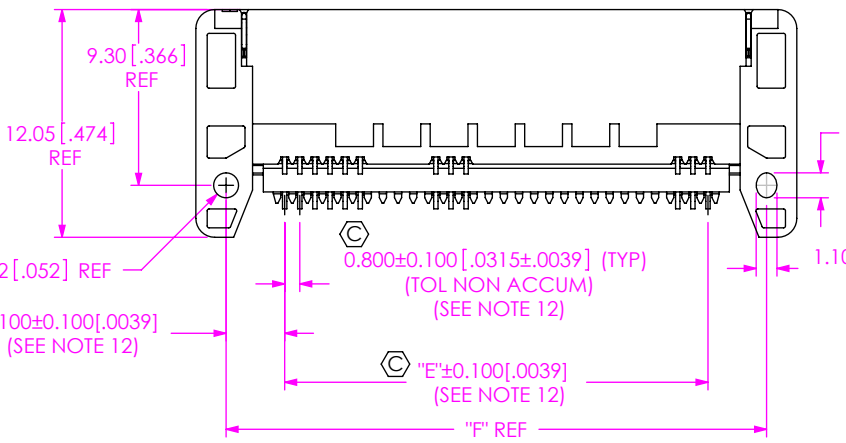
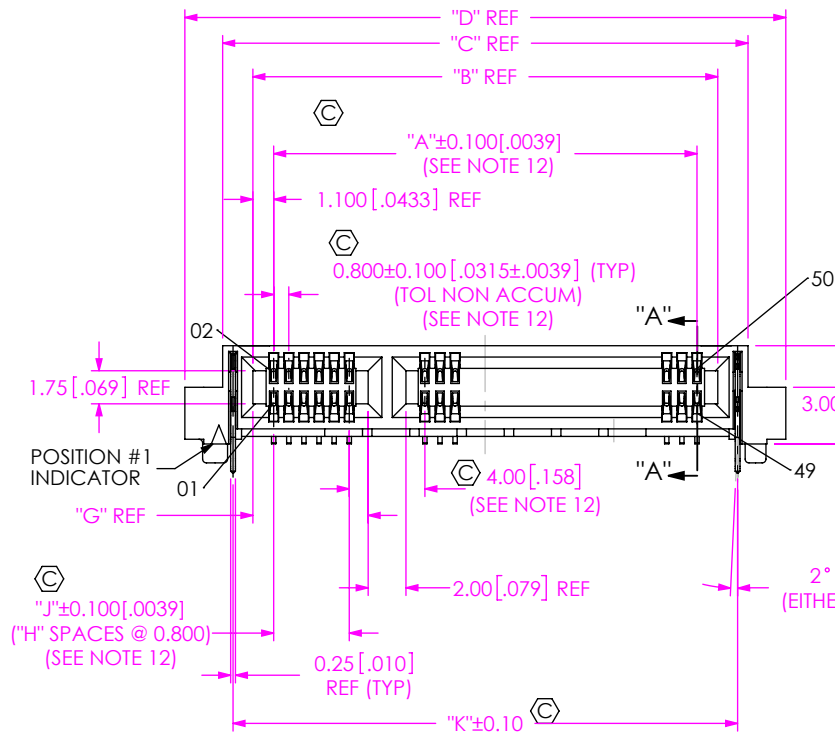


DO NOT SCALE FROM THIS PRINT



- NOTES:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
  2. MAXIMUM BURR ALLOWANCE: 0.05[.002].
  3. MINIMUM RETENTION FORCE: 2.22N[.500 LB] FOR PINS AND WELD TAB.
  4. MEASURE AT BEND TANGENCY.
  5. NOTE DELETED.
  6. PARTS TO BE PACKAGED IN TRAY, UNLESS -TR OPTION IS SPECIFIED.
  7. NOTE DELETED.
  8. DIMENSIONS MUST BE MEASURED ON 4 CONSECUTIVE PINS ON EACH END OF THE CONNECTOR.
  9. NOTE DELETED.
  10. NOTE DELETED.
  11. LTC-XX TO BE IN CLOSED POSITION AS SHOWN.
  12. MEASURE BOTH TOP AND BOTTOM ROWS.
  13. NOTE DELETED.
  14. SEE CO-AU-WI-3163-M DOCUMENT FOR CRITICAL MEASUREMENT SPECIAL INSTRUCTIONS (NOT NEEDED FOR OMM).
  15. SEE SUB-C-272-XX-X FOR PROCESS DESCRIPTION AND REQUIREMENTS.

