

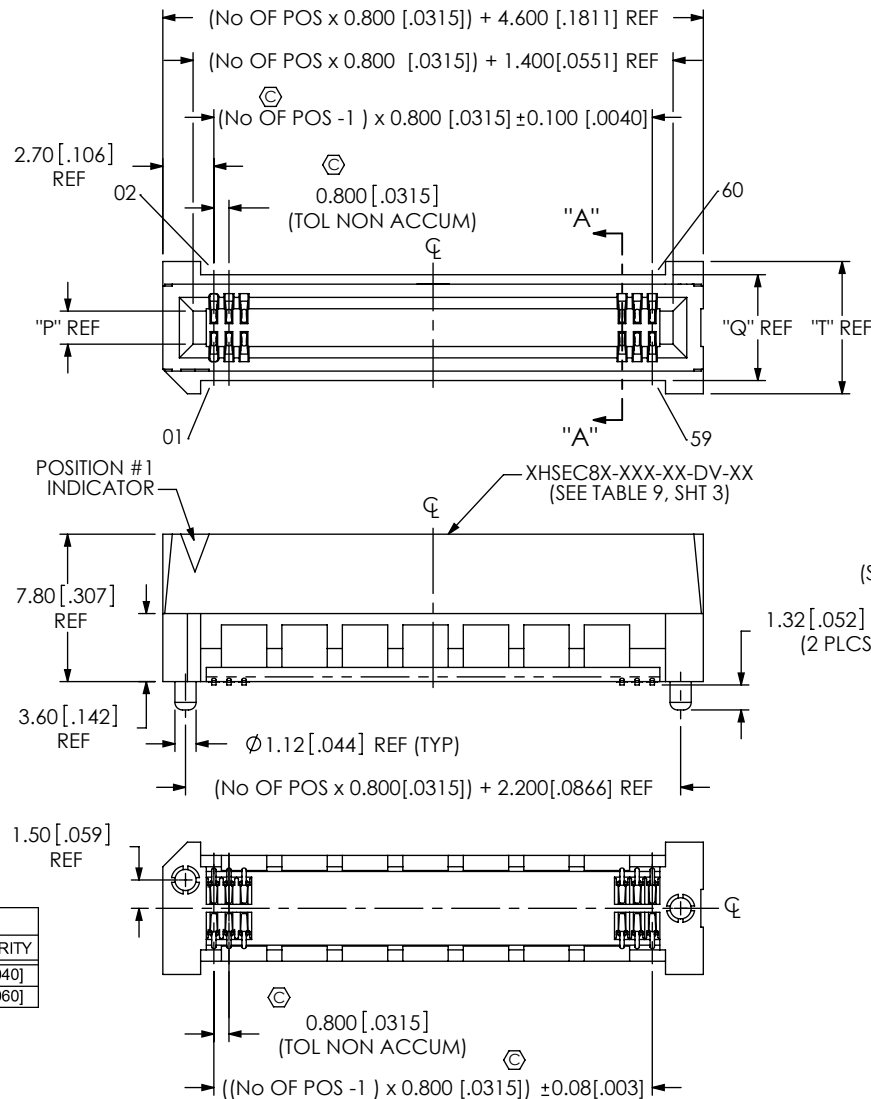
DO NOT
SCALE FROM
THIS PRINTDESIGNED & DIMENSIONED
IN MILLIMETERS
(INCHES FOR REFERENCE ONLY)FOR POSITIONS -10, -20 & -30
HSEC8-130-01-XX-DV-A SHOWN
(SOME FEATURES NOT SHOWN FOR CLARITY)

TABLE 1	
No OF POS	COPLANARITY
-10 THRU -60	0.102 [.0040]
-70 THRU -100	0.152 [.0060]

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. BURR ALLOWANCE: 0.04 [.0015] MAX.
3. MINIMUM PUSHOUT FORCE: 2.2 NEWTONS.
4. ALL TAIL TO TAIL DIMENSIONS MEASURED TIP TO TIP.
5. ASSEMBLIES TO BE PACKAGED IN TRAYS, UNLESS -TR IS SPECIFIED.
6. NOTE DELETED.
7. MATING EDGE CARD THICKNESS TOLERANCE TO BE ±10% OF NOMINAL.
8. NOTE DELETED.
9. NOTE DELETED.
10. MATING CARD MUST HAVE LEAD-IN. SEE SAMTEC FOOTPRINT FOR SPECIFICATIONS.
11. L, L2, & BL IS NOT APPLICABLE FOR GUIDE RAIL TYPE USE. GR NOT APPLICABLE FOR L, L2, OR BL TYPE USE.

