

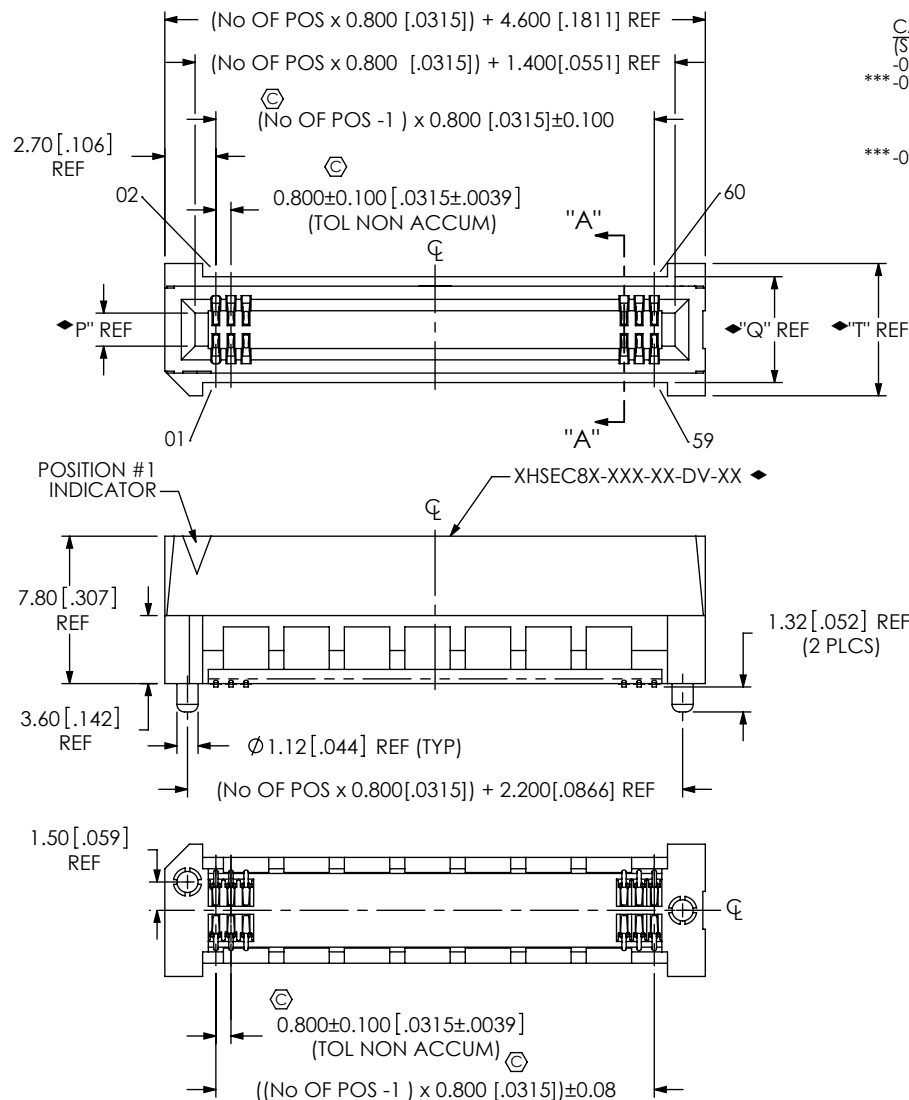
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THIS PRINTDESIGNED & DIMENSIONED
IN MILLIMETERS
(INCHES FOR REFERENCE ONLY)

FIG 1
FOR POSITIONS -T0, -20 & -30
HSEC8-130-01-XX-DV-A SHOWN
(SOME FEATURES NOT SHOWN FOR CLARITY)
◆=(SEE TABLE 9, SHT 3)

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

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

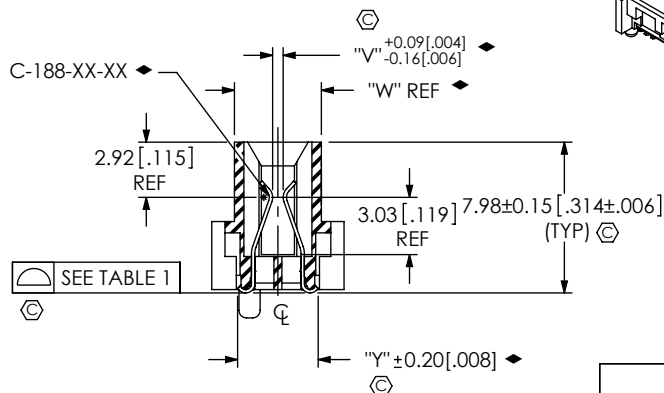
** = AVAILABLE ONLY WITH -01 CARD THICKNESS
*** = FOR EXISTING CUSTOMER ONLY
■ = AVAILABLE ONLY WITH END OPTIONS -BL, -WT, & -L2

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: ECDP LATCHING (SHT 8, FIG 9)
(09, 13, 25, & 49 POS ONLY) (SEE NOTE 11)
-K: POLYIMIDE FILM PAD (SEE SHT 2, FIG 3)
-TR: TAPE & REEL
(09 THRU 70 POS ONLY)
(LEAVE BLANK FOR TRAY)

OPTION 1

-A: ALIGNMENT PIN
(USE XHSEC8X-XXX-XX-DV-A)
(LEAVE BLANK FOR NO ALIGNMENT PIN, USE XHSEC8-XXX-01-DV-LC, NOT AVAILABLE FOR CARD THICKNESS -02, -03, OR -04, SEE FIG 10, SHT 3)



SECTION "A"-A"

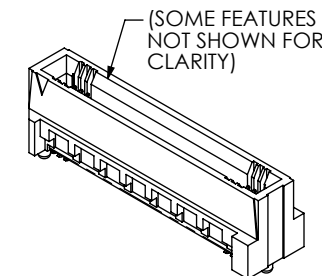


TABLE 1

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.