HSEC8-1XX-XX-X-RA-XX-XX

No OF POSITIONS  
 -10, -20, -30 (ONE BANK OPTIONS)  
 -09, -13, -25, -40, -49, -50, -60  
 (TWO BANK OPTIONS)

CARD THICKNESS  
 -01: 1.57mm [.062] THICK CARD

PLATING SPECIFICATION  
 -L: 10μ" SELECTIVE GOLD ON CONTACT AREA, TIN TAIL  
 -S: 30μ" SELECTIVE GOLD ON CONTACT AREA, TIN TAIL

PACKAGING  
 -TR: TAPE & REEL

OPTION  
 -BL: BOARD LOCK OPTION (USE HSEC8-XXX-01-RA-BL) (AVAILABLE IN -09, -13, \*-20, -25, -40, -49, -50, -60 POS ONLY, SEE FIG 2, SHT 3)  
 -L2: ECDP LATCHING OPTION (USE HSEC8-XXX-01-RA-L2) (AVAILABLE IN -09, -13, -25, -49 POS ONLY, SEE FIG 3, SHT 3)

ROW SPECIFICATION  
 -RA: RIGHT ANGLE (USE HSEC8-XXX-01-RA-XX)

(\* = NOT TOOLED)

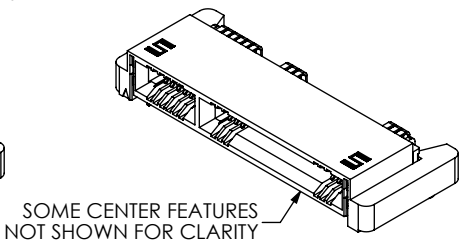
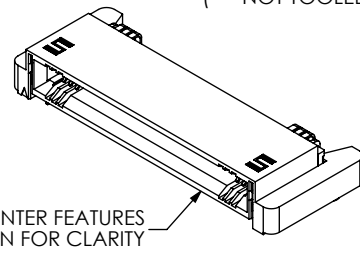


FIG 1  
 HSEC8-125-01-X-RA SHOWN (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)

TABLE 2

No OF POSITIONS	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"	"K"
-10	7.200	9.400	12.600	16.60	7.200	13.40	NA	NA	NA	11.51
-20	15.200	17.400	20.600	24.60	15.200	21.40	NA	NA	NA	19.51
-30	23.200	25.400	28.600	32.60	23.200	29.40	NA	NA	NA	27.51
-09	9.600	11.800	15.000	19.00	9.600	15.80	4.500	3	2.400	13.91
-13	12.800	15.000	18.200	22.20	12.800	19.00	6.100	5	4.000	17.11
-25	22.400	24.600	27.800	31.80	22.400	28.60	6.100	5	4.000	26.71
-40	34.400	36.600	39.800	43.80	34.400	40.60	18.900	21	16.800	38.71
-49	41.600	43.800	47.000	51.00	41.600	47.80	22.900	26	20.800	45.91
-50	42.400	44.600	47.800	51.80	42.400	48.60	22.900	26	20.800	46.71
-60	50.400	52.600	55.800	59.80	50.400	56.60	26.900	31	24.800	54.71

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 X.X: ±0.3 [.01]  
 X.XX: ±0.13 [.005]  
 X.XXX: ±0.051 [.0020]

