REVISION F

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DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

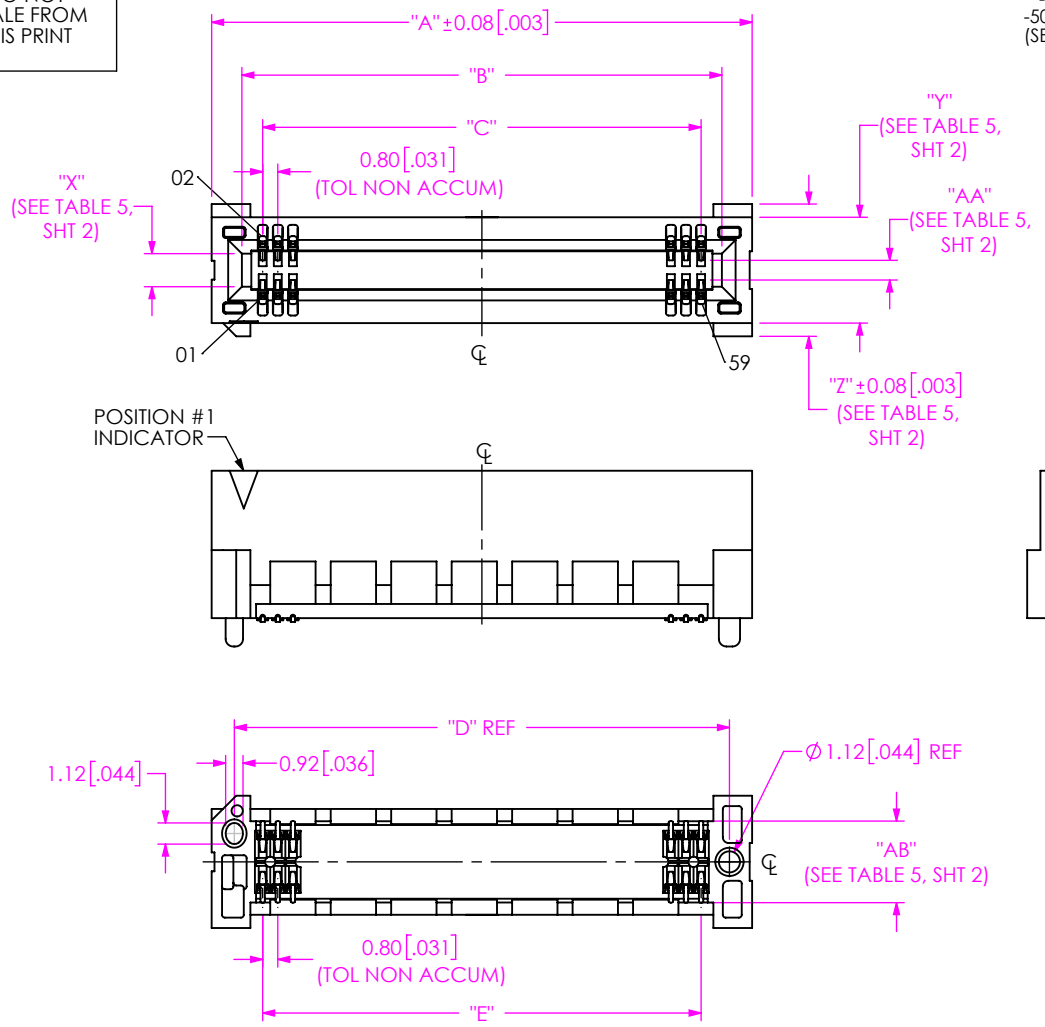


FIG 1
FOR POSITIONS -10, -20 & -30
HTEC8-130-01-X-DV-A SHOWN
(SOME FEATURES NOT SHOWN FOR CLARITY)

HTEC8-1XXX-XX-X-DV-XX-X-XX

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

CARD THICKNESS
(SEE TABLE 5, SHT 2)
-01: 1.57 mm CARD
* -03: 2.36 mm CARD

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

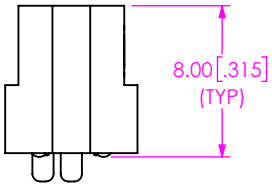
ROW SPECIFICATION
-DV: DOUBLE VERTICAL

(* = NOT TOOLED)
(** = ONLY AVAILABLE WITH -BL OPTION, NOT RELEASED WITHOUT -BL OPTION)

