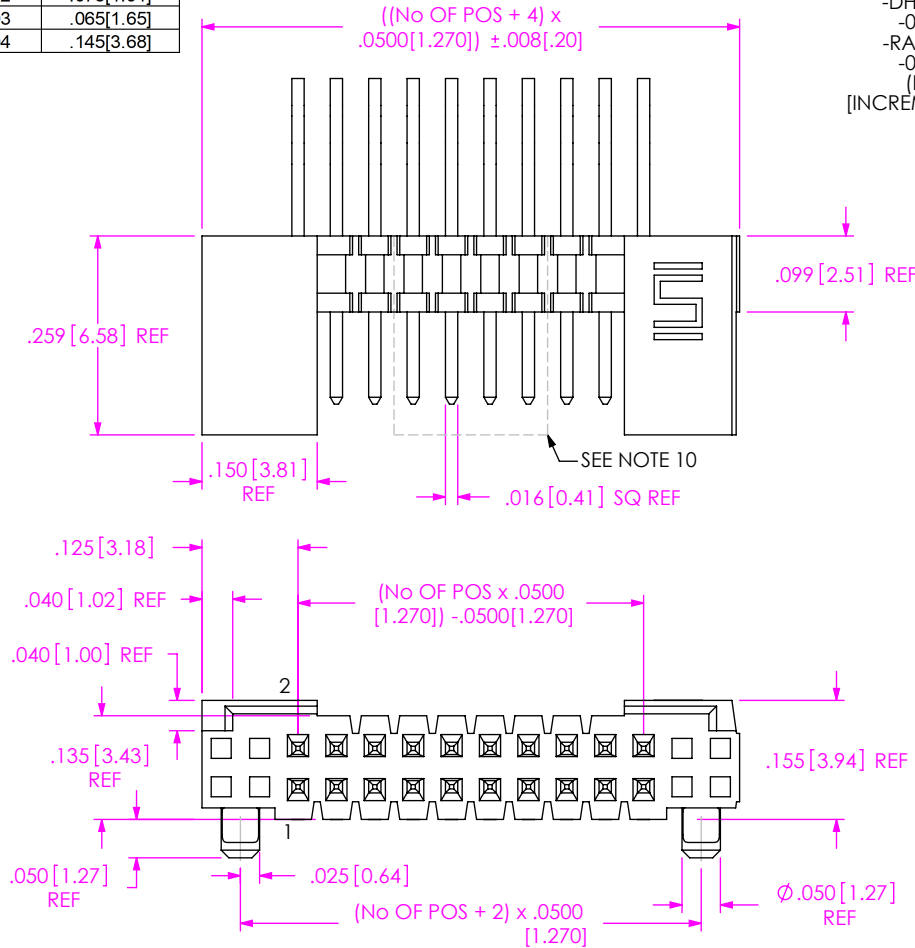


| STYLE | "A"        |
|-------|------------|
| -01   | .120[3.05] |
| -02   | .075[1.91] |
| -03   | .065[1.65] |
| -04   | .145[3.68] |



1.  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](http://WWW.SAMTEC.COM).
15. ATTACH LABEL ON EACH REEL.

PATENT NUMBERS  
6159045

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

-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)  
**PACK AND PLACE OPTION**  
 : POLYIMIDE FILM (USE K-DOT-.177-.281-.005)  
 (10 POSITION MIN) (SEE FIG 3, SHT 2)  
 (NOT AVAILABLE WITH -RA)

OPTION (NOT AVAILABLE)  
-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)

-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)  
 -TL: SELECTIVE GOLD CONTACT, TIN/LEAD TAIL (USE T-1S15-XX-STL)  
 -FTL: FLASH SELECTIVE GOLD CONTACT, TIN/LEAD TAIL (USE T-1S15-XX-FTL)