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 e-Mail: info@SAMTEC.com code 53322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2.5:1  
 INSULATOR: LCP UL94V-0, COLOR: BLACK  
 CONTACT: BeCu  
 WELD TAB: BRASS

DESCRIPTION:  
 0.8MM HIGH SPEED ASSEMBLY  
 DWG. NO.  
 HSEC8-1XX-XX-X-RA-XX-XX

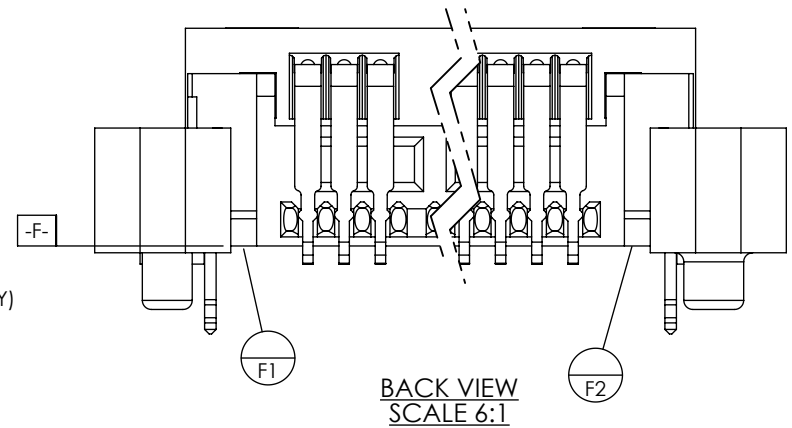
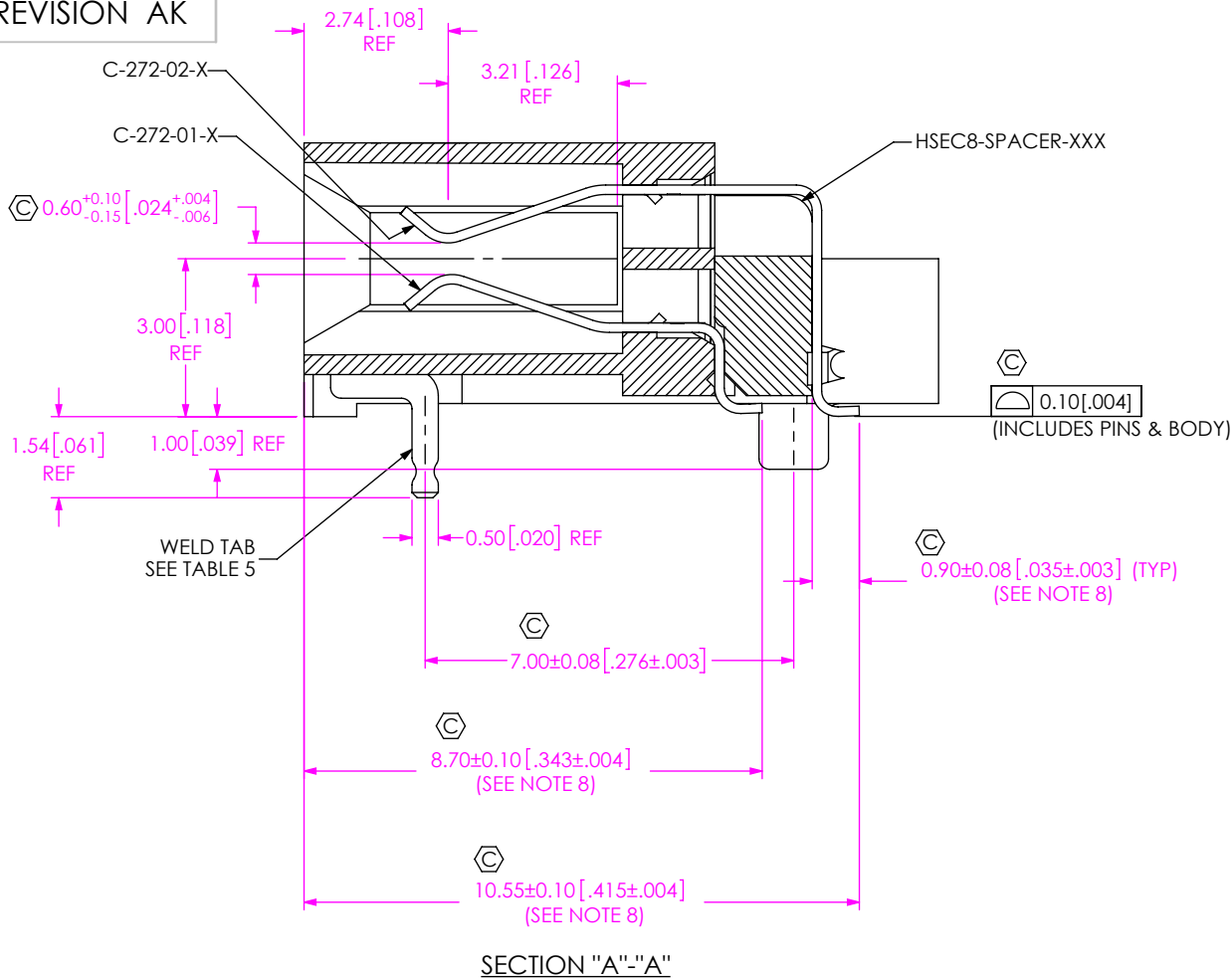


