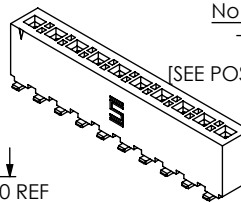
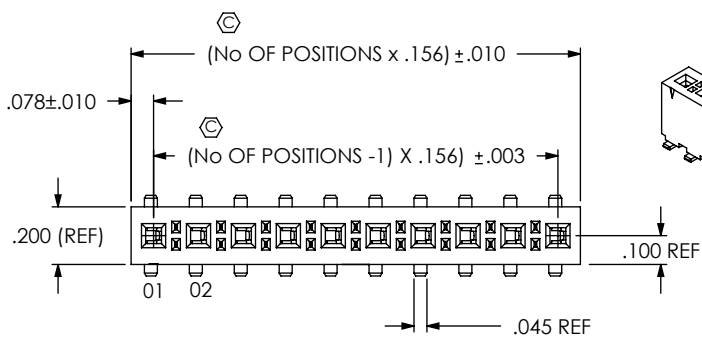




**THE DATASHEET OF
HP1601**



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-130-01-X)
-02: SURFACE MOUNT
(USE C-130-02-X)

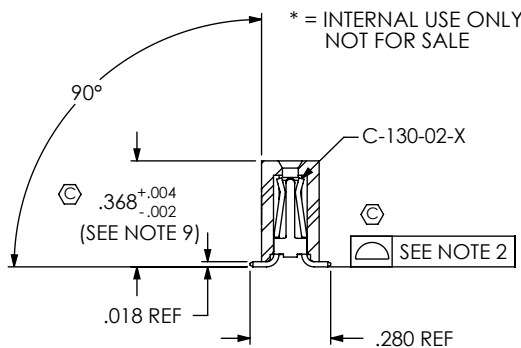
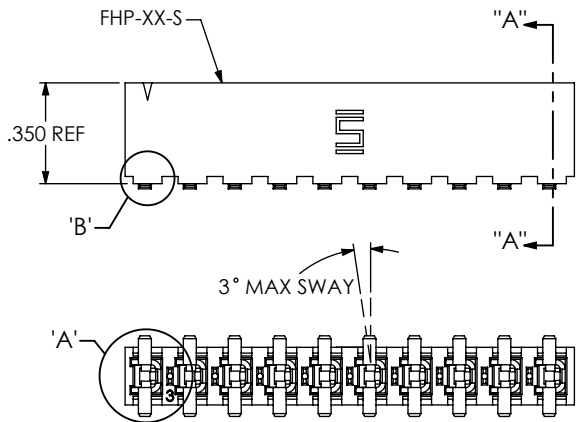
*POLARIZATION
-02 THRU -06, -08, -10, -12, -13 & -14
(SEE TABLE 1 FOR AVAILABLE COMBINATIONS)
(SEE SHT 3, IN-PROCESS 1 POLARIZED FILL)
(SEE NOTE 12)

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 FHP-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)

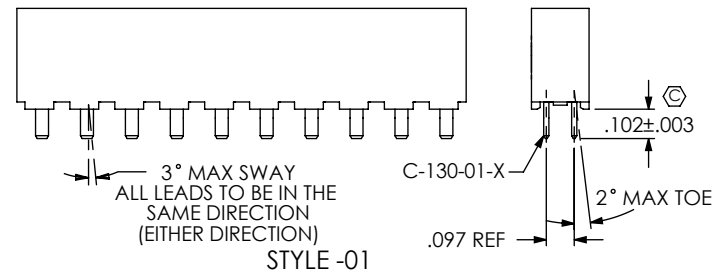
ROW SPECIFICATION
-S: SINGLE (USE FHP-XX-S)

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



SECTION "A"-"A"
STYLE -02

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



STYLE -01

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 RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
12. POLARIZATION NUMBER INDICATES THE AMOUNT OF LIVE CONTACTS IN THE CONNECTOR.

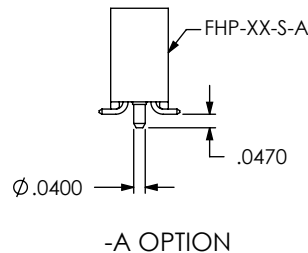
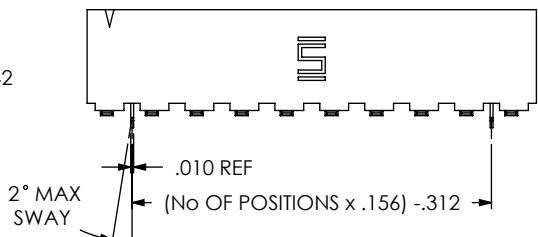
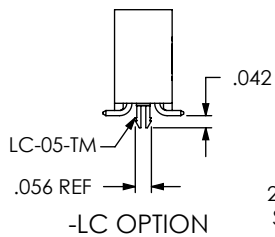


FIG 2

-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

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

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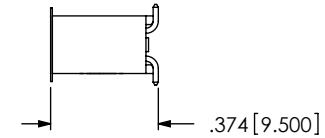
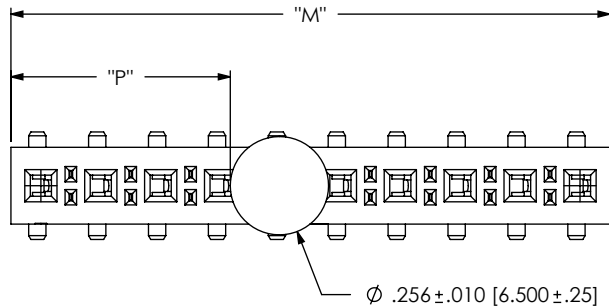
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