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

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

DECIMALS	ANGLES
.X: ± .3 [.01]	2°
.XX: ± .13 [.005]	
.XXX: ± .05 [.0020]	

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2.5:1
INSULATOR: LCP,
COLOR: -01 CARD THICKNESS BLACK,
-02 THRU -04 CARD THICKNESS NATURAL
CONTACT: BeCu

samtec

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

DESCRIPTION:
0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.

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

BY: BRATCHER 01/24/03

SHEET 1 OF 8

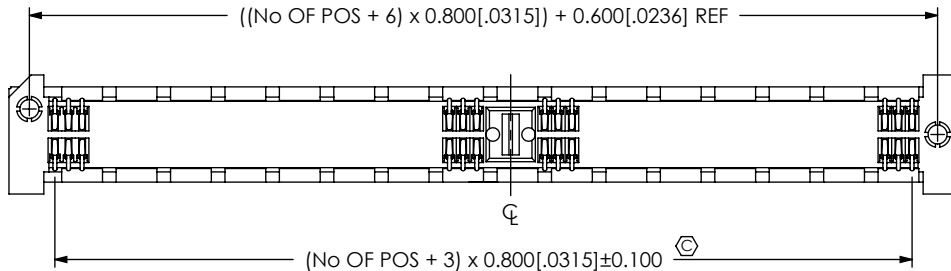
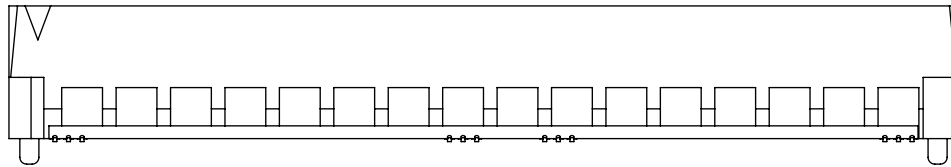
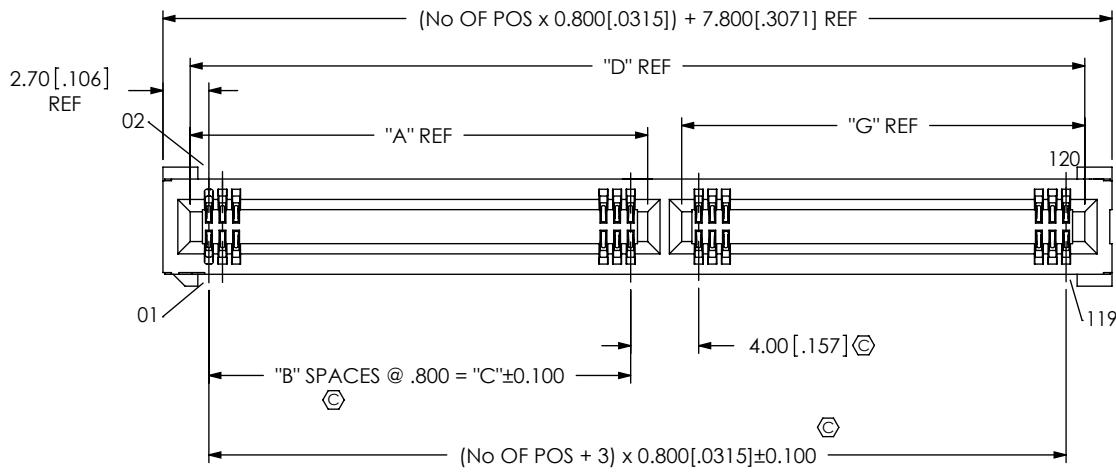


TABLE 2					
No OF POS	"A"	"B"	"C"	"D"	"G"
■ **09	4.50 [.177]	3	2.400 [.0945]	11.80 [.465]	5.30 [.209]
**13	6.10 [.240]	5	4.000 [.1575]	15.00 [.591]	6.90 [.272]
**25	6.10 [.240]	5	4.000 [.1575]	24.60 [.969]	16.50 [.650]
**37	18.10 [.713]	20	16.000 [.6299]	34.20 [1.346]	14.10 [.555]
-40	18.90 [.744]	21	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

■ = AVAILABLE ONLY WITH END OPTIONS -BL, -WT & -L2

FIG 2
FOR POSITIONS ■ **09, **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)

