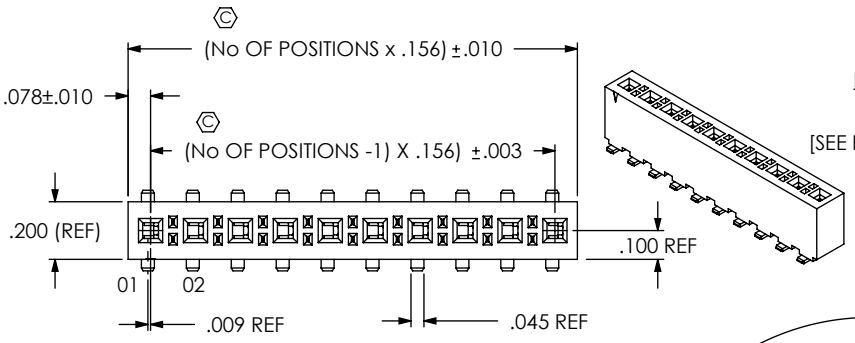
REVISION AJ

DO NOT SCALE FROM THIS PRINT




FHP-XX-XX-XX-S-XX-XX-XX

No OF POSITIONS
-02 THRU -24
(PER ROW)
[SEE POSITIONAL FILL VIEW]

LEAD STYLE
-01: THROUGH HOLE
(USE C-130-03-X)
-02: SURFACE MOUNT
(USE C-130-04-X)

*POLARIZATION
-02 THRU -06, -08, -10, -12, -13 & -14
(SEE TABLE 1 FOR AVAILABLE COMBINATIONS)
(SEE SHT 3, IN-PROCESS 1 POLARIZED FILL)
(SEE NOTE 12)

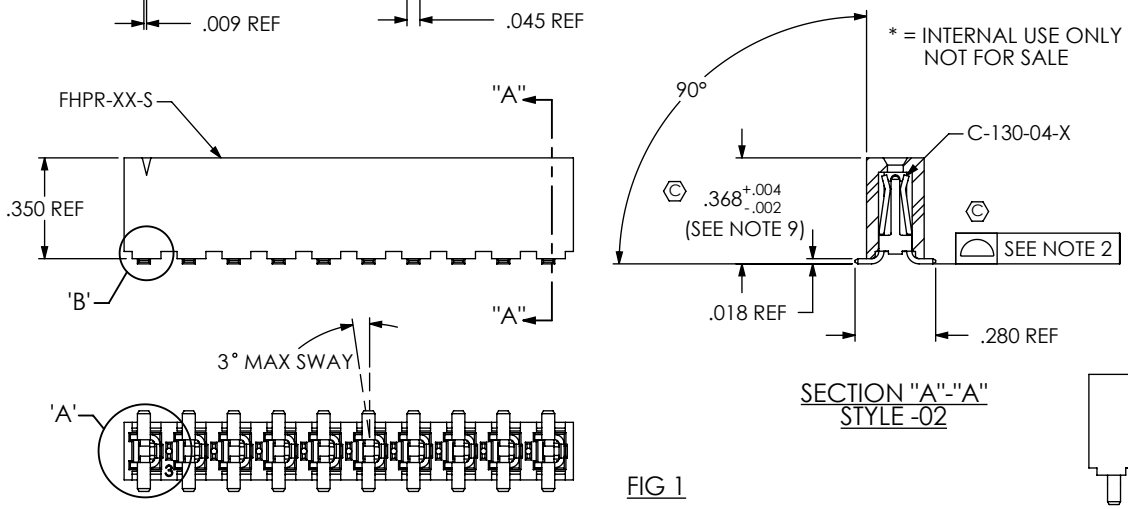
OPTION
-TR: TAPE & REEL PACKAGING
(T&R AVAILABLE FOR 2 THRU 18 POS)
(SEE NOTES 6 & 10)

OPTION
-LC: LOCKING CLIP (USE LC-05-TM)
(-02 LEAD STYLE ONLY, SEE NOTE 11)
-A: ALIGNMENT PIN (USE FHPR-XX-S-A)
(SEE FIG 2)(-02 LEAD STYLE ONLY)
-K: POLYIMIDE FILM PAD
(SEE FIG 3, SHT. 2)(USE K-DOT-.256-.375-.005)
(-02 LEAD STYLE ONLY)
( AVAILABLE ON POSITIONS 2-24,
2-4 POSITIONS MUST BE IN -TR)