TABLE 5	
OPTION	WT-51-XX-T
NO OPTION	WT-51-01-T
-BL	WT-51-01-T
-L2	WT-51-02-T

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SHEET SCALE: 7:1

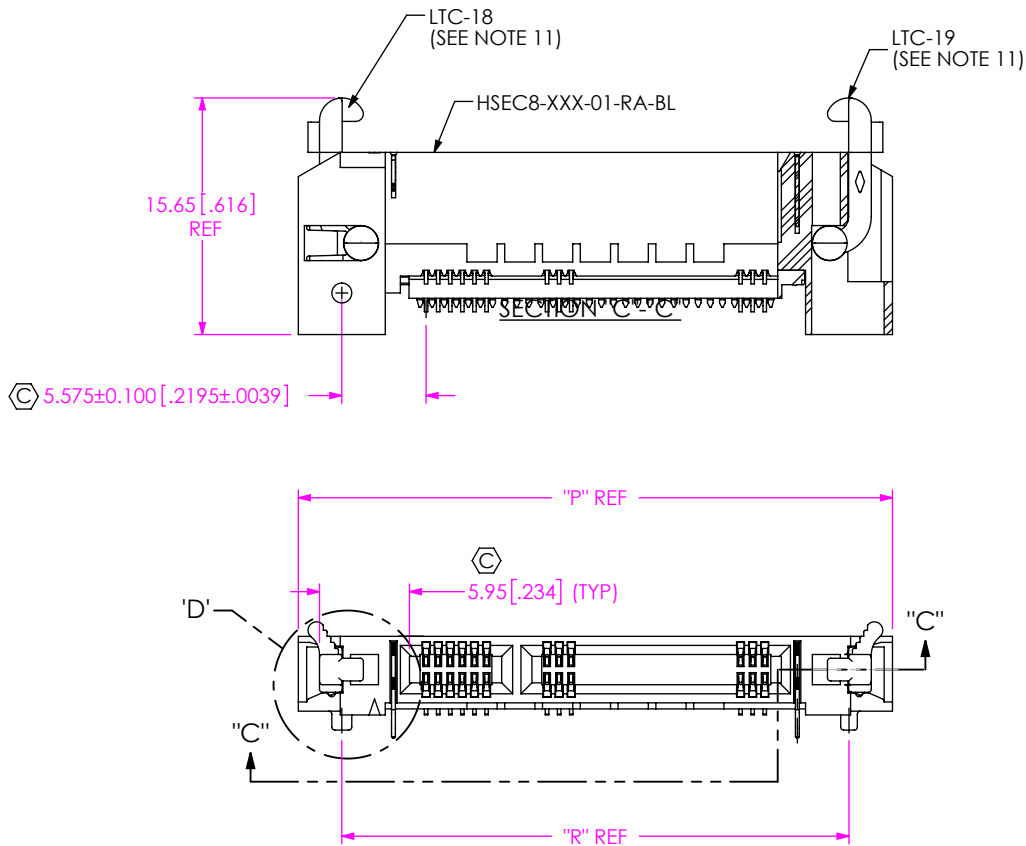
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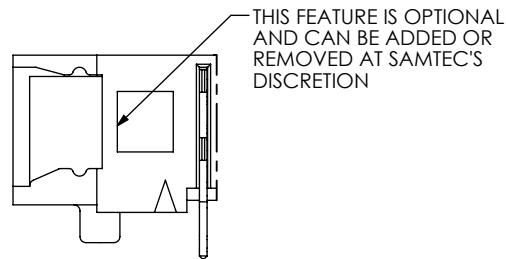
DESCRIPTION:  
 0.8MM HIGH SPEED ASSEMBLY