HSEC8-1XXX-XX-XX-DV-X-XX

NO OF POSITIONS
-10, -20, -30 (PER ROW, SEE FIG 1)
-09, -13, -25, -37, -49, -40, -50, -60, -70, -80, -90, -100 (PER ROW, SEE FIG 2, SHT 2)

CARD THICKNESS
(SEE TABLE 9, SHT 3)
-01: 1.57 [.062] CARD
***-02: 2.00 [.079] CARD
(10-60 POS, MULTIPLES OF 10 ONLY)
(-K & -TR ONLY FOR OPTION 2)
(USE HSEC8A-XXX-02-DV-XX)
***-03: 2.36 [.093] CARD
(10-60 POS, MULTIPLES OF 10 ONLY)
(-K & -TR ONLY FOR OPTION 2)
(USE HSEC8A-XXX-03-DV-XX)
(SEE NOTE 7 & 10)

PLATING SPECIFICATION
-SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD TAIL
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
-L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

ROW SPECIFICATION

** = AVAILABLE ONLY WITH -01 CARD THICKNESS
*** = FOR EXISTING CUSTOMER ONLY

OPTION 2
**PE: PASS THROUGH (SHT 7, FIG 7)
(10, 13, & 20 POS ONLY)
(-A OPTION ONLY)
(NOT AVAILABLE WITH ANY OTHER OPTION 2, EXCEPT -K AND/OR -TR)
**BL: BOARD LOCK (SHT 5, FIG 5) (SEE NOTE 11)
**GR: GUIDE RAILS (SHT 6, FIG 6)
(10-60 POS, MULTIPLES OF 10 ONLY) (SEE NOTE 11)
(-TR PACKAGING ONLY)
**WT: WELD TAB (SHT 7, FIG 8)
(-A OPTION ONLY)
**L: LATCHING (SHT 4, FIG 4)
(13, 25, 37, & 49 POS ONLY) (SEE NOTE 11)
**L2

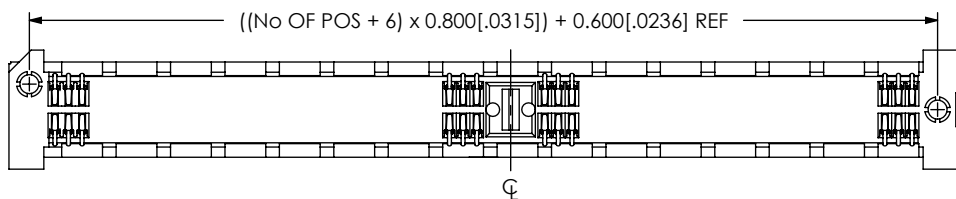
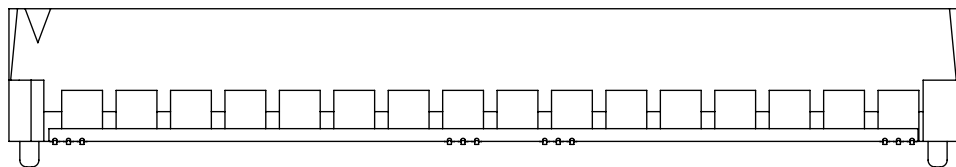
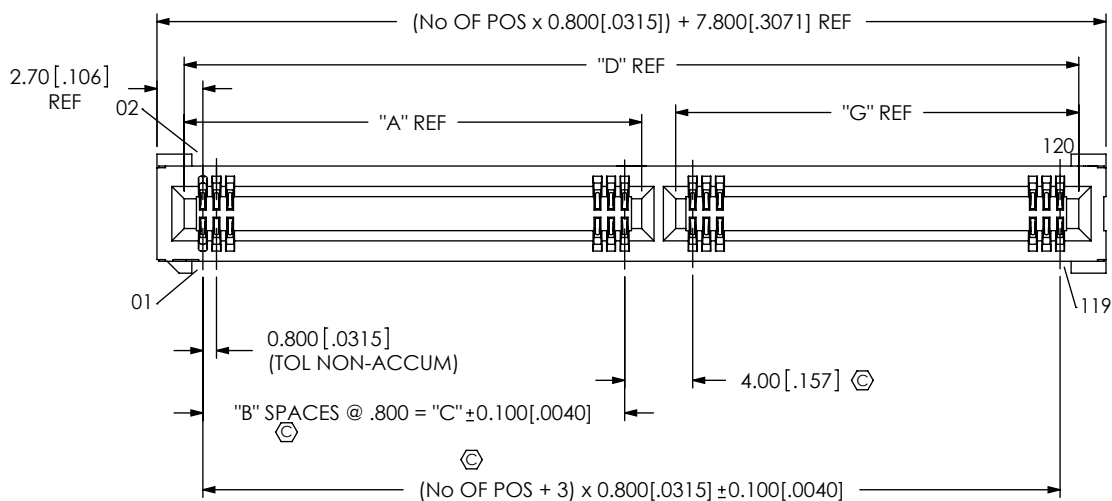
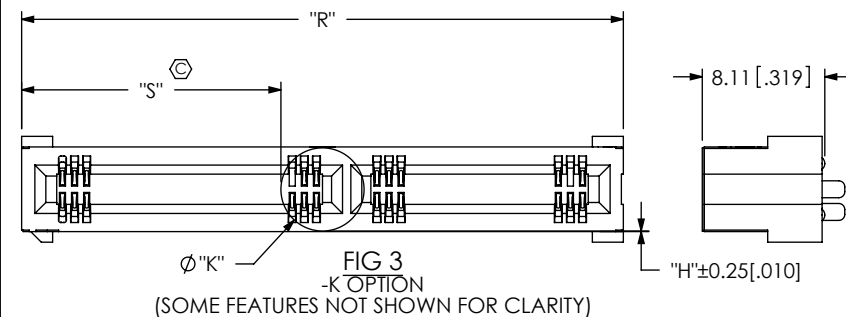