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

DESCRIPTION:
.156 HI POWER SOCKET ASSEMBLY

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

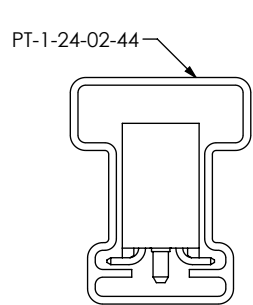
BY: BRATCHER 03/01/99 SHEET 1 OF 3



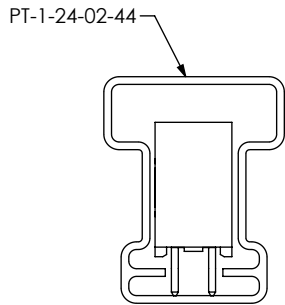
NOTE: "M" = USED MEASURED DIMENSION (REF)
 "P" = $\{("M" - .256 [6.50]) / 2\} \pm .020 [5.1]$

FIG 3

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



STYLE -02
 (WITH ALIGNMENT PIN)

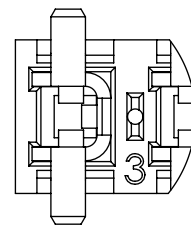


STYLE -01

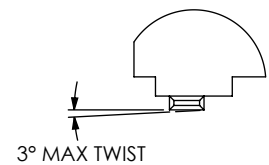
(TUBE PACKAGING AVAILABLE FOR 5 THRU 24 POS)
 (TUBE PACKAGE THE PARTS WITH #1 PIN TOWARDS ARROW)

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



DETAIL 'A'
 SCALE 4:1
 (SHOWN FOR CONTACT ORIENTATION)



DETAIL 'B'
 SCALE 4:1

F:\dwwg\sw\exisprod\assembly\156\FHP-XX-XX-XX-S-XX-XX-ASM.slddrw

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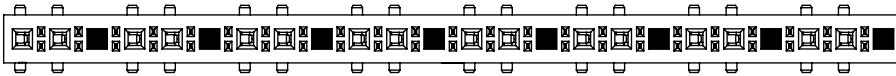
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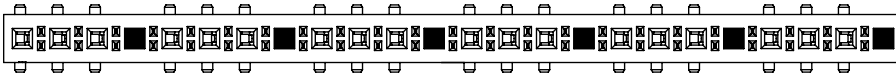
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 PHONE: 812-944-6733 FAX: 812-948-5047
 e-Mail: info@SAMTEC.com code: 55322

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

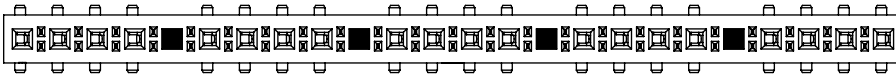
-02 POLARIZATION
 (8 FINISHED GOODS)
 FHP-24-02-XX-S-02 SHOWN



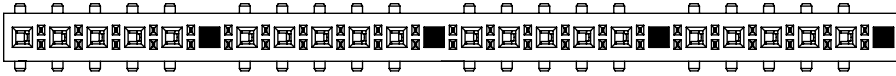
-03 POLARIZATION
 (6 FINISHED GOODS)
 FHP-24-02-XX-S-03 SHOWN



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



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



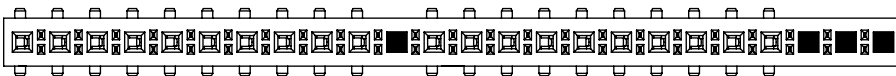
-06 POLARIZATION
 (3 FINISHED GOODS)
 FHP-24-01-XX-S-06 SHOWN



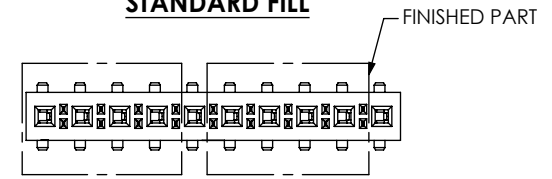
-08 POLARIZATION
 (2 FINISHED GOODS)
 FHP-24-01-XX-S-08 SHOWN



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

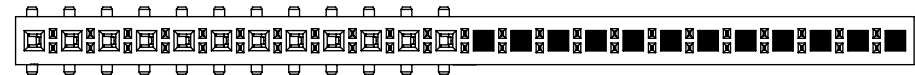


STANDARD FILL

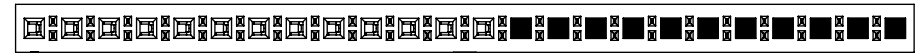


4 POSITION SHOWN
 [PRIOR TO CUT-TO-POSITION OPERATION]

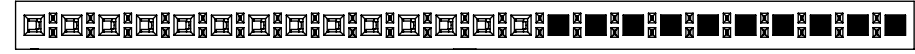
-12 POLARIZATION
 (1 FINISHED GOODS)
 FHP-24-02-XX-S-12 SHOWN



-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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