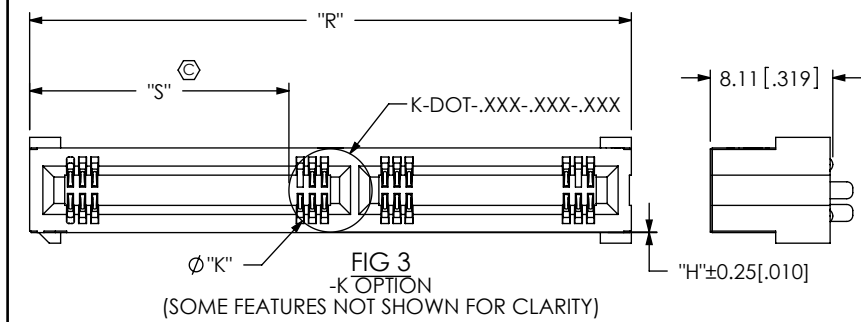
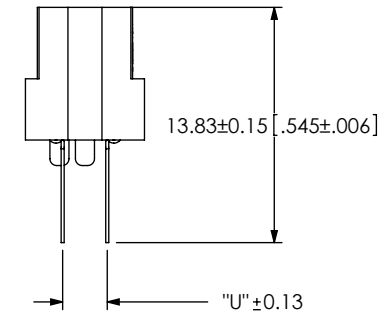


TABLE 3			
OPTION 2	No OF POS	"R"	"S"
NONE	-10 THRU -30	(No OF POS x 0.800 [.0315]) + 4.600 [.1811] REF	((("R" - "K") / 2) +/- 0.51 [.020])
	-13, -25, -37, -40 THRU -100	(No OF POS x 0.800 [.0315]) + 7.800 [.3071] REF	
**-WT	-10 THRU -30	(No OF POS x 0.800 [.0315]) + 9.200 [.3622] REF	
	-13, -25, -37, -40 THRU -100	(No OF POS x 0.800 [.0315]) + 12.400 [.4882] REF	
**-L	-13, -25, -37, & -49	(No OF POS x 0.800 [.0315]) + 18.400 [.7244] REF	
	-10 THRU -30	(No OF POS x 0.800 [.0315]) + 15.850 [.6240] REF	
**-BL	-13, -25, -37, -40 THRU -100	(No OF POS x 0.800 [.0315]) + 19.050 [.7500] REF	
	-10, -13, & -20	(No OF POS x 0.800 [.0315]) + 7.000 [.2756] REF	
**-PE	-10, -20, -30	(No OF POS x 0.800 [.0315]) + 4.600 [.1811] REF	
	-40, -50, -60	(No OF POS x 0.800 [.0315]) + 7.800 [.3071] REF	
**-GR	-09, -13, -25, -49	(No OF POS x 0.800 [.0315]) + 11.800 [.4646] REF	

** = AVAILABLE ONLY WITH -01 CARD THICKNESS

TABLE 6					
CARD THICKNESS	No OF POS	K-DOT-XXX-XXX-XXX	"K"	"U"	"H"
-01	-09 THRU -37	K-DOT-.217-.313-.005	5.51 [.217]	2.61 [.103]	0.45 [.018]
	-40 THRU -100				-0.04 [.002]
-02	ALL APPLICABLE	K-DOT-.217-.313-.005	5.51 [.217]	3.04 [.120]	0.24 [.009]
-03	ALL APPLICABLE	K-DOT-.246-.375-.005	6.25 [.246]	3.40 [.134]	0.43 [.017]



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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

DESCRIPTION:

0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.

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

BY: BRATCHER 01/24/03

SHEET 2 OF 8

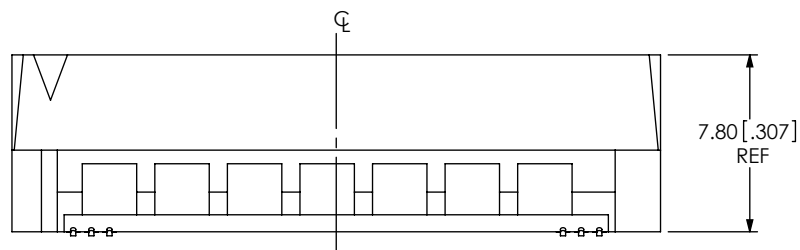


FIG 10
 **NON-ALIGNMENT PIN OPTION
 HSEC8-130-01-XX-DV SHOWN
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (** = AVAILABLE ONLY WITH -01 CARD THICKNESS)
 (SOME FEATURES NOT SHOWN FOR CLARITY)

