

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

HSEC1-XXX-01-X-DV-XX-X-XX

No OF POSITIONS (PER ROW)  
 -010, -020, -030, -040, -050, -060, -070, \*-080, \*-090, \*-100

CARD THICKNESS  
 -01: FOR 1.57[.062] CARD

PACKAGING  
 BLANK: TRAY (SEE NOTES 7 & 9) (ONLY AVAILABLE FOR POS 070-100)  
 -TR: TAPE & REEL (SEE NOTES 7, 9 & 10) (REQUIRED FOR POS: 010-060)  
 -FR: FULL REEL QTY TAPE & REEL (SEE NOTES 7, 9 & 10) (REQUIRED FOR POS: 010-060)

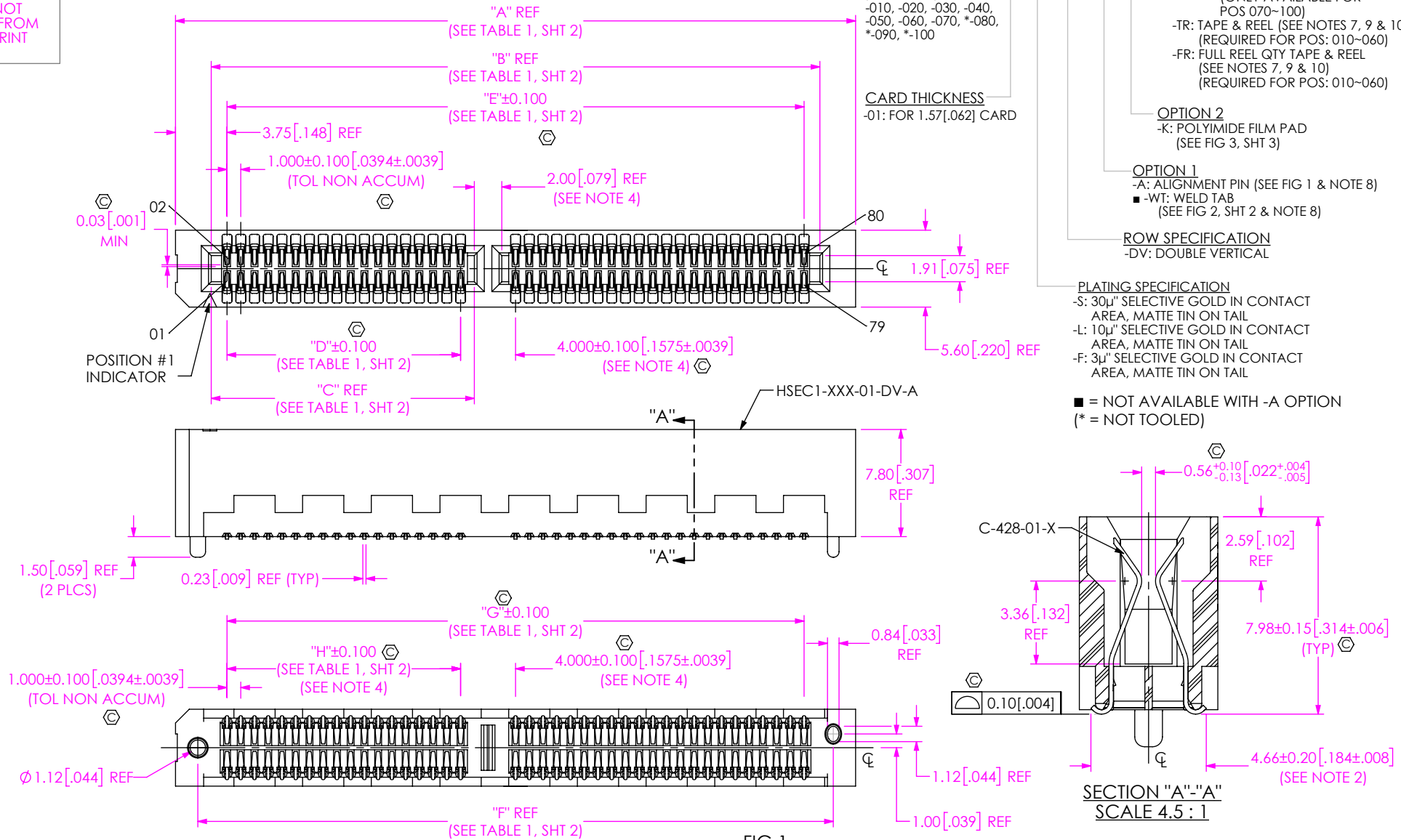
OPTION 2  
 -K: POLYIMIDE FILM PAD (SEE FIG 3, SHT 3)

OPTION 1  
 -A: ALIGNMENT PIN (SEE FIG 1 & NOTE 8)  
 -WT: WELD TAB (SEE FIG 2, SHT 2 & NOTE 8)