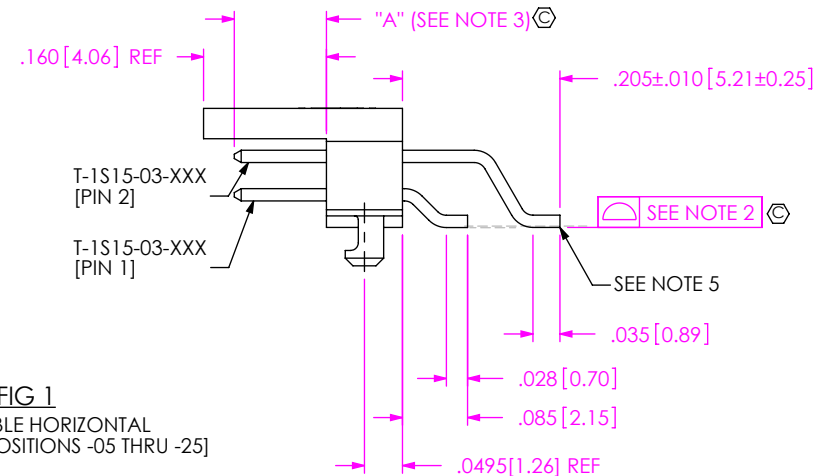


FIG 1  
-DH: DOUBLE HORIZONTAL  
[AVAILABLE IN POSITIONS -05 THRU -25]

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:

| DECIMALS                  | ANGLES |
|---------------------------|--------|
| .XX: $\pm .01$ [.3]       | 2°     |
| .XXX: $\pm .005$ [.13]    |        |
| .XXXX: $\pm .0020$ [.051] |        |

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e-Mail: [info@SAMTEC.com](mailto:info@SAMTEC.com) code: 55322

DO NOT SCALE DRAWING

**MATERIAL:**  
VECTRA E130i, COLOR: BLACK  
TERMINAL: PHOS BRONZE, THICKNESS: .0160 SQ

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

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] |

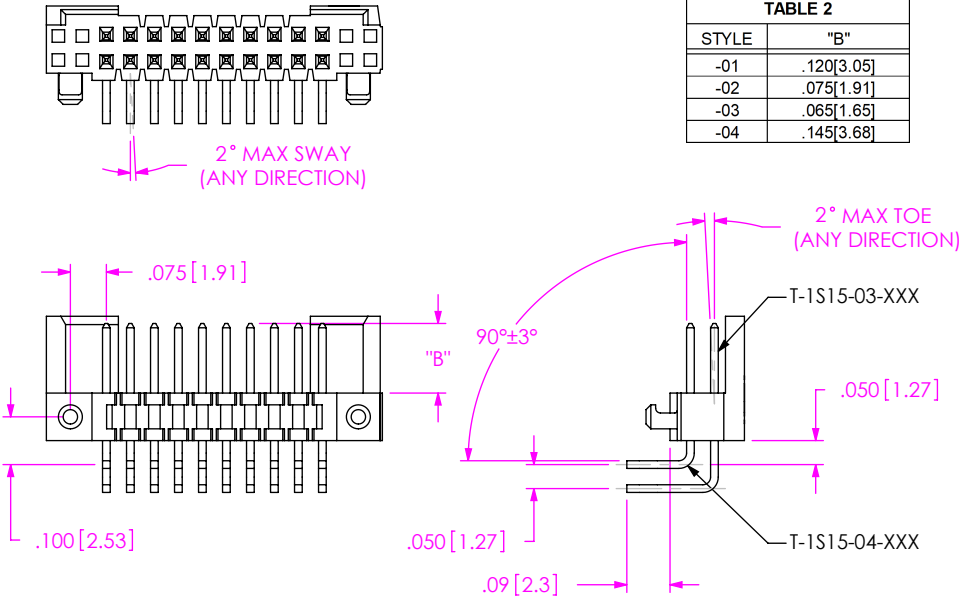
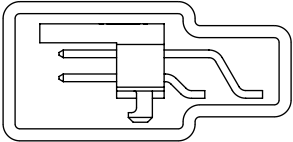
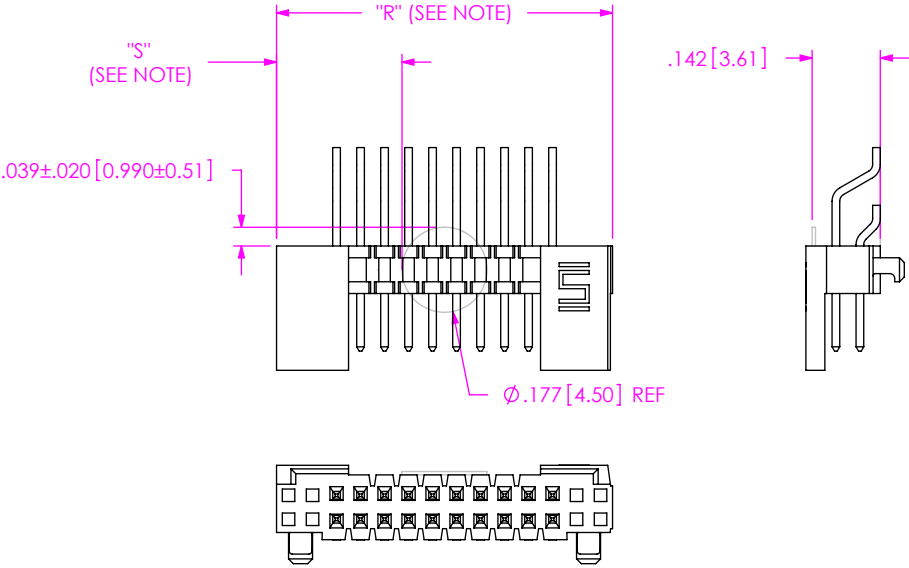