TABLE 9

CARD	OPTION 2	POS	BODY	CONTACT	"P"	"Q"	"T"	"V"	"W"	"Y"
-01	-L	ALL APPLICABLE	HSEC8-XXX-01-DV-XX-L	C-188-01-X	1.75[.070]	5.60[.220]	7.00[.280]	0.56[.022]	4.60[.180]	4.26[.168]
	-L2	ALL APPLICABLE	HSEC8-XXX-01-DV-XX-L2	C-188-01-X					4.60[.180]	
	-BL	-50	RHSEC8-XXX-01-DV-XX-BL	C-188-02-X					5.60[.220]	
		-09 THRU -49, -60 THRU -100	HSEC8-XXX-01-DV-XX-BL	C-188-01-X					4.60[.180]	
	-GR	ALL APPLICABLE	RHSEC8-XXX-01-DV-XX-GR	C-188-02-X					5.60[.220]	
	-PE	ALL APPLICABLE	HSEC8-XXX-01-DV-A-PE	C-188-01-X					4.60[.180]	
	-WT	ALL APPLICABLE	HSEC8-XXX-01-DV-A-WT	C-188-01-X					4.60[.180]	
	NONE	-37	HSEC8-XXX-01-DV-XX	C-188-01-X					4.60[.180]	
		-09 THRU -30, -40 THRU -100	RHSEC8-XXX-01-DV-XX	C-188-02-X					5.60[.220]	
-02	NONE	ALL APPLICABLE	HSEC8A-XXX-02-DV-A	C-188-01-X	2.18[.086]	6.03[.237]	7.43[.293]	0.99[.039]	5.03[.198]	4.69[.185]
-03	NONE	ALL APPLICABLE	HSEC8A-XXX-03-DV-A	C-188-01-X	2.54[.100]	6.39[.252]	7.79[.307]	1.35[.053]	5.39[.212]	5.05[.199]

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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

DESCRIPTION:
 0.8mm HIGH SPEED EDGE CARD ASSEMBLY

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

BY: BRATCHER 01/24/03 SHEET 3 OF 8

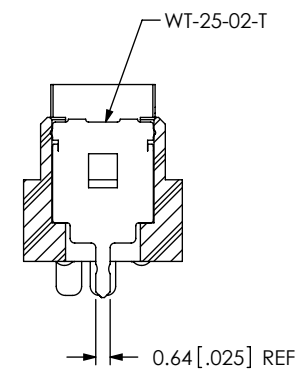
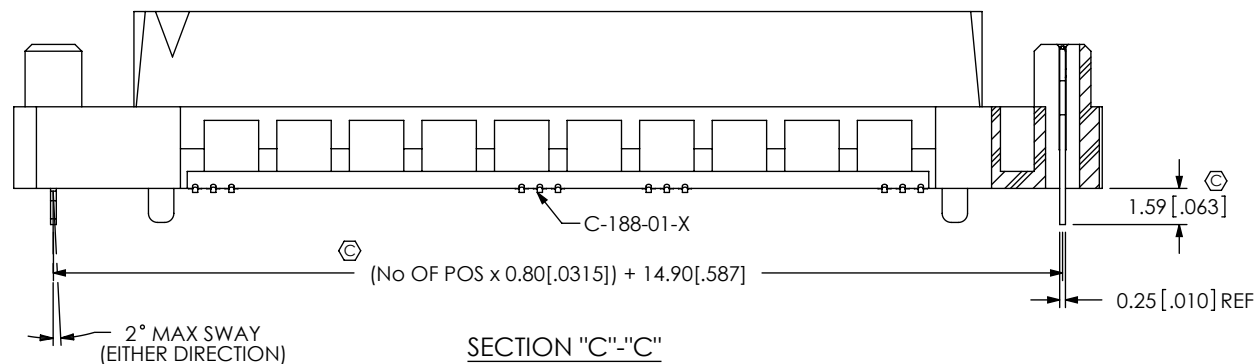
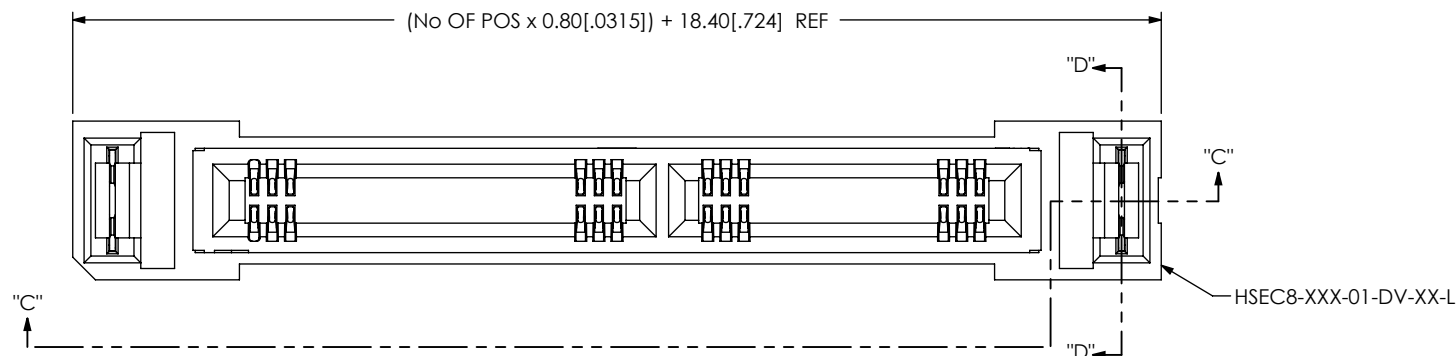


FIG 4
 **L: LATCHING OPTION
 HSEC8-137-01-XX-DV-A-L SHOWN
 AVAILABLE IN -13, -25, -37 & -49 POSITIONS ONLY
 (NOT AVAILABLE FOR -GR TYPE USE)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
 (SOME FEATURES NOT SHOWN FOR CLARITY)
 (** = AVAILABLE ONLY WITH -01 CARD THICKNESS)

