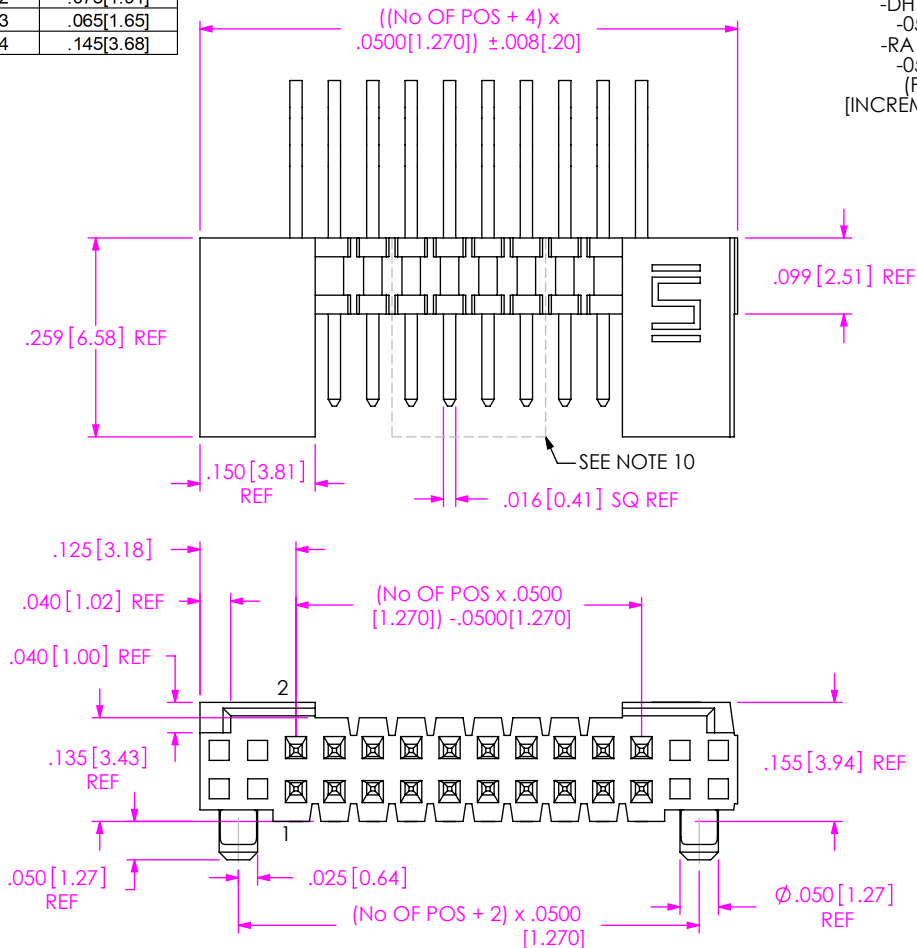


DO NOT  
SCALE FROM  
THIS PRINT

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



## NOTES:

1.  $\odot$  REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY TO INCLUDE INSULATOR: .0060[.152].
3. MAXIMUM HEIGHT VARIATION BETWEEN ROWS: .005[.13].
4. MINIMUM PUSHOUT FORCE: .5 LB.
5. MAXIMUM BURR ALLOWED [SHEARED TAILS]: .002[.05].
6. MAXIMUM ALLOWABLE BOW: .002[.05] INCH/INCH AFTER ASSEMBLY.
7. ALL FIRST ROW PINS TO BE .001 BELOW TO .003 ABOVE BODY (SEE SHT 3).
8. MAX FLASH TO BE .015[.38].
9. END SHROUDS NOT TO BE CUT.
10. 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.
11. FOR POSITIONS 13-27, MIDDLE SHROUD WILL NOT BE CENTERED FOR ODD POSITION PARTS.
12. ALL SECOND ROW PINS TO BE .003 BELOW TO .003 ABOVE BODY (SEE SHT 4).
13. TUBES ARE STANDARD PACKAGING.
14. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
15. ATTACH LABEL ON EACH REEL.