TABLE 2					
No OF POS	"A"	"B"	"C"	"D"	"G"
**13	6.10[.240]	5	4.000[.1575]	15.00[.591]	6.90[.272]
**25	6.10[.240]	5	4.000[.1575]	24.60[.969]	16.50[.650]
**37	18.10[.713]	20	16.000[.6299]	34.20[1.346]	14.10[.555]
-40	18.90[.744]	21	16.800[.6614]	36.60[1.441]	15.70[.618]
**49	22.90[.902]	26	20.800[.8189]	43.80[1.724]	18.90[.744]
-50	22.90[.902]	26	20.800[.8189]	44.60[1.756]	19.70[.776]
-60	26.90[1.059]	31	24.800[.9764]	52.60[2.071]	23.70[.933]
**70	26.90[1.059]	31	24.800[.9764]	60.60[2.386]	31.70[1.248]
**80	26.90[1.059]	31	24.800[.9764]	68.60[2.701]	39.70[1.563]
**90	26.90[1.059]	31	24.800[.9764]	76.60[3.016]	47.70[1.878]
**100	26.90[1.059]	31	24.800[.9764]	84.60[3.331]	55.70[2.193]

** = AVAILABLE ONLY WITH -.01 CARD THICKNESS

FIG 2
FOR POSITIONS **13, **25, **37,
-40, **49, -50, -60, **70, **80, **90, **100
HSEC8-160-01-XX-DV-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME FEATURES NOT SHOWN FOR CLARITY)
(** = AVAILABLE ONLY WITH
-.01 CARD THICKNESS)



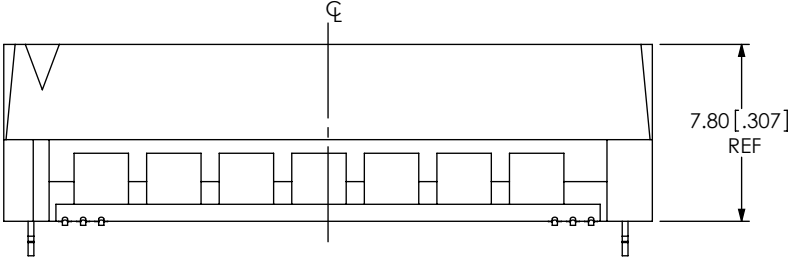


FIG 10
**NON-ALIGNMENT PIN OPTION
HSEC8-130-01-XX-DV-LC SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(** = AVAILABLE ONLY WITH -01 CARD THICKNESS)
(SOME FEATURES NOT SHOWN FOR CLARITY)

TABLE 9				
CARD	OPTION 2	POS	BODY	CONTACT
-01	-L	ALL APPLICABLE	HSEC8-XXX-01-DV-XX-L	C-188-01-X
	-L2	ALL APPLICABLE	HSEC8-XXX-01-DV-XX-L2	C-188-01-X
	-BL	ALL APPLICABLE	HSEC8-XXX-01-DV-XX-BL	C-188-01-X
	-GR	ALL APPLICABLE	HSEC8-XXX-01-DV-XX-GR	C-188-01-X
	-PE	ALL APPLICABLE	HSEC8-XXX-01-DV-A-PE	C-188-01-X
	-WT	ALL APPLICABLE	HSEC8-XXX-01-DV-A-WT	C-188-01-X
	NONE	09 THRU 37 EXCEPT -13, -20, & -25	HSEC8-XXX-01-DV-XX	C-188-01-X
		-13, -20, -25, -40 THRU -100	RHSEC8-XXX-01-DV-XX	C-188-02-X
-02	NONE	ALL APPLICABLE	HSEC8A-XXX-02-DV-A	C-188-01-X
-03	NONE	ALL APPLICABLE	HSEC8A-XXX-03-DV-A	C-188-01-X

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	DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX	
	BY: BRATCHER 01/24/03	SHEET 3 OF 8