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

DESCRIPTION:

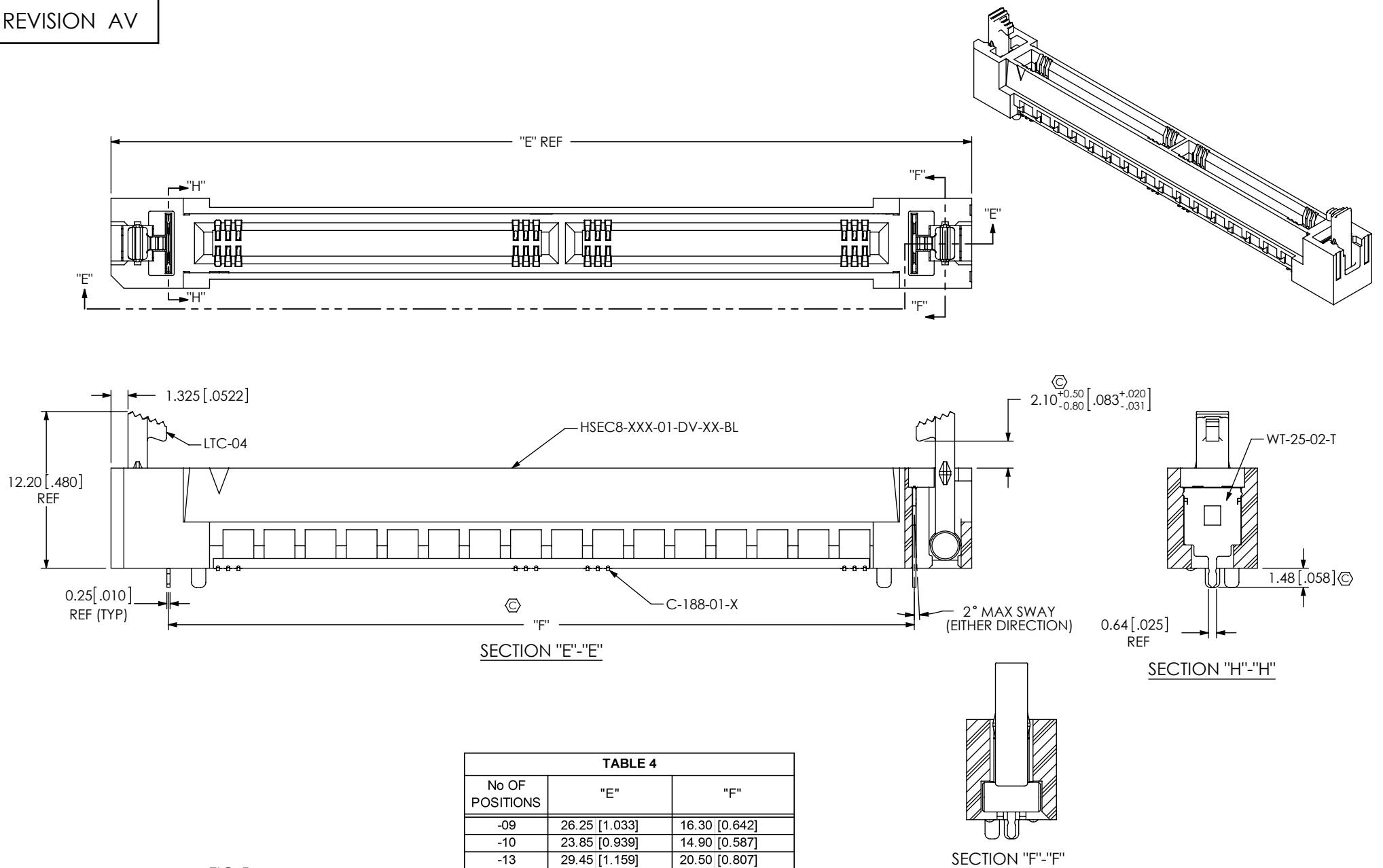
0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.

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

BY: BRATCHER 01/24/03

SHEET 4 OF 8



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	<p>DESCRIPTION: 0.8mm HIGH SPEED EDGE CARD ASSEMBLY</p>	
	<p>DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX</p>	
	<p>BY: BRATCHER 01/24/03</p>	<p>SHEET 5 OF 8</p>

