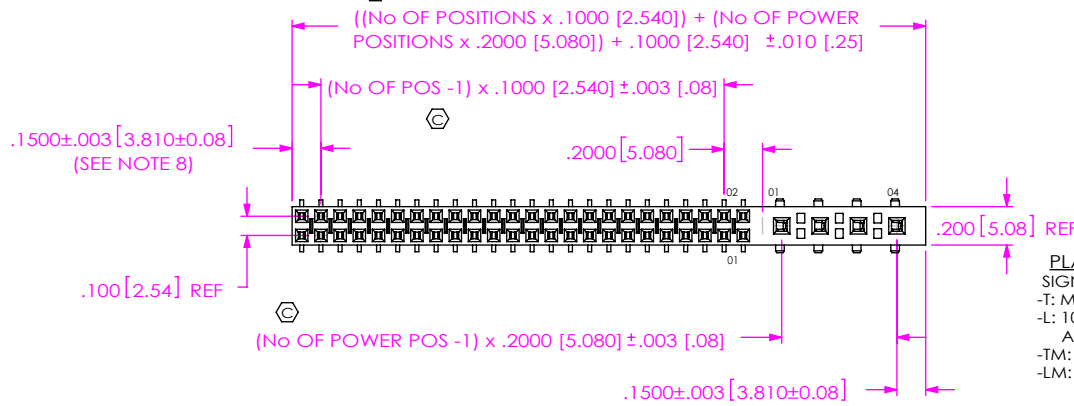


DO NOT SCALE FROM THIS PRINT

HPFC-1XX-XX-XX-D-XX-XX



No OF POSITIONS

-02 THRU -24 (PER ROW)

LEAD STYLE

-01: THROUGH HOLE (C-95-01-X & C-130-03-X)  
 -02: SURFACE MOUNT (C-95-02-X & C-130-04-X)

OPTION

-LC: LOCKING CLIP (SEE NOTE 9 & 10)  
 \* -A: ALIGNMENT PIN (USE HPFCR-XX-D-X-A)  
 -K: KAPTON PAD (SHEET 2) (USE K-500-300)

POWER POSITIONS

-02 THRU -04 (USE C-130-03-X AND C-130-04-X)

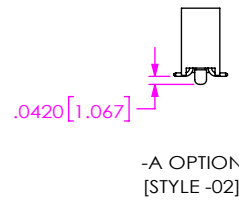
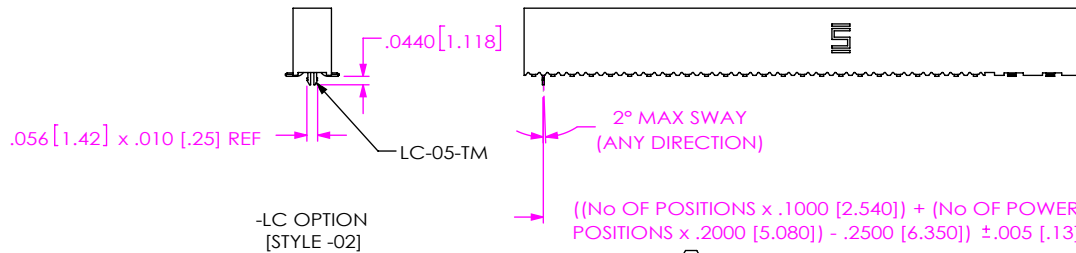
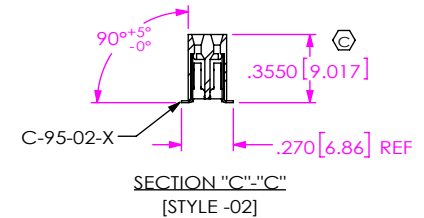
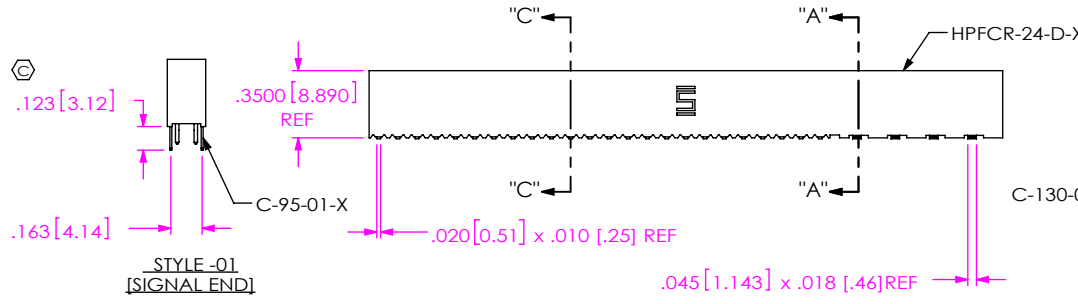
PLATING SPECIFICATION