DWG. NO.  
 HSEC8-1XX-XX-X-RA-XX-XX

BY: ROY LUO 11/05/2008 SHEET 2 OF 4



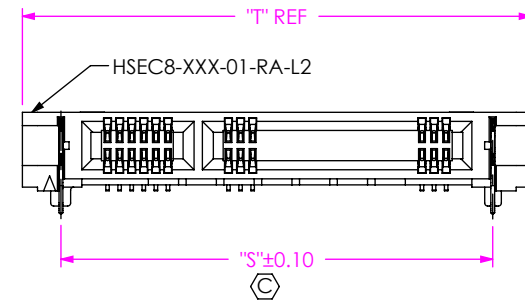
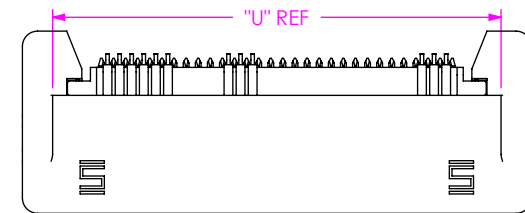
**FIG 2**  
 -BL: BOARD LOCK OPTION ONLY AVAILABLE FOR -09, -13, \*-20, -25, -40, -49, -50, -60 POSITIONS (SAME AS FIG 1, UNLESS OTHERWISE STATED)  
 HSEC8-125-01-X-RA-BL SHOWN (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)  
 (\* = NOT TOOLED)



**DETAIL 'D'**  
**SCALE 4:1**  
 LTC-XX REMOVED FOR CLARITY

No OF POSITIONS	"P"	"R"
-09	26.50	20.75
-13	29.70	23.95
*-20	32.10	26.35
-25	39.30	33.55
-40	51.30	45.55
-49	58.50	52.75
-50	59.30	53.55
-60	67.30	61.55

\* = NOT TOOLED



**FIG 3**  
 -L2: ECDP LATCHING OPTION  
 AVAILABLE ONLY IN -09, -13, -25 & -49 POSITIONS  
 SAME AS FIG 1, UNLESS OTHERWISE STATED  
 HSEC8-125-01-X-RA-L2 SHOWN