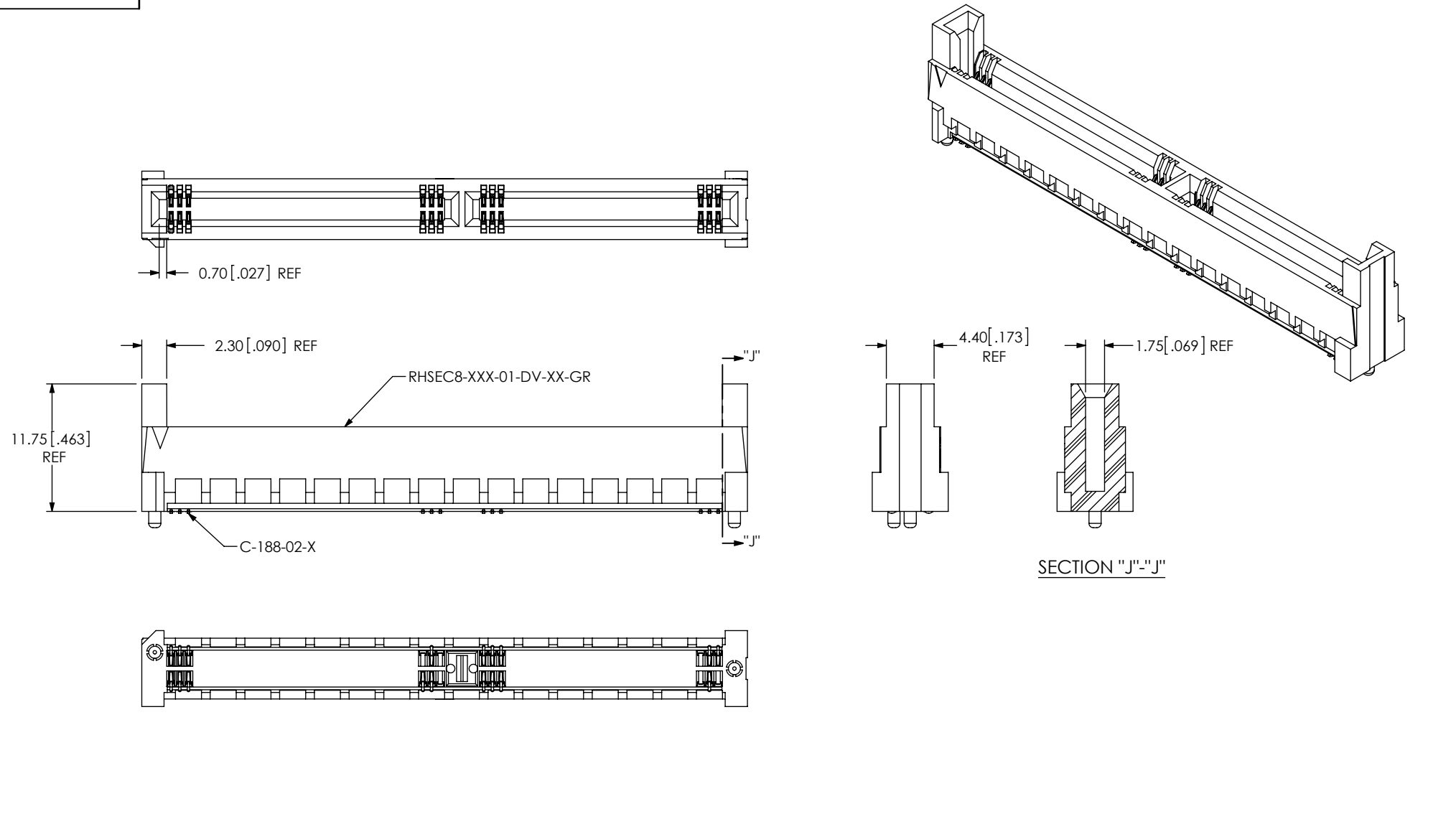


FIG 6
**-GR: GUIDE RAILS OPTION
HSEC8-160-01-XX-DV-A-GR SHOWN
AVAILABLE IN -10, -20, -30, -40, -50, & -60 POSITIONS ONLY
(NOT AVAILABLE FOR -L; -BL TYPE USE)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(SOME FEATURES NOT SHOWN FOR CLARITY)
(** = AVAILABLE ONLY WITH -01 CARD THICKNESS)

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	DESCRIPTION: 0.8mm HIGH SPEED EDGE CARD ASSEMBLY	
	DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX	
	BY: BRATCHER 01/24/03	SHEET 6 OF 8

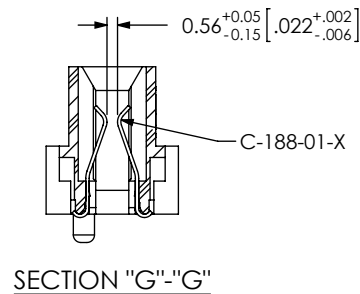
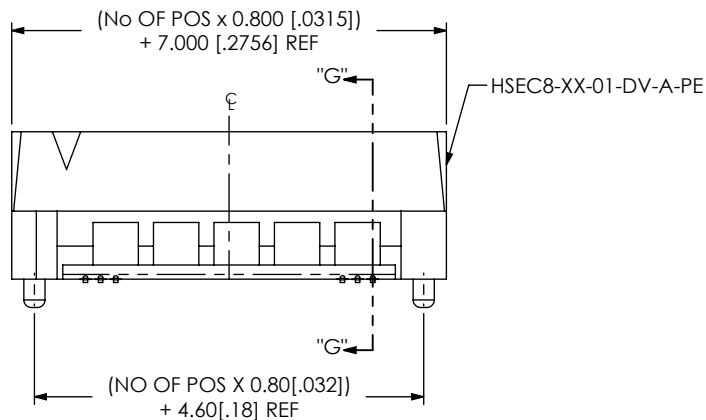