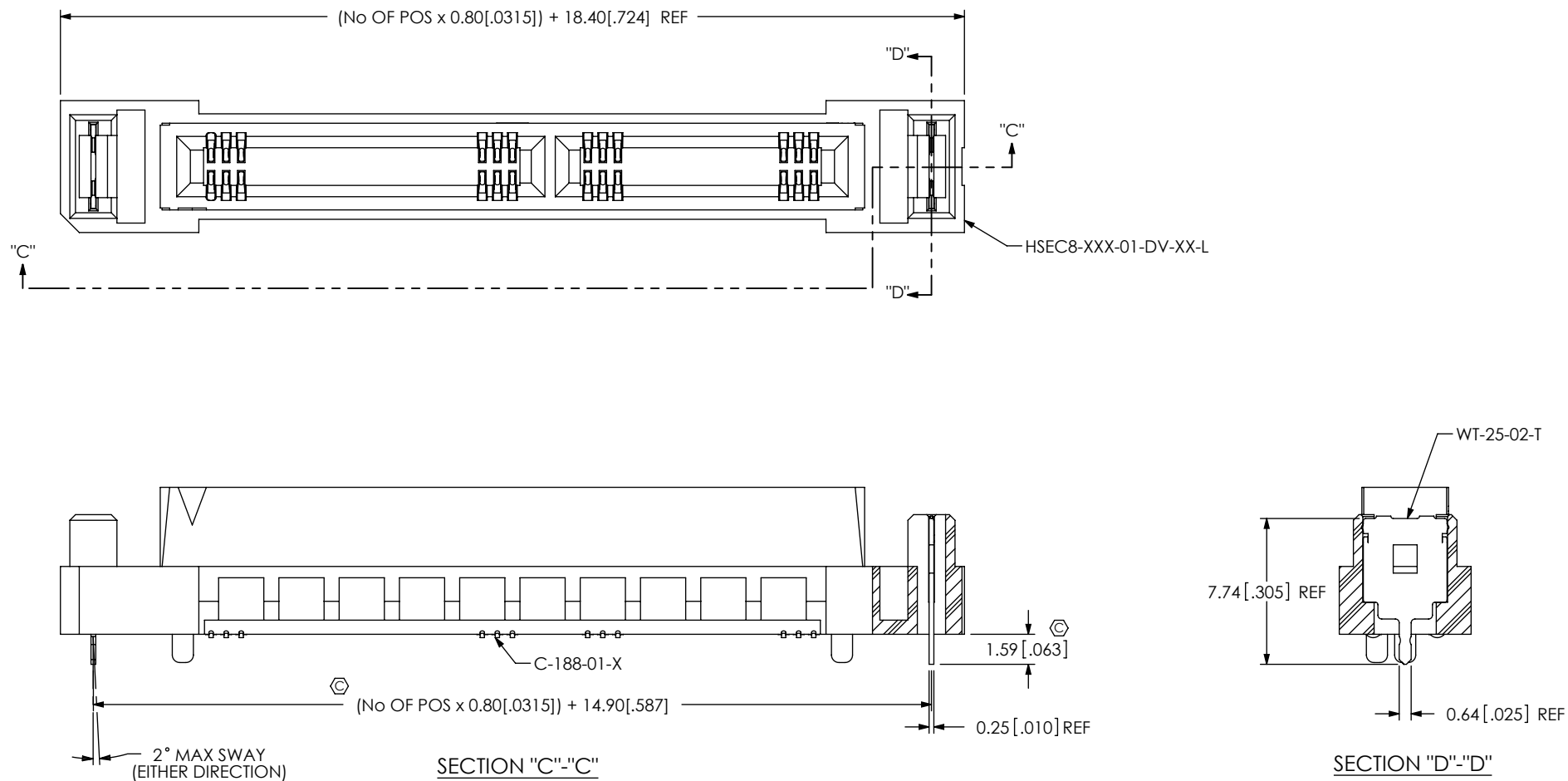


FIG 4
 **L: LATCHING OPTION
 HSEC8-137-01-XX-DV-A-L SHOWN
 AVAILABLE IN -13, -25, -37 & -49 POSITIONS ONLY
 (NOT AVAILABLE FOR -GR TYPE USE)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
 (SOME FEATURES NOT SHOWN FOR CLARITY)
 (** = AVAILABLE ONLY WITH -01 CARD THICKNESS)