PACKAGING
BLANK: TRAY (SEE NOTES 2 & 7)
-TR: TAPE & REEL (SEE NOTES 7 & 9) (-09 THRU -70 POS ONLY)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 7 & 9) (-09 THRU -70 POS ONLY)

PICK & PLACE OPTION
-K: POLYAMIDE FILM (SEE FIG 3, SHT 2)

OPTIONS
BLANK: NO ALIGNMENT PIN (USE HTEC8-XXX-01-DV, ONLY AVAILABLE FOR -01 CARD THICKNESS)
-A: ALIGNMENT PIN (USE HTEC8-XXX-XX-DV-A)
-WT: WELD TAB (SEE FIG 4, SHT 3) (-A OPTION ONLY)
-BL: BOARD LOCK (SEE FIG 5, SHT 4) (-A OPTION ONLY)



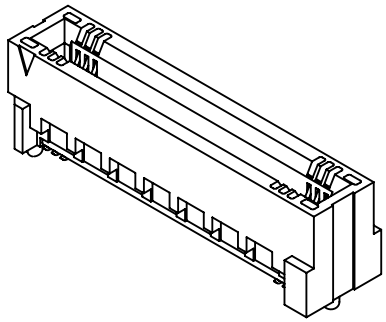


TABLE 1

No OF POS	COPLANARITY
-09 THRU -60	0.102 [.004]
-70 THRU -100	0.127 [.005]

TABLE 2

No OF POSITIONS	"A"	"B"	"C"	"D"	"E"
-10	12.60 [.496]	9.40 [.370]	7.20 [.283]	10.20 [.402]	7.20 [.283]
-20	20.60 [.811]	17.40 [.685]	15.20 [.598]	18.20 [.717]	15.20 [.598]
-30	28.60 [1.126]	25.400 [1.000]	23.200 [.913]	26.20 [1.031]	23.20 [.913]

NOTES:

1. MINIMUM PUSHOUT FORCE FOR SIGNALS AND SHIELD: 2.22N [.5 LB].
2. TRAYS ARE STANDARD PACKAGING.
3. NOTE DELETED.
4. K-DOT PROVIDED AS STANDARD.
5. MATING EDGE CARD THICKNESS TOLERANCE TO BE ± 10% OF NOMINAL.
6. MATING CARD MUST HAVE LEAD-IN. SEE SAMTEC FOOTPRINT FOR SPECIFICATIONS.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
8. NOTE DELETED.
9. ATTACH LABEL -4X2 TO EACH REEL.

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MATERIAL:
INSULATOR: LCP,
COLOR: -01 CARD THICKNESS BLACK,
*-03 CARD THICKNESS NATURAL
CONTACT: COPPER ALLOY

F:\DWG\MISC\MKTG\HTEC8-1XXX-XX-X-DV-XX-X-XX-MKT.SLDDRW

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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.
HTEC8-1XXX-XX-X-DV-XX-X-XX