FIG 7
 ** -PE: PASS THROUGH OPTION
 HSEC8-120-01-XX-DV-A-PE SHOWN
 AVAILABLE IN -10, *-13 & -20 POSITIONS ONLY
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
 (SOME FEATURES NOT SHOWN FOR CLARITY)
 ** = AVAILABLE ONLY WITH -01 CARD THICKNESS
 *-13 IS A ONE BANK PART

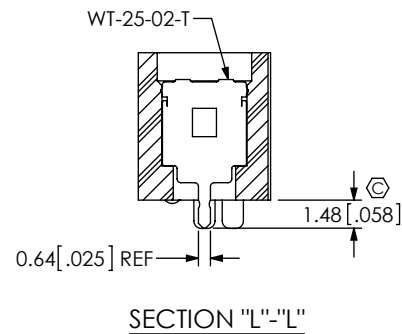
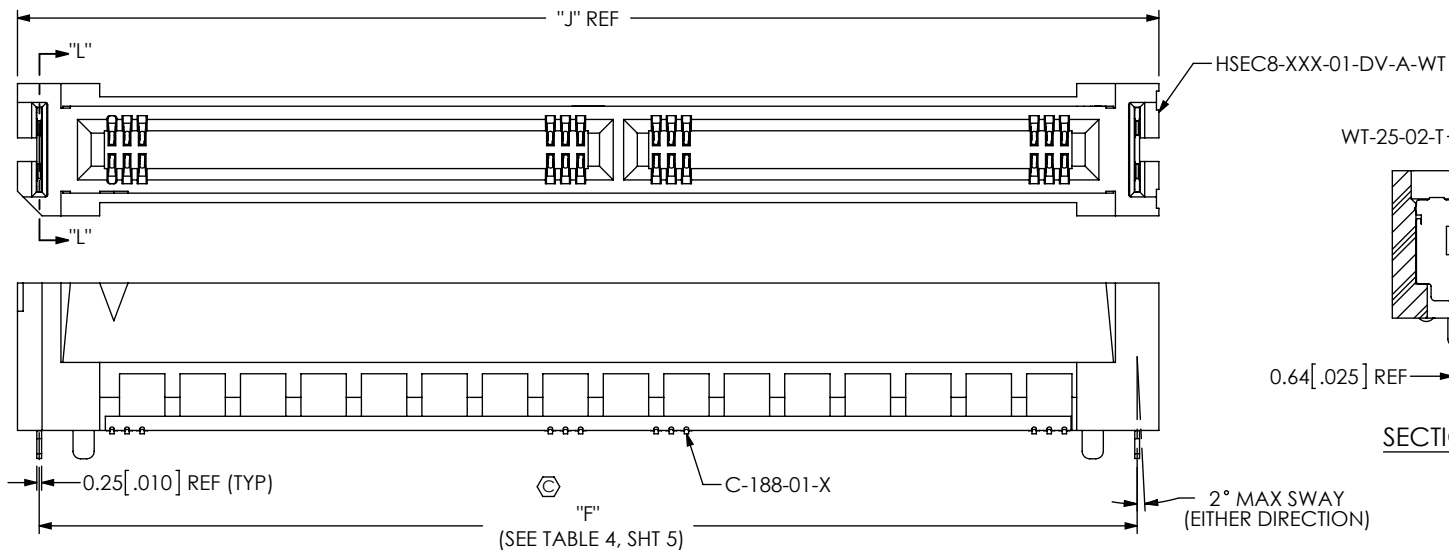
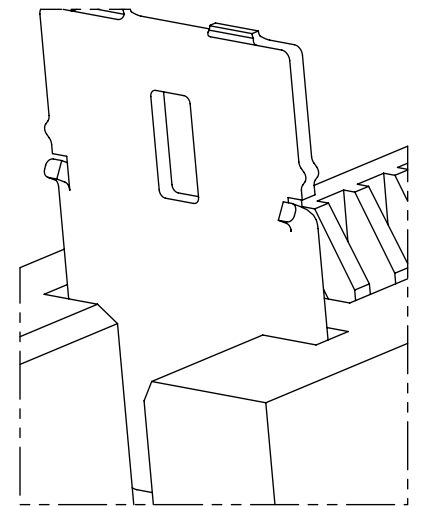
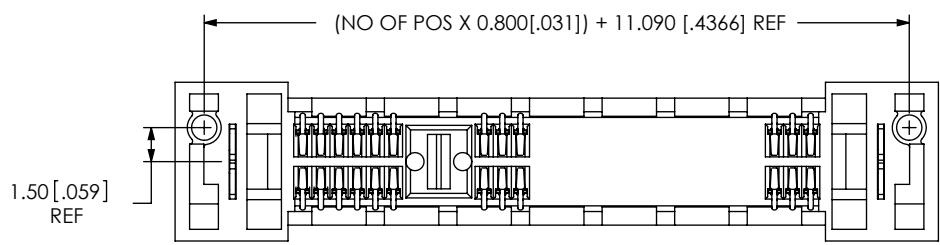
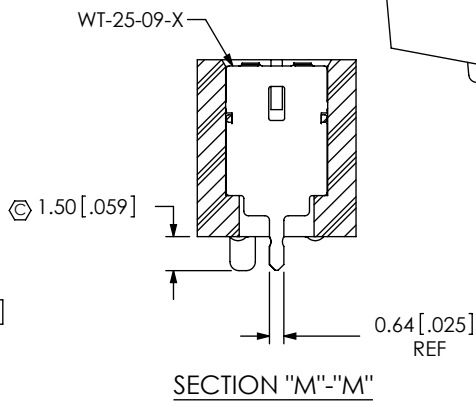
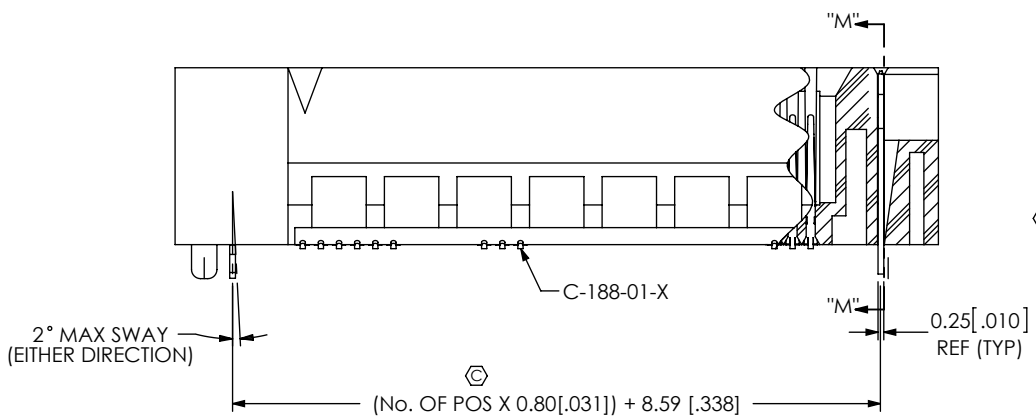
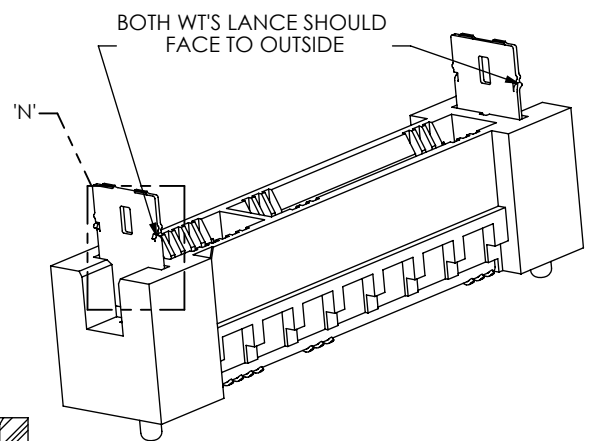
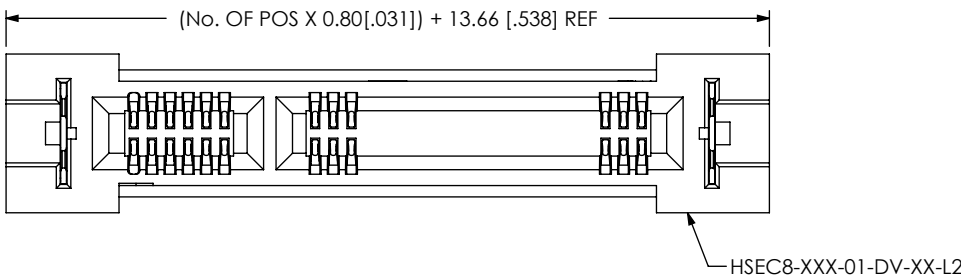