FIG 3

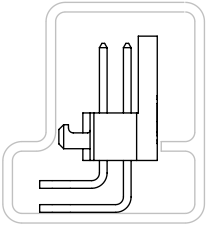
-C: POLYIMIDE FILM

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

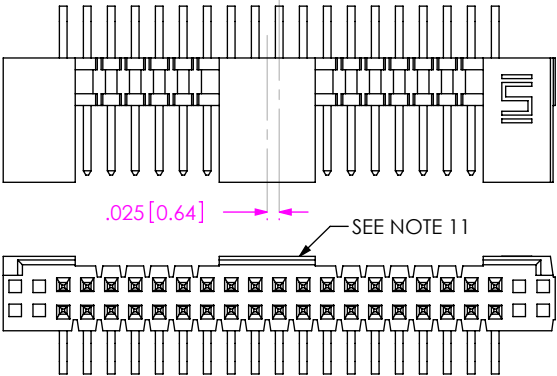


FIG 4  
FSH-119-XX-XX-RA-XX  
SHOWN

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

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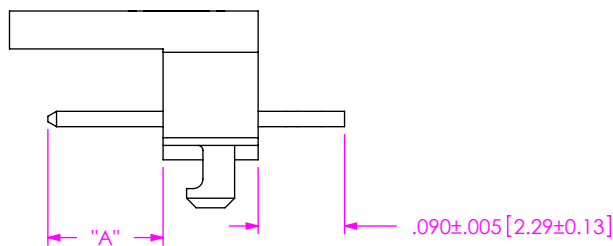
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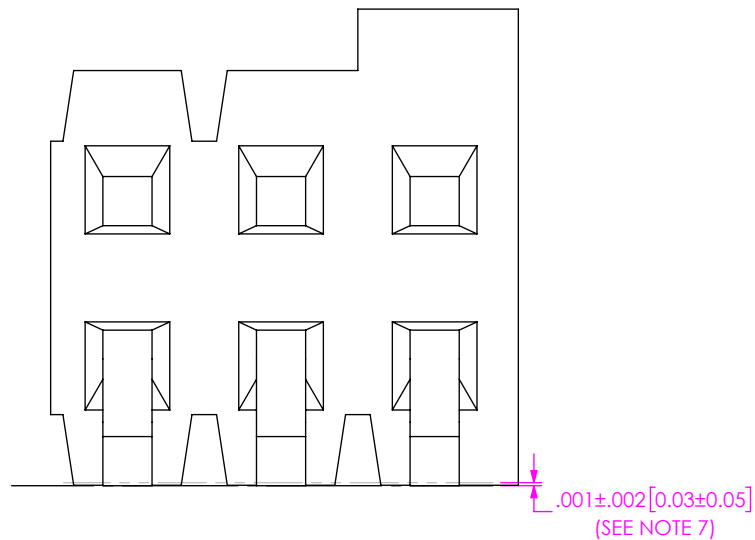
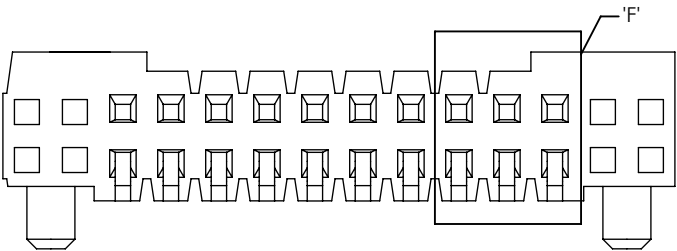
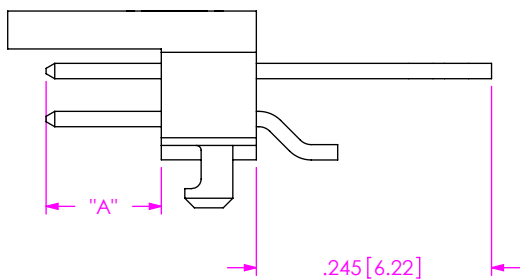
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IN-PROCESS 1