PATENT NUMBERS  
6159045

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

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

## 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-L)  
-FM: FLASH SELECTIVE GOLD/MATTE TIN TAIL (USE T-1S15-XX-F)  
-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)

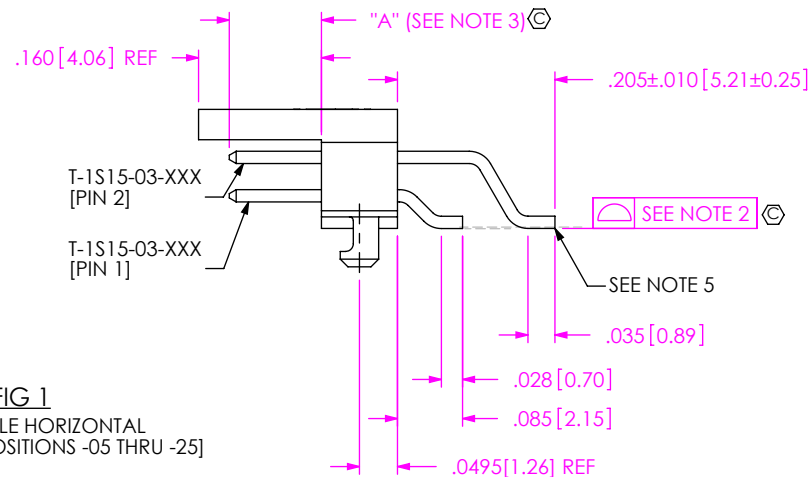


FIG 1

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

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

.XX:  $\pm .01[.3]$

.XXX:  $\pm .005[.13]$

.XXXX:  $\pm .0020[.051]$

ANGLES

2°

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## MATERIAL:

VECTRA E130I, COLOR: BLACK

TERMINAL: PHOS BRONZE, THICKNESS: .0160 SQ

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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

**samtec**

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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] |

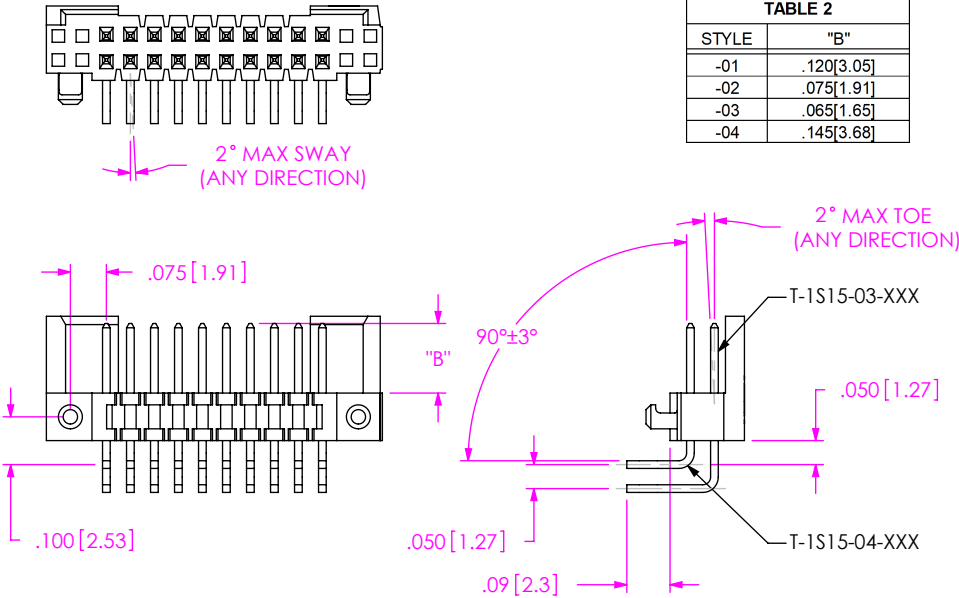
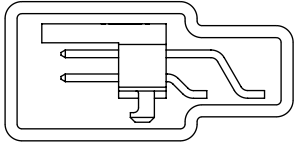
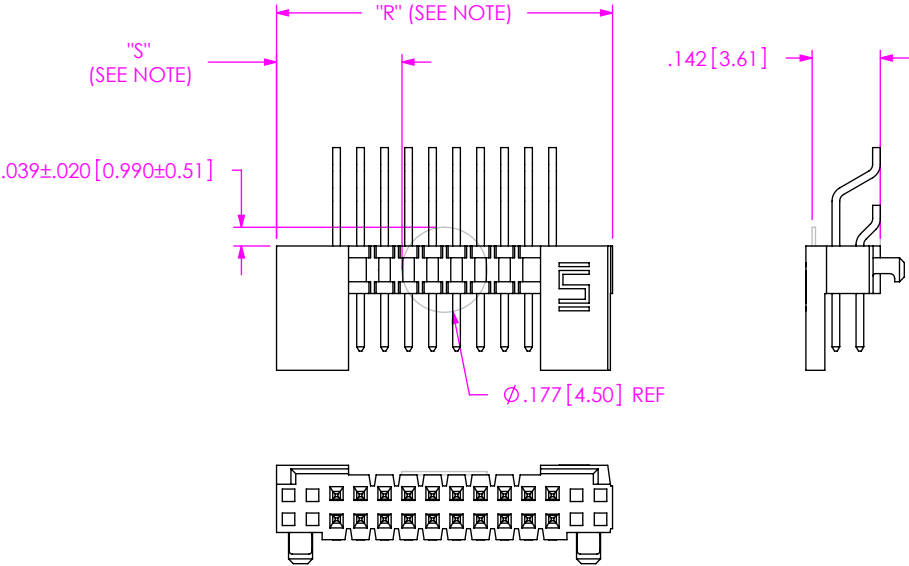