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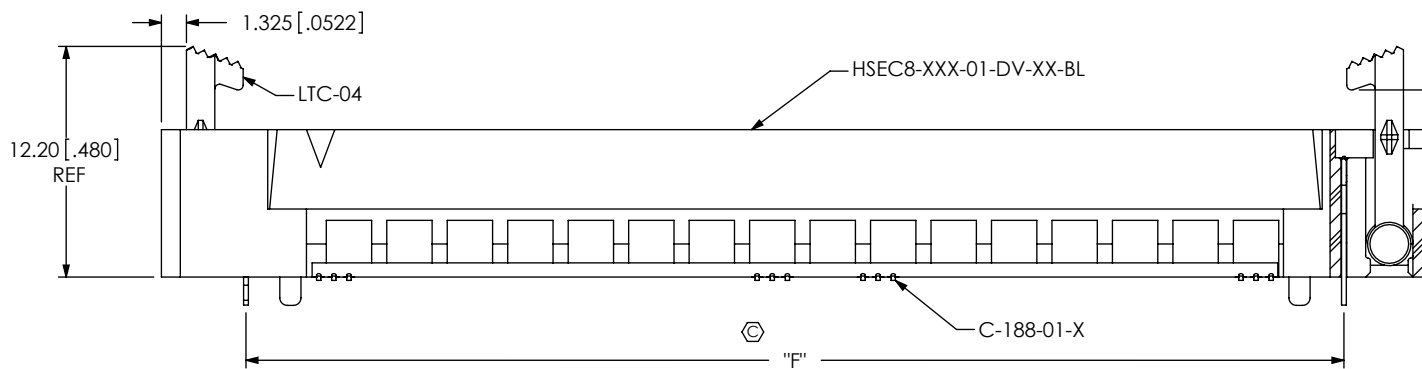
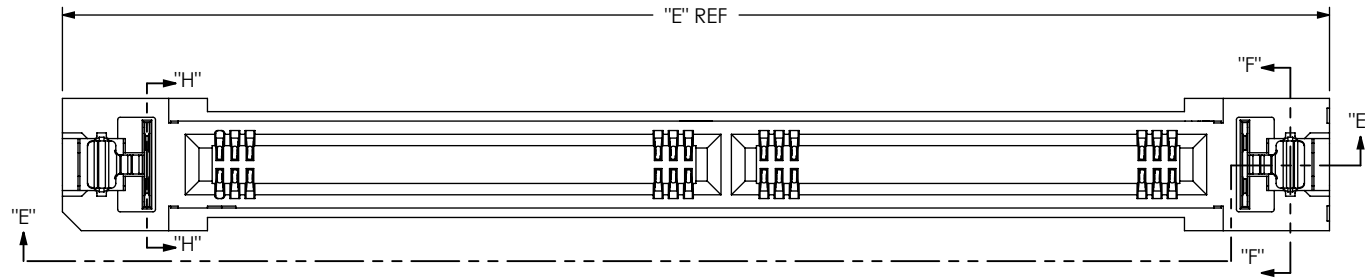
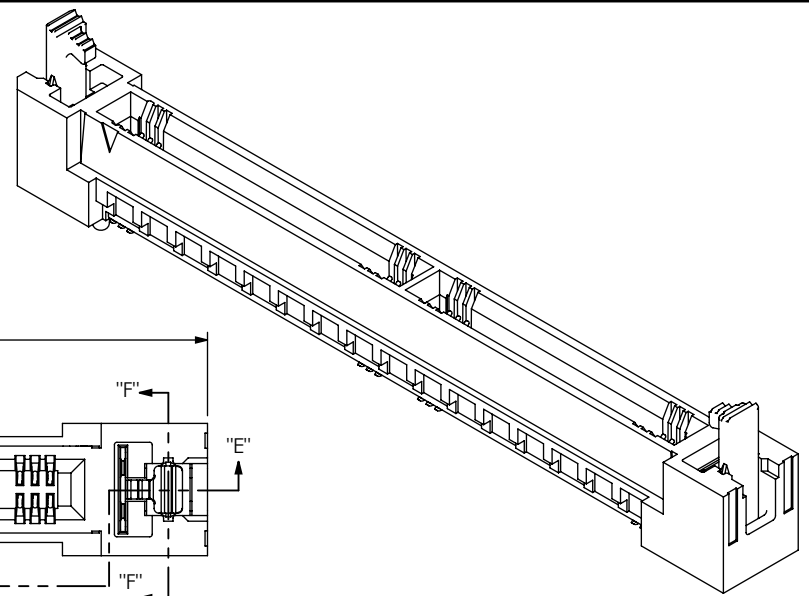
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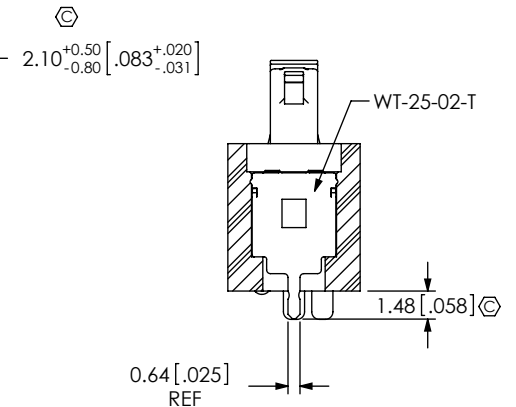
DESCRIPTION:
 0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC8-1XXX-XX-XX-DV-X-XX

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SECTION "E"-"E"

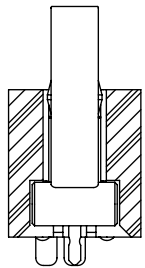


SECTION "H"-"H"

FIG 5

**BL: BOARD LOCK OPTION
HSEC8-160-01-XX-DV-A-BL SHOWN
(NOT AVAILABLE FOR -GR TYPE USE)

(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4)
(** = AVAILABLE ONLY WITH -.01 CARD THICKNESS)
(SOME FEATURES NOT SHOWN FOR CLARITY)



SECTION "F"-"F"

TABLE 4		
No OF POSITIONS	"E"	"F"
-10	23.85 [0.939]	14.90 [0.587]
**13	29.45 [1.159]	20.50 [0.807]
-20	31.85 [1.254]	22.90 [0.902]
**25	39.05 [1.537]	30.10 [1.185]
-30	39.85 [1.569]	30.90 [1.217]
**37	48.65 [1.915]	39.70 [1.563]
-40	51.05 [2.010]	42.10 [1.657]
**49	58.25 [2.293]	49.30 [1.941]
-50	59.05 [2.325]	50.10 [1.972]
-60	67.05 [2.640]	58.10 [2.287]
**70	75.05 [2.955]	66.10 [2.602]
**80	83.05 [3.270]	74.10 [2.917]
**90	91.05 [3.585]	82.10 [3.232]
**100	99.05 [3.900]	90.10 [3.547]

** = AVAILABLE ONLY WITH -.01 CARD THICKNESS

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DESCRIPTION:
0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC8-1XXX-XX-XX-DV-X-XX