BY: JERRY SU 08/11/2018 SHEET 1 OF 4

REVISION F

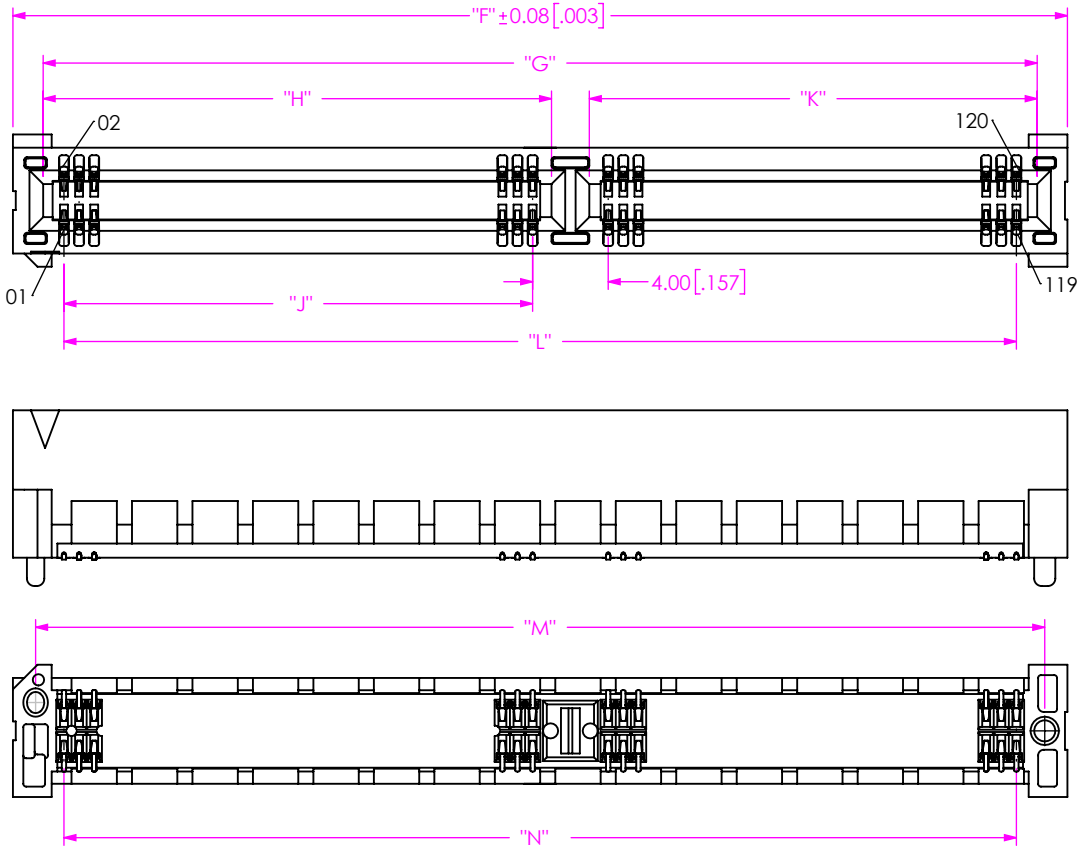


FIG 2
FOR POSITIONS -09, -13, -25, -37,
-40, -49, -50, -60,-70, -80, -90, -100
HTEC8-160-01-X-DV-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME FEATURES NOT SHOWN FOR CLARITY)

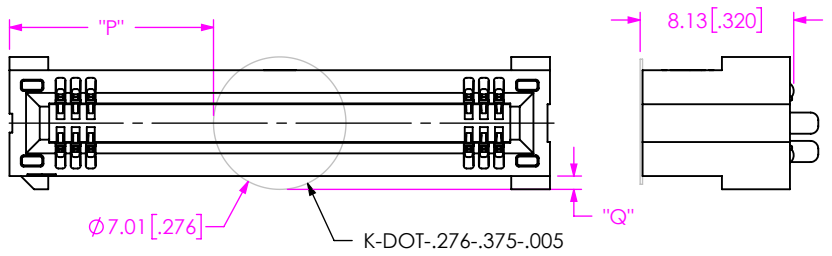


FIG 3
-K OPTION
(SOME FEATURES NOT SHOWN FOR CLARITY)

TABLE 4

OPTION 2	No OF POS	"P"
NONE	-10 THRU -30	(("A" - 7.01[.276]) / 2)
	-09, -13,-25, -37, -40 THRU -100	(("F" - 7.01[.276]) / 2)
-WT	-10 THRU -30	(("S" - 7.01[.276]) / 2)
	-09, -13, -25, -37, -40 THRU -100	
-BL	-10 THRU -30	(("U" - 7.01[.276]) / 2)
	-09, -13, -25, -37, -40 THRU -100	

TABLE 5

CARD THICKNESS	"Q"	"X"	"Y"	"Z"	"AA"	"AB"
-01	0.71 [.028]	1.75 [.069]	5.60 [.220]	7.00 [.276]	1.04 [.041]	4.32 [.170]
-03	0.31 [.012]	2.54 [.100]	6.39 [.252]	7.79 [.307]	1.8 [.072]	5.11 [.201]