FIG 3

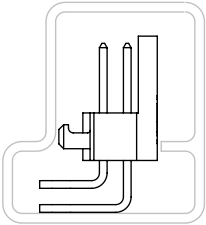
-C: POLYIMIDE FILM

NOTE: "R" = USE MEASURED DIMENSION (REF)  
"S" = {("R" - .1772[4.501]) / 2} ±.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

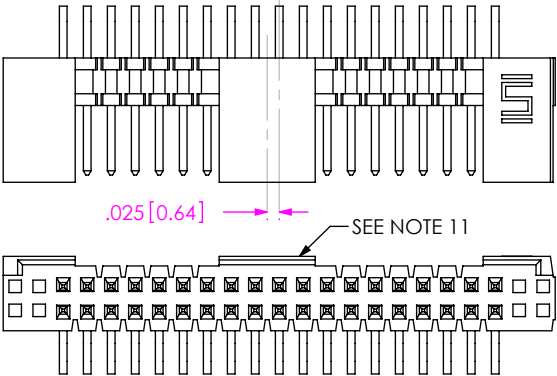


FIG 4  
FSH-119-XX-XX-RA-XX  
SHOWN

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

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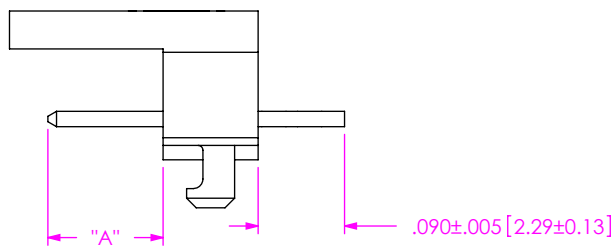
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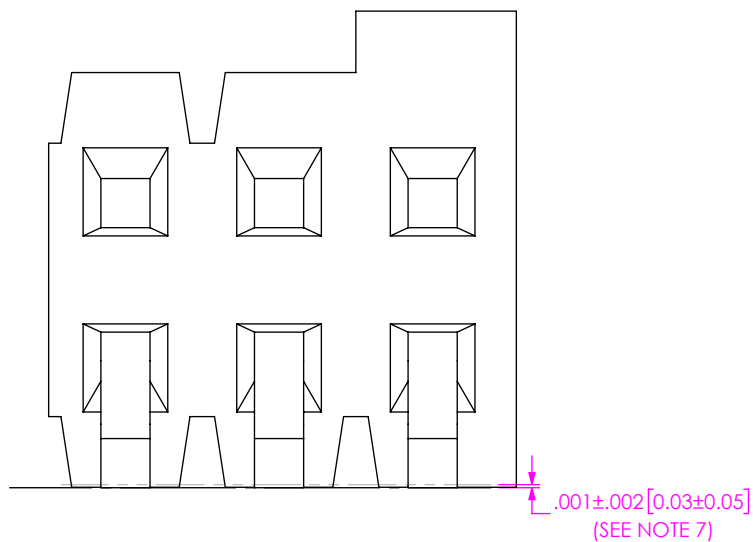
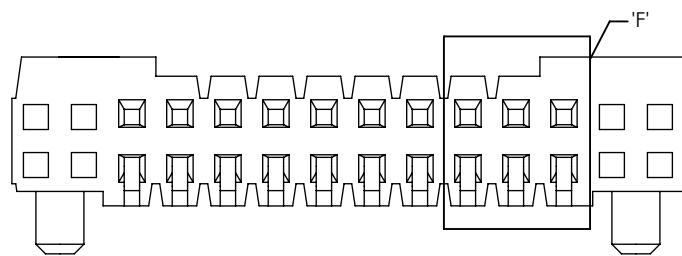
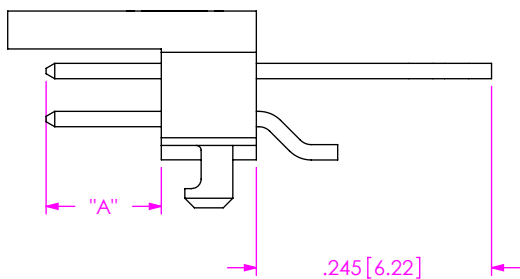