SIGNAL ONLY  
 -T: MATTE TIN ON CONTACT AND TAIL  
 -L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
 -TM: MATTE TIN CONTACT AND TAIL  
 -LM: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

ROW SPECIFICATION

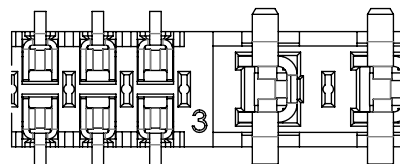
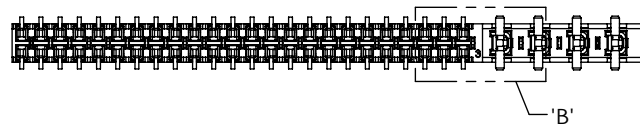
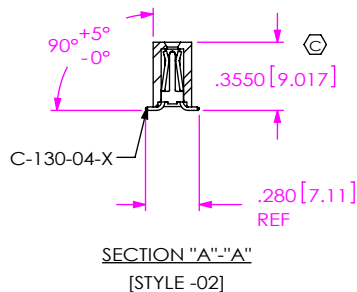
-D: DOUBLE (USE HPFCR-24-D-X-X)

\* = NOT ENGINEERING APPROVED



NOTES:

1.  $\text{⊕}$  REPRESENTS A CRITICAL DIMENSION.
2. COPLANARITY TO BE WITHIN .006" [.15] FOR 20 POSITION AND BELOW (SIGNAL) AND .008" [.20] FOR 21 -32 POS. (SIGNAL).
3. BURR ALLOWANCE: .003 [.08] MAX.
4. MAXIMUM CUT FLASH: .020 [.51].
5. MINIMUM PUSHOUT FORCE: 1 LB. MIN ON SIGNAL POSITIONS, 2 LB. MIN ON POWER POSITIONS.
6. MAXIMUM ALLOWABLE BOW: .005 INCH/INCH [MM/MM] AFTER ASSEMBLY.
7. OPEN PART OF POWER CONTACT FILLED TOWARDS SIGNAL CONTACTS.
8. MINIMUM WALL THICKNESS TO BE .010 [.25].
9. -LC OPTION NOT AVAILABLE WITH -01 LEAD STYLE.
10. 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.



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 .XX: ±.01 [.3] 2°  
 .XXX: ±.005 [.13]  
 .XXXX: ±.0020 [.051]

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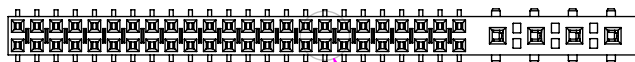


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code: 55322

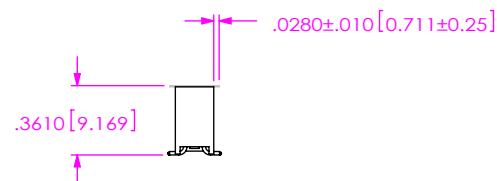
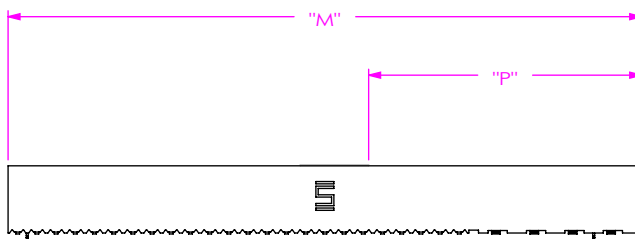
MATERIAL: DO NOT SCALE DRAWING  
 INSULATOR: VECTRA E130i COLOR: BLACK  
 POWER CONTACT: BeCu 174HT  
 SIGNAL CONTACT: PHOS BRONZE CDA510

SHEET SCALE: 1:1

DESCRIPTION:  
 .200 [5.08] POWER COMBO SOCKET ASSEMBLY  
 DWG. NO. HPFC-1XX-XX-XX-D-XX-XX



$\phi .256 [6.50]$



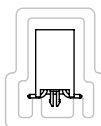
-K OPTION  
(SHOWN: HPFC-122-02-X-D-4-K)

NOTE: "M" = TOTAL PART LENGTH (REF)  
"P" =  $\{("M" - .256 [6.50]) / 2\} \pm .020 [.51]$



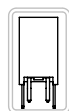
01

TUBE: PT-1-24-01-69  
PLUG: TP-07



01

TUBE: PT-1-24-08-15  
PLUG: TP-03



PACKAGING VIEW

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

DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:  
.200 [5.08] POWER COMBO SOCKET ASSEMBLY

DWG. NO.

HPFC-1XX-XX-XX-D-XX-XX

BY: DEAN P 01/06/1999 SHEET 2 OF 2