ROW SPECIFICATION
-S: SINGLE (USE FHPR-XX-S)

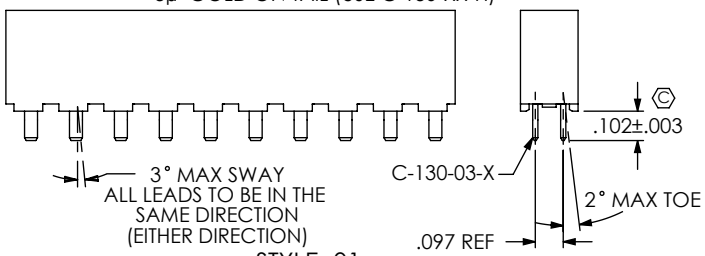
PLATING SPECIFICATION
-T: MATTE TIN CONTACT AND TAIL (USE C-130-XX-T)
-TM: MATTE TIN CONTACT AND TAIL (USE C-130-XX-T)
-H: 30µ" GOLD IN CONTACT AREA,
3µ" GOLD ON TAIL (USE C-130-XX-H)

* = INTERNAL USE ONLY
NOT FOR SALE




SECTION "A"-"A"
STYLE -02

FIG 1
[FHP-10-02-X-S SHOWN]




STYLE -01

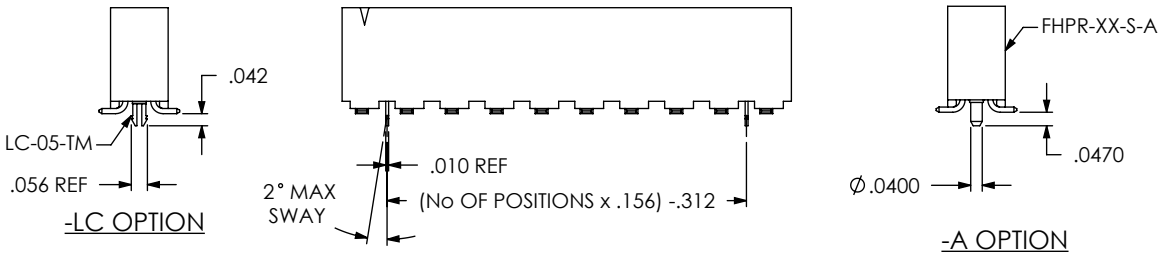



FIG 2
-LC & -A OPTIONS
[-LC & -A OPTIONS ONLY AVAILABLE ON -02 LEAD STYLE]
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

**TABLE 1**

| FINISHED GOODS | SUB ASSEMBLY |
|---|---|
| FHP-02-02-T-S-XX | FHP-24-02-T-S-02 |
| FHP-02-01-T-S-XX | FHP-24-01-T-S-02 |
| FHP-03-02-T-S-XX | FHP-24-02-T-S-03 |
| FHP-04-01-T-S-XX | FHP-24-01-T-S-04 |
| FHP-04-02-T-S-XX | FHP-24-02-T-S-04 |
| FHP-05-02-T-S-XX | FHP-24-02-T-S-05 |
| FHP-06-01-TM-S-XX / T-S-XX | FHP-24-01-T-S-06 |
| FHP-08-01-T-S-XX | FHP-24-01-T-S-08 |
| FHP-10-02-T-S-XX / TM-S-XX | FHP-24-02-T-S-10 |
| FHP-12-02-T-S-XX | FHP-24-02-T-S-12 |
| FHP-13-01-T-S-XX | FHP-24-01-T-S-13 |
| FHP-14-01-T-S-XX | FHP-24-01-T-S-14 |
| ALL REMAINING CONFIGURATIONS | FHP-24-XX-X-S |

NOTES:

1. REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY TO BE WITHIN .006".
3. BURR ALLOWANCE: .0015 MAX.
4. MAXIMUM CUT FLASH: .020.
5. MINIMUM PUSHOUT FORCE: 1.0 LB.
6. LAYER PACKAGE STYLE -01 & -02, POSITIONS 02 - 04 WITH NO OPTIONS ONLY.
7. OPEN PART OF CONTACT FILLED TOWARDS #1 PIN INDICATOR
8. MINIMUM WALL THICKNESS TO BE .010".
9. MEASURED @ BEND.
10. TUBE PACKAGING AVAILABLE FOR 5 THRU 24 POSITIONS.
11. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE –LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDSMANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE –LC OPTION.
12. POLARIZATION NUMBER INDICATES THE AMOUNT OF LIVE CONTACTS IN THE CONNECTOR.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS: .XX: ±.01, .XXX: ±.005, .XXXX: ±.0020
ANGLES: 2°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e-Mail: info@SAMTEC.com code: 55322


MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.5:1
MATERIAL: VECTRA E130i
COLOR: BLACK
CONTACT: BeCu, 174HT

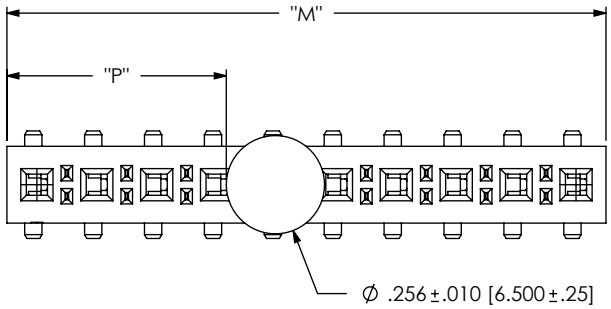
F:\DWG\MISC\MKTG\FHP-XX-XX-XX-S-XX-XX-XX-MKT.SLDDRW

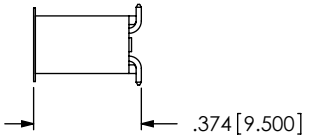
DESCRIPTION: .156 HI POWER SOCKET ASSEMBLY

DWG. NO. FHP-XX-XX-XX-S-XX-XX-XX

BY: BRATCHER 03/01/99 SHEET 1 OF 3

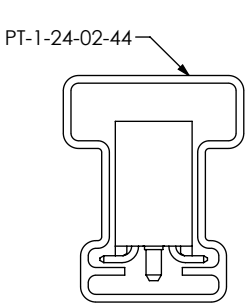
REVISION AJ



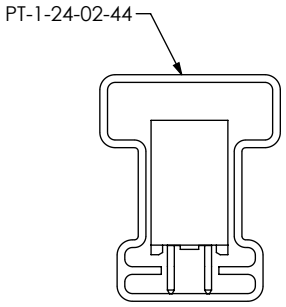




NOTE: "M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .256 [6.50]) / 2} ±.020 [.51]

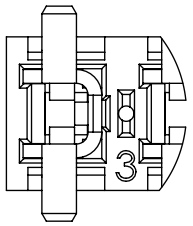
FIG 3
-K: POLYIMIDE FILM PAD OPTION
(SHOWN: FHP-10-02-X-S-K)




STYLE -02
(WITH ALIGNMENT PIN)

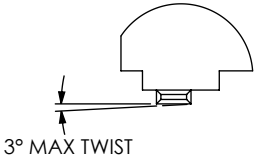



STYLE -01




DETAIL 'A'
SCALE 4 : 1

(SHOWN FOR
CONTACT ORIENTATION)




DETAIL 'B'
SCALE 4 : 1

(TUBE PACKAGING AVAILABLE FOR 5 THRU 24 POS)
(TUBE PACKAGE THE PARTS WITH #1 PIN TOWARDS ARROW)

| PACKAGING TABLE | | | |
|---|---|---|---|
| LEAD STYLE | OPTIONS | PACKAGING TUBE | PLUG |
| -01 | ALL OPTIONS | PT-1-24-02-44 | TP-03 |
| -02 | ALL OPTIONS | PT-1-24-02-44 | TP-03 |

F:\DWG\MISC\MKTG\FHP-XX-XX-XX-S-XX-XX-XX-MKT.SLDDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 1:0.666667