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BY: DEANP 9/8/1999 SHEET 2 OF 4

IN-PROCESS 1



IN-PROCESS 2  
(AFTER FIRST ROW FORMED)



DETAIL 'F'  
SCALE 16 : 1

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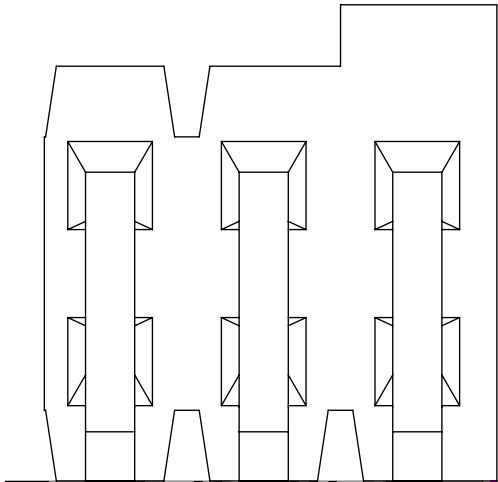
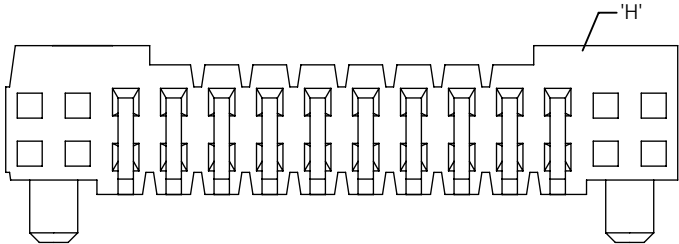
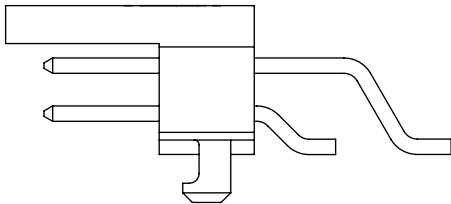
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BY: DEANP 9/8/1999 SHEET 3 OF 4



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

DETAIL 'H'  
SCALE 16 : 1

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SHEET SCALE: 2.5:1

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