IN-PROCESS 2  
(AFTER FIRST ROW FORMED)



DETAIL 'F'  
SCALE 16 : 1

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SHEET SCALE: 2.5:1

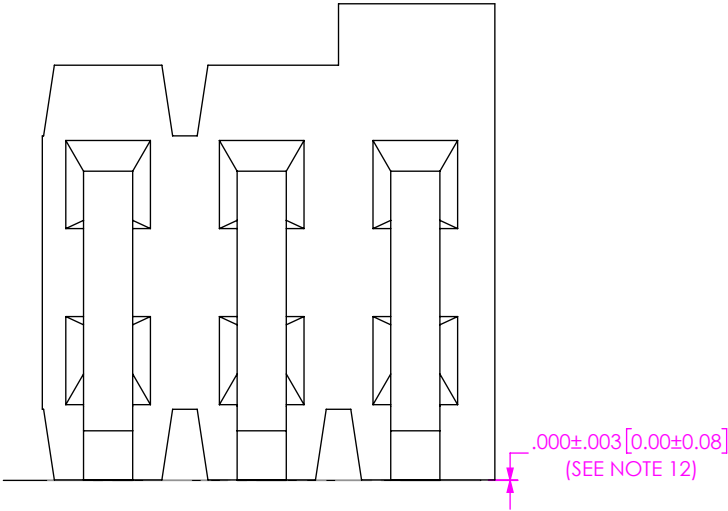
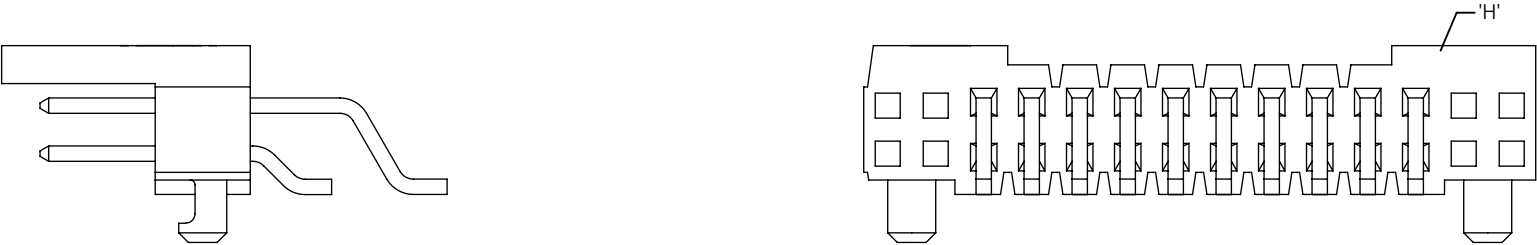


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DETAIL 'H'  
SCALE 16 : 1

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