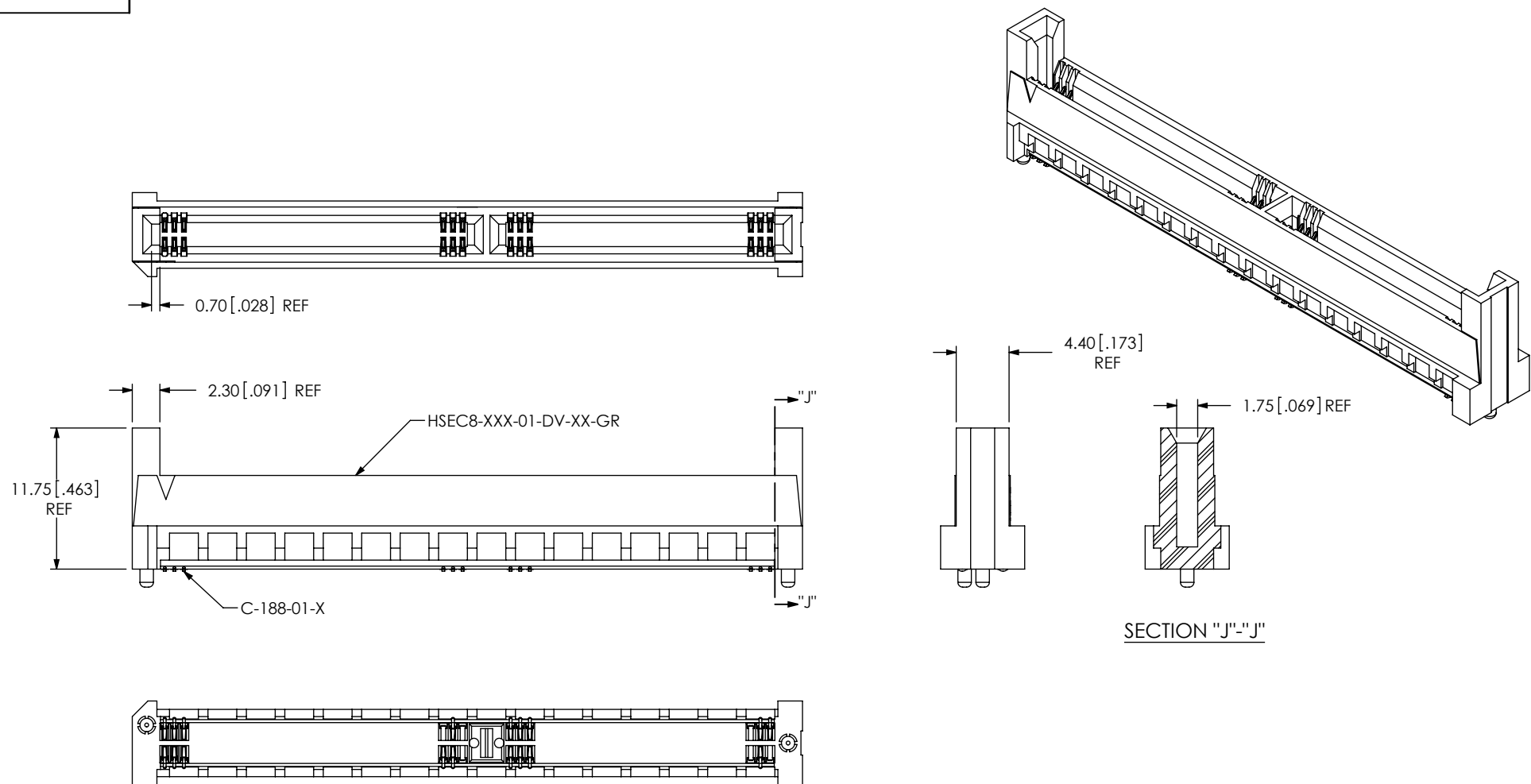


FIG 6
**-GR: GUIDE RAILS OPTION
HSEC8-160-01-XX-DV-A-GR SHOWN
AVAILABLE IN -10, -20, -30, -40, -50, & -60 POSITIONS ONLY
(NOT AVAILABLE FOR -L; -BL TYPE USE)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(SOME FEATURES NOT SHOWN FOR CLARITY)
(** = AVAILABLE ONLY WITH -01 CARD THICKNESS)

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	DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX	
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SHEET SCALE: 2:1		

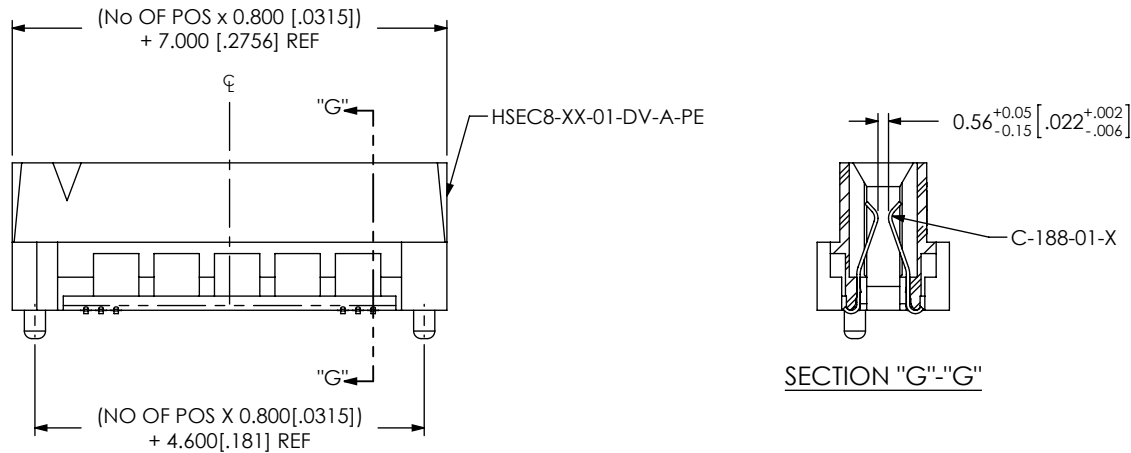


FIG 7
** PE: PASS THROUGH OPTION
HSEC8-120-01-XX-DV-A-PE SHOWN
AVAILABLE IN -10, -13 & -20 POSITIONS ONLY
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME FEATURES NOT SHOWN FOR CLARITY)
** = AVAILABLE ONLY WITH -01 CARD THICKNESS