No OF POSITIONS	"S"	"T"	"U"
-09	15.76	20.86	16.86
-13	18.96	24.06	20.06
-25	28.56	33.66	29.66
-49	47.76	52.86	48.86

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SHEET SCALE: 2:1

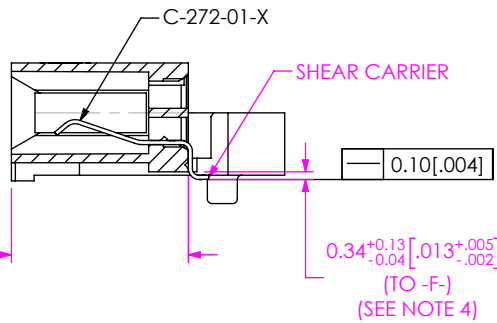
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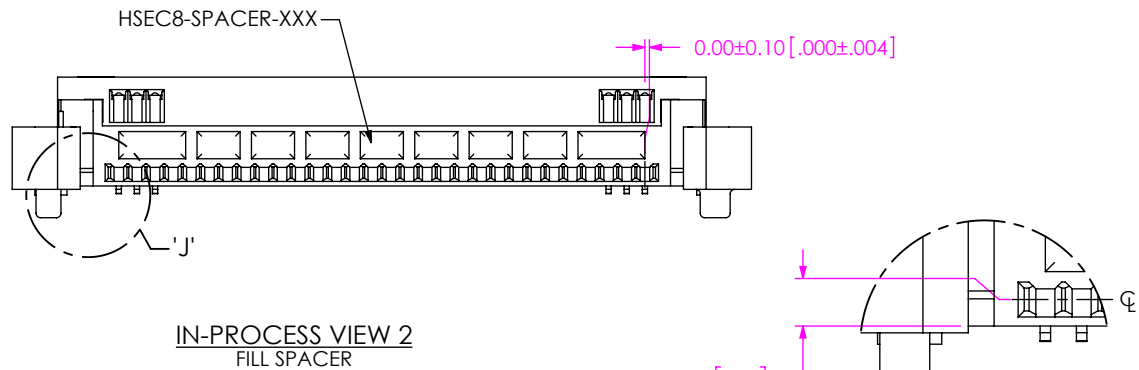
DESCRIPTION:  
 0.8MM HIGH SPEED ASSEMBLY

DWG. NO.  
**HSEC8-1XX-XX-X-RA-XX-XX**

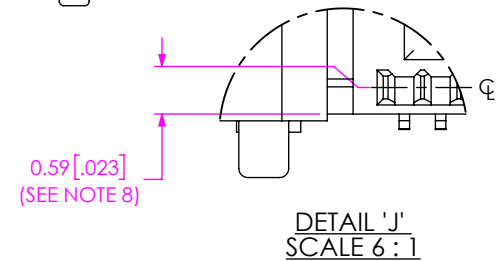
BY: ROY LUO 11/05/2008 SHEET 3 OF 4



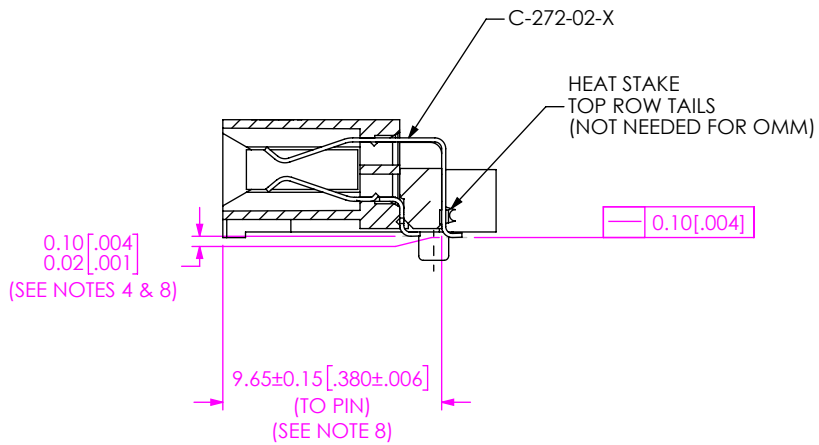
IN-PROCESS VIEW 1  
FILL FIRST ROW



IN-PROCESS VIEW 2  
FILL SPACER



DETAIL 'J'  
SCALE 6:1



IN-PROCESS VIEW 3  
FILL SECOND ROW

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SHEET SCALE: 3:1



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DESCRIPTION:  
 0.8MM HIGH SPEED ASSEMBLY

DWG. NO.  
 HSEC8-1XX-XX-X-RA-XX-XX

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