TABLE 7	
No OF POSITIONS	"J"
-09	19.60 [0.772]
-10	17.20 [0.677]
-13	22.80 [0.898]
-20	25.20 [0.992]
-25	32.40 [1.276]
-30	33.20 [1.307]
-37	42.00 [1.654]
-40	44.40 [1.748]
-49	51.60 [2.031]
-50	52.40 [2.063]
-60	60.40 [2.378]
-70	68.40 [2.693]
-80	76.40 [3.008]
-90	84.40 [3.323]
-100	92.40 [3.638]

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 2)
 (SOME FEATURES NOT SHOWN FOR CLARITY)
 ** = AVAILABLE ONLY WITH -01 CARD THICKNESS

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<p>DESCRIPTION: 0.8mm HIGH SPEED EDGE CARD ASSEMBLY</p>	
<p>DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX</p>	
BY: BRATCHER 01/24/03	SHEET 7 OF 8



SCALE 10:1

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 2)
(SOME FEATURES NOT SHOWN FOR CLARITY)
(** = AVAILABLE ONLY WITH -01 CARD THICKNESS)

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

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	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322</p>	
	<p>DESCRIPTION: 0.8mm HIGH SPEED EDGE CARD ASSEMBLY</p>	
	<p>DWG. NO. HSEC8-1XXX-XX-XX-DV-X-XX</p>	
<p>BY: BRATCHER 01/24/03</p>		<p>SHEET 8 OF 8</p>