TABLE 3

No OF POSITIONS	"F"	"G"	"H"	"J"	"K"	"L"	"M"	"N"
-09	15.00 [.591]	11.800 [.4646]	4.500 [.1772]	2.400 [.094]	5.30 [.209]	9.60 [.378]	12.60 [.496]	9.60 [.378]
-13	18.20 [.717]	15.000 [.5906]	6.100 [.2402]	4.000 [.157]	6.90 [.272]	12.80 [.504]	15.80 [.622]	12.80 [.504]
-25	27.80 [1.094]	24.600 [.9685]	6.100 [.2402]	4.000 [.157]	16.50 [.650]	22.40 [.882]	25.40 [1.000]	22.40 [.882]
-37	37.40 [1.472]	34.200 [1.3465]	18.100 [.7126]	16.000 [.630]	14.10 [.555]	32.00 [1.260]	35.00 [1.378]	32.00 [1.260]
-40	39.80 [1.567]	36.600 [1.4409]	18.900 [.7441]	16.800 [.661]	15.70 [.618]	34.40 [1.354]	37.40 [1.472]	34.40 [1.354]
-49	47.00 [1.850]	43.800 [1.7244]	22.900 [.9016]	20.800 [.819]	18.90 [.744]	41.60 [1.638]	44.60 [1.756]	41.60 [1.638]
-50	47.80 [1.882]	44.600 [1.7559]	22.900 [.9016]	20.800 [.819]	19.70 [.776]	42.40 [1.669]	45.40 [1.787]	42.40 [1.669]
-60	55.80 [2.197]	52.600 [2.0709]	26.900 [1.0591]	24.800 [.976]	23.70 [.933]	50.40 [1.984]	53.40 [2.102]	50.40 [1.984]
-70	63.80 [2.512]	60.600 [2.3858]	26.900 [1.0591]	24.800 [.976]	31.70 [1.248]	58.40 [2.299]	61.40 [2.417]	58.40 [2.299]
-80	71.80 [2.827]	68.600 [2.7008]	26.900 [1.0591]	24.800 [.976]	39.70 [1.563]	66.40 [2.614]	69.40 [2.732]	66.40 [2.614]
-90	79.80 [3.142]	76.600 [3.0157]	26.900 [1.0591]	24.800 [.976]	47.70 [1.878]	74.40 [2.929]	77.40 [3.047]	74.40 [2.929]
-100	87.80 [3.457]	84.600 [3.3307]	26.900 [1.0591]	24.800 [.976]	55.70 [2.193]	82.40 [3.244]	85.40 [3.362]	82.40 [3.244]

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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.
HTEC8-1XXX-XX-X-DV-XX-X-XX

BY: JERRY SU 08/11/2018 SHEET 2 OF 4

REVISION F

TABLE 6		
No OF POS	"S"	"T"
-09	19.60 [.772]	17.30 [.681]
-10	17.20 [.677]	14.90 [.587]
-13	22.80 [.898]	20.50 [.807]
-20	25.20 [.992]	22.90 [.902]
-25	32.40 [1.276]	30.10 [1.185]
-30	33.20 [1.307]	30.90 [1.217]
-37	42.00 [1.654]	39.70 [1.563]
-40	44.40 [1.748]	42.10 [1.657]
-49	51.60 [2.031]	49.30 [1.941]
-50	52.40 [2.063]	50.10 [1.972]
-60	60.40 [2.378]	58.10 [2.287]
-70	68.40 [2.693]	66.10 [2.602]
-80	76.40 [3.008]	74.10 [2.917]
-90	84.40 [3.323]	82.10 [3.232]
-100	92.40 [3.638]	90.10 [3.547]