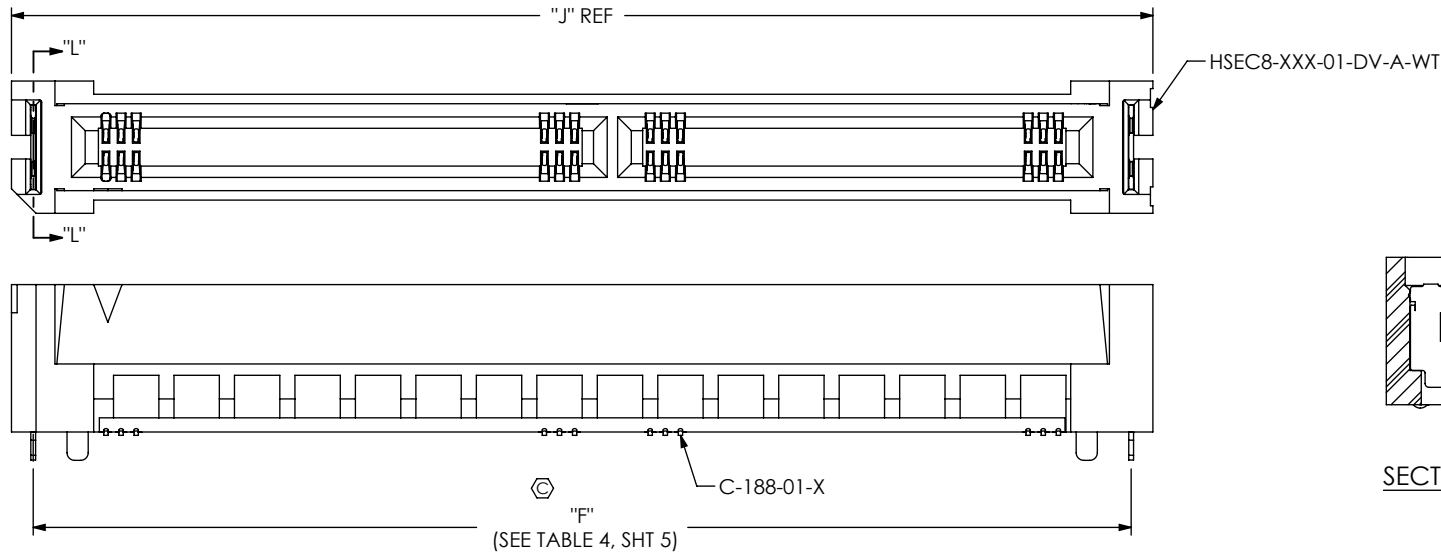


FIG 8
**-WT: WELD TAB OPTION
HSEC8-160-01-XX-DV-A-WT SHOWN
AVAILABLE IN ALL POSITIONS
(-A OPTION REQUIRED)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 5)
(SOME FEATURES NOT SHOWN FOR CLARITY)
** = AVAILABLE ONLY WITH -01 CARD THICKNESS

TABLE 7	
No OF POSITIONS	"J"
-10	17.20 [0.677]
** -13	22.80 [0.898]
-20	25.20 [0.992]
** -25	32.40 [1.276]
-30	33.20 [1.307]
** -37	42.00 [1.654]
-40	44.40 [1.748]
** -49	51.60 [2.031]
-50	52.40 [2.063]
-60	60.40 [2.378]
** -70	68.40 [2.693]
** -80	76.40 [3.008]
** -90	84.40 [3.323]
** -100	92.40 [3.638]

** = AVAILABLE ONLY WITH -01 CARD THICKNESS

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0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC8-1XXX-XX-XX-DV-X-XX