ROW SPECIFICATION  
 -DV: DOUBLE VERTICAL

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

■ = NOT AVAILABLE WITH -A OPTION  
 (\* = NOT TOOLED)



NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. DIMENSIONS MEASURED TIP TO TIP.
3. MATING CARD MUST HAVE LEAD-IN. SEE SAMTEC FOOTPRINT FOR SPECIFICATIONS.
4. POLARIZATION RIB IS NOT PRESENT ON -10, -20 & -30 POSITIONS.
5. MINIMUM PUSHOUT FORCE: SIGNAL: 2.2N, WELD TAB: 4.45N.
6. NOTE DELETED.
7. 010-060 POSITIONS PARTS TO BE PACKAGED IN TAPE & REEL, 070-100 POSITIONS PARTS TO BE PACKAGED IN TRAY.
8. PART MUST HAVE EITHER -A OR -WT AS REQUIRED, -A NOT AVAILABLE WITH -WT OPTION.
9. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
10. ATTACH LABEL TO EACH REEL.

FIG 1  
 HSEC1-040-01-X-DV-A SHOWN

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.		* PROPRIETARY NOTE	
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DECIMALS	ANGLES		
X.X: ±0.3 [0.1]	2°		
X.XX: ±0.13 [0.005]			
X.XXX: ±0.051 [0.0020]			
MATERIAL:	DO NOT SCALE DRAWING	SHEET SCALE: 3:1	
INSULATOR: LCP, UL 94 V0, COLOR: BLACK			
CONTACT: PHOS BRONZE			
WELD TAB: BRASS ALLOY			
F:\DWG\MISC\MKTG\HSEC1-XXX-01-X-DV-XX-X-XX\MKT.SLDDRW			

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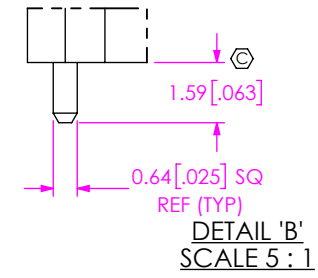
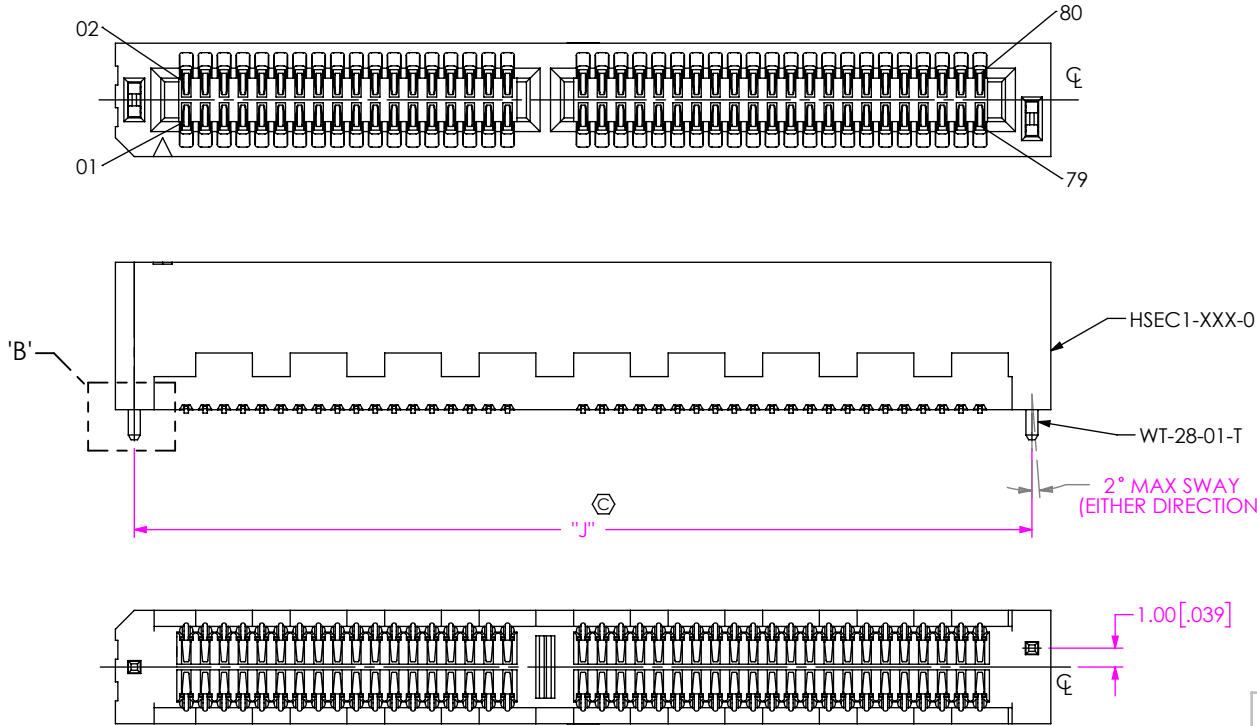
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code 53322