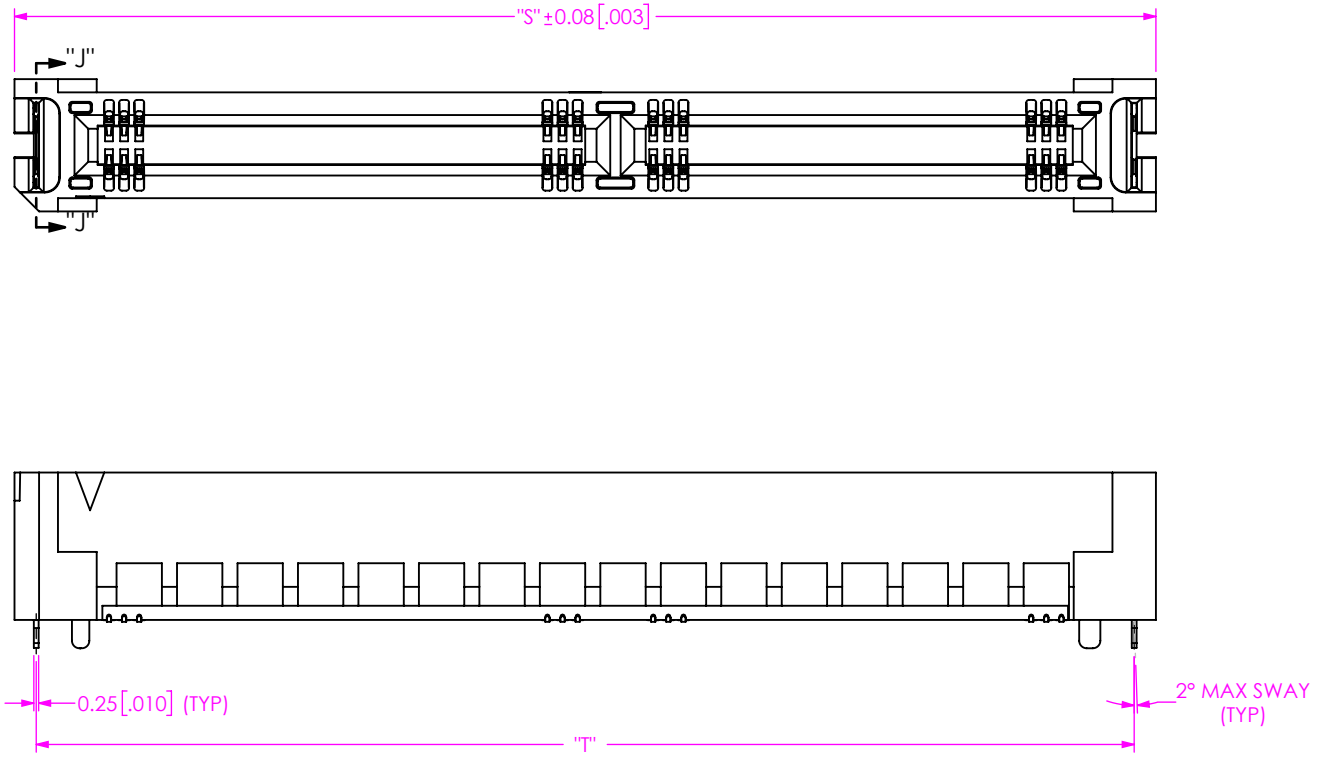


FIG 4
-WT: WELD TAB OPTION
HTEC8-160-01-X-DV-A-WT SHOWN
AVAILABLE IN ALL POSITIONS
(-A OPTION REQUIRED)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(SOME FEATURES NOT SHOWN FOR CLARITY)

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BY: JERRY SU 08/11/2018 SHEET 3 OF 4