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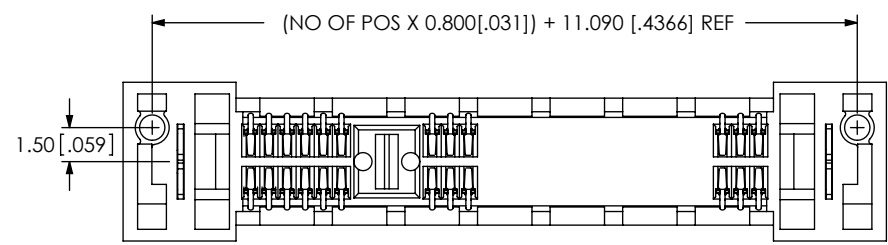
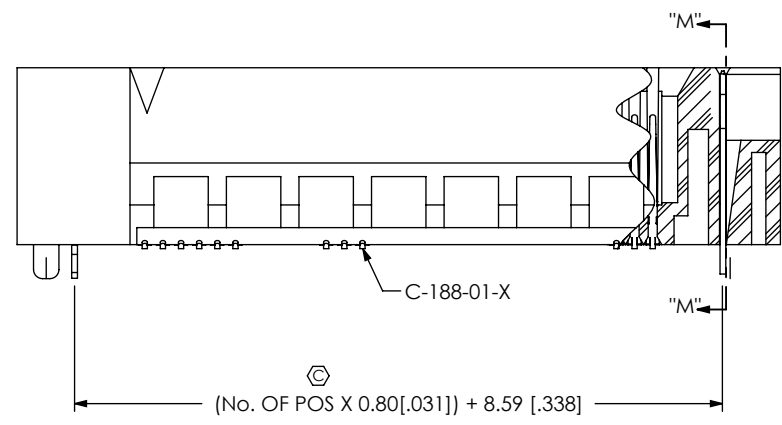
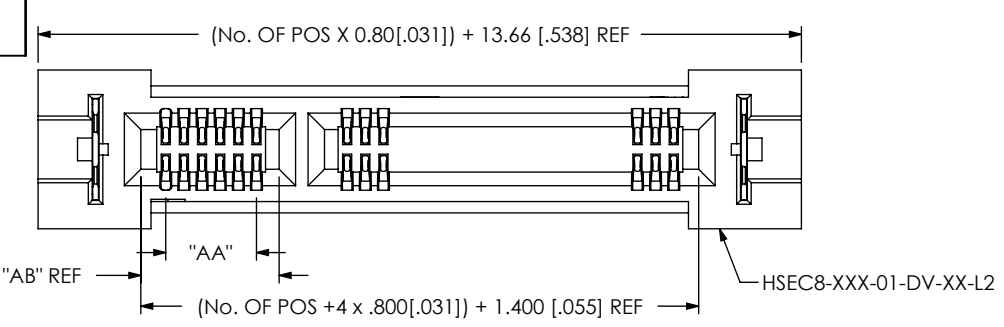
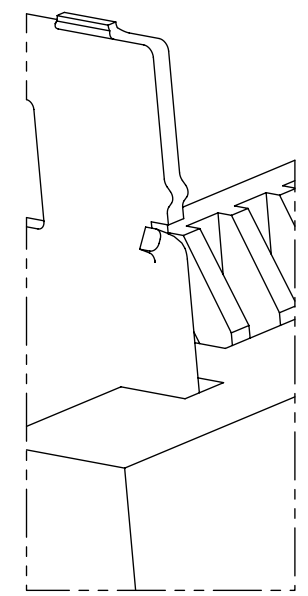
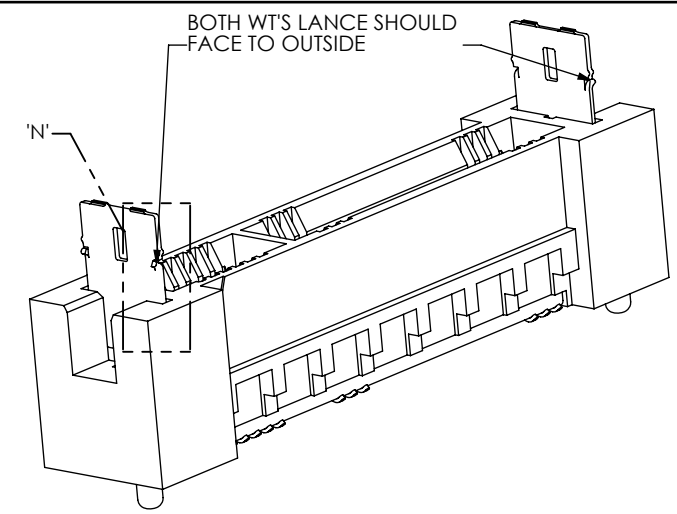
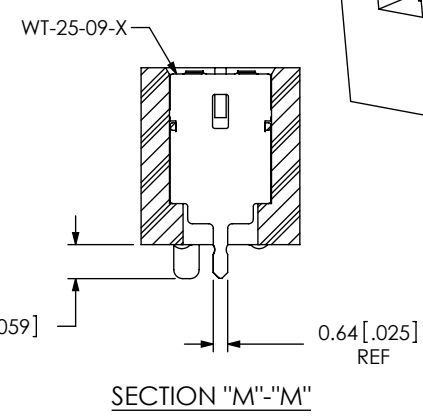


FIG 9
**-L2: ECDP LATCHING OPTION
HSEC8-125-01-XX-DV-A-L2 SHOWN
(AVAILABLE IN 9, 13, 25, & 49 POS ONLY)
(NOT AVAILABLE FOR -GR TYPE USE)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 4)
(SOME FEATURES NOT SHOWN FOR CLARITY)
(** = AVAILABLE ONLY WITH -01 CARD THICKNESS)



SCALE 12 : 1

TABLE 8		
No OF POSITIONS	"AA"	"AB"
-09	2.400 [0.0945]	4.500 [0.1772]
-13	4.000 [0.1575]	6.100 [0.2402]
-25	4.000 [0.1575]	6.100 [0.2402]
-49	20.800 [0.8189]	22.900 [0.9016]

F:\DWG\MISC\MKTG\HSEC8-1XXX-XX-XX-DV-X-XX-MKT.SLDDRW

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	DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX		
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**Стандарт
Электрон
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