DESCRIPTION: .156 HI POWER SOCKET ASSEMBLY

DWG. NO. FHP-XX-XX-XX-S-XX-XX-XX

BY: BRATCHER 03/01/99 SHEET 2 OF 3

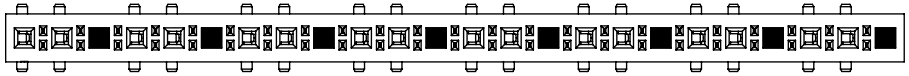
REVISION AJ

## POLARIZED OPTION

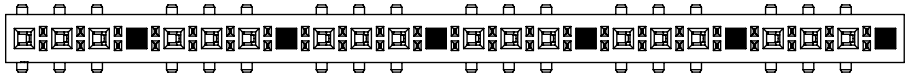
■ = DENOTES EMPTY POSITION

IN-PROCESS 1
FILL C-130-XX-X

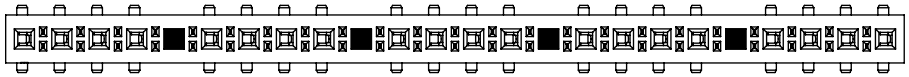
**-02 POLARIZATION**
(8 FINISHED GOODS)
FHP-24-02-XX-S-02 SHOWN



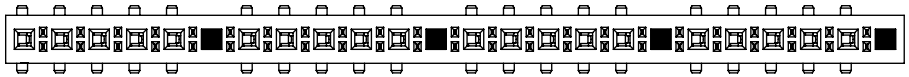
**-03 POLARIZATION**
(6 FINISHED GOODS)
FHP-24-02-XX-S-03 SHOWN



**-04 POLARIZATION**
(5 FINISHED GOODS)
FHP-24-02-XX-S-04 SHOWN

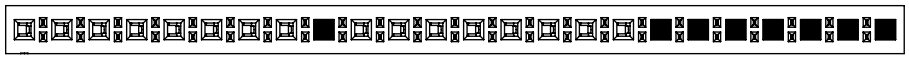


**-05 POLARIZATION**
(4 FINISHED GOODS)
FHP-24-02-XX-S-05 SHOWN

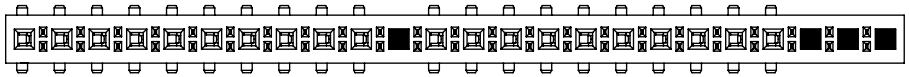


**-06 POLARIZATION**
(3 FINISHED GOODS)
FHP-24-01-XX-S-06 SHOWN

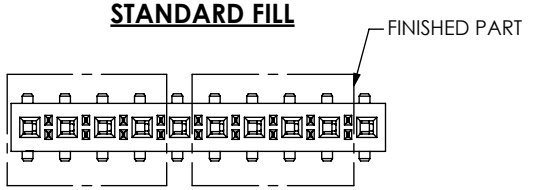
**-08 POLARIZATION**
(2 FINISHED GOODS)
FHP-24-01-XX-S-08 SHOWN



**-10 POLARIZATION**
(2 FINISHED GOODS)
FHP-24-02-XX-S-10 SHOWN

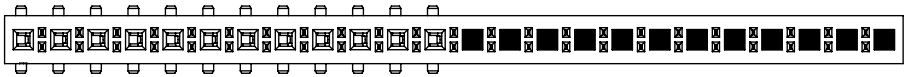


## STANDARD FILL

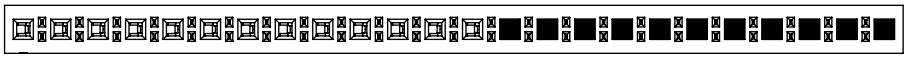



4 POSITION SHOWN
[PRIOR TO CUT-TO-POSITION OPERATION]

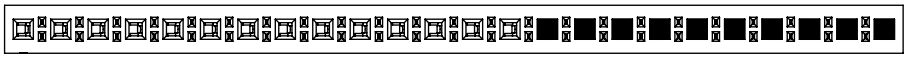
**-12 POLARIZATION**
(1 FINISHED GOODS)
FHP-24-02-XX-S-12 SHOWN



**-13 POLARIZATION**
(1 FINISHED GOODS)
FHP-24-01-XX-S-13 SHOWN



**-14 POLARIZATION**
(1 FINISHED GOODS)
FHP-24-01-XX-S-14 SHOWN



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DO NOT SCALE DRAWING

SHEET SCALE: 1.25:1

DESCRIPTION:
.156 HI POWER SOCKET ASSEMBLY

DWG. NO.
FHP-XX-XX-XX-S-XX-XX-XX

BY: BRATCHER 03/01/99 SHEET 3 OF 3