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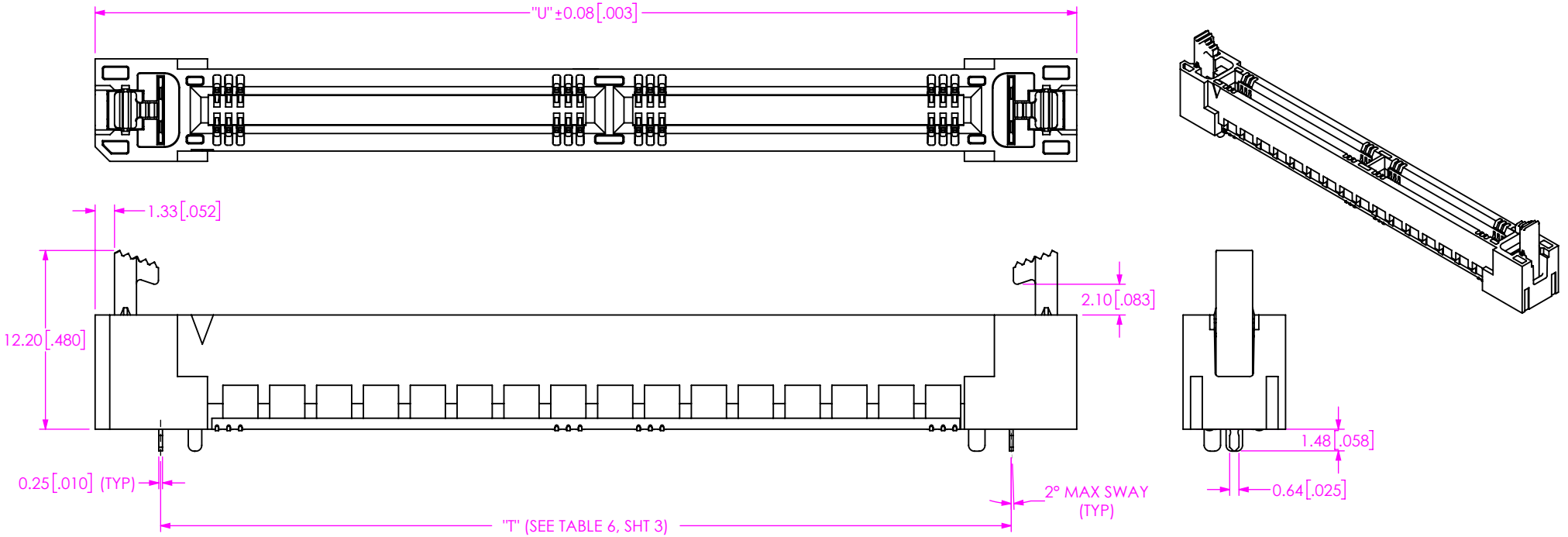


FIG 5
-BL: BOARD LOCK OPTION
HTEC8-160-01-X-DV-A-BL SHOWN
(FOR -09, -13, -25, -37, -40, -49, -50, -60, -70, -80, -90 & -100 POSITIONS DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)
(FOR -10, -20 & -30 POSITIONS DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME FEATURES NOT SHOWN FOR CLARITY)
(AVAILABLE IN ALL POSITIONS)

TABLE 7		
No OF POS	"U"	
-09	26.25	[1.033]
-10	23.85	[.939]
-13	29.45	[1.159]
-20	31.85	[1.254]
-25	39.05	[1.537]
-30	39.85	[1.569]
-37	48.65	[1.915]
-40	51.05	[2.010]
-49	58.25	[2.293]
-50	59.05	[2.325]
-60	67.05	[2.640]
-70	75.05	[2.955]
-80	83.05	[3.270]
-90	91.05	[3.585]
-100	99.05	[3.900]

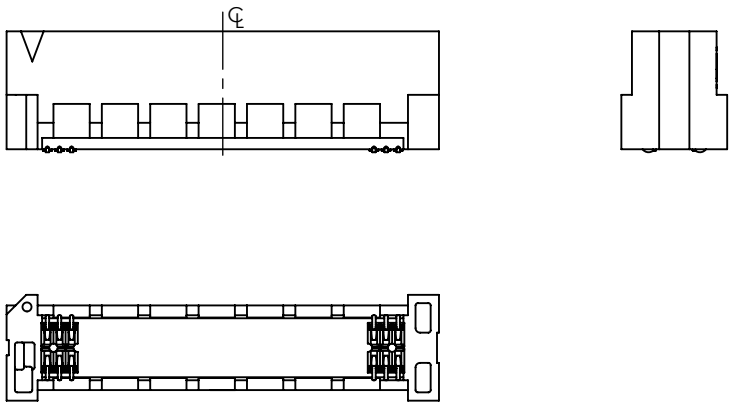


FIG 6
HTEC8-130-01-X-DV SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(SOME FEATURES NOT SHOWN FOR CLARITY)

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0.8mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HTEC8-1XXX-XX-X-DV-XX-X-XX

BY: JERRY SU 08/11/2018 SHEET 4 OF 4

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