DESCRIPTION:  
 1.00mm DV HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.  
**HSEC1-XXX-01-X-DV-XX-X-XX**

BY: SHERRY W 1/21/2016 SHEET 1 OF 3

NO OF POS	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
-010	16.50 [.650]	11.30 [.445]	N/A	N/A	9.000 [.3543]	13.25 [.5217]	9.000 [.3543]	N/A
-020	26.50 [1.043]	21.30 [.839]	N/A	N/A	19.000 [.7480]	23.25 [.9154]	19.000 [.7480]	N/A
-030	36.50 [1.437]	31.30 [1.232]	N/A	N/A	29.000 [1.1417]	33.25 [1.309]	29.000 [1.1417]	N/A
-040	49.50 [1.949]	44.30 [1.744]	19.15 [.7539]	17.000 [.6693]	42.000 [1.6535]	46.25 [1.821]	42.000 [1.6535]	17.000 [0.6693]
-050	59.50 [2.343]	54.30 [2.138]	24.15 [.9508]	22.000 [.8661]	52.000 [2.0472]	56.25 [2.215]	52.000 [2.0472]	22.000 [0.8661]
-060	69.50 [2.736]	64.30 [2.531]	29.15 [1.148]	27.000 [1.0630]	62.000 [2.4409]	66.25 [2.608]	62.000 [2.4409]	27.000 [1.0630]
-070	79.50 [3.130]	74.30 [2.925]	34.15 [1.344]	32.000 [1.2598]	72.000 [2.8346]	76.25 [3.002]	72.000 [2.8346]	32.000 [1.2598]
-080	89.50 [3.524]	84.30 [3.319]	39.15 [1.541]	37.000 [1.4567]	82.000 [3.2283]	86.25 [3.396]	82.000 [3.2283]	37.000 [1.4567]
-090	99.50 [3.917]	94.30 [3.713]	44.15 [1.738]	42.000 [1.6535]	92.000 [3.6220]	96.25 [3.789]	92.000 [3.6220]	42.000 [1.6535]
-100	109.50 [4.311]	104.30 [4.106]	49.15 [1.935]	47.000 [1.8504]	102.000 [4.0157]	106.25 [4.183]	102.000 [4.0157]	47.000 [1.8504]



No OF POS	"J"
-010	14.50 [.571]
-020	24.50 [.965]
-030	34.50 [1.358]
-040	47.50 [1.870]
-050	57.50 [2.264]
-060	67.50 [2.657]
-070	77.50 [3.051]
-080	87.50 [3.445]
-090	97.50 [3.839]
-100	107.50 [4.232]

FIG 2  
HSEC1-040-01-X-DV-WT SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1

DESCRIPTION:  
1.00mm DV HIGH SPEED EDGE CARD ASSEMBLY

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BY: SHERRY W 1/21/2016 SHEET 2 OF 3

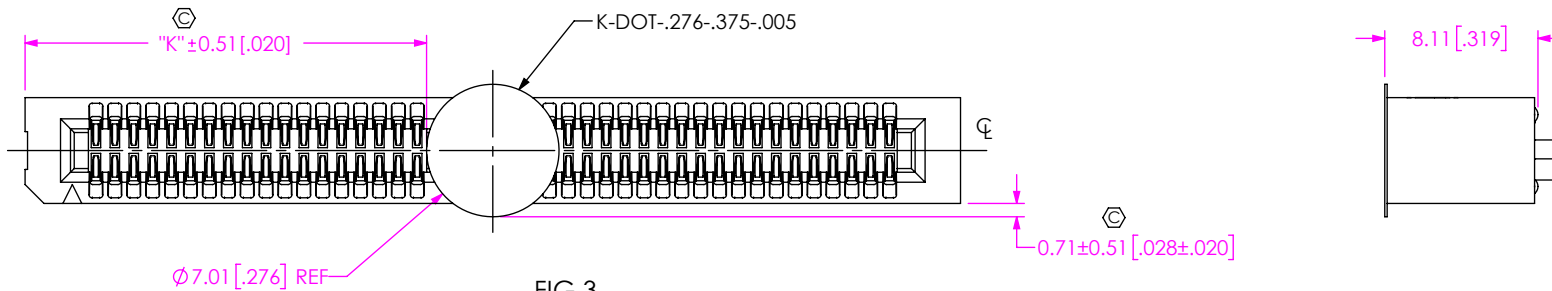


FIG 3  
HSEC1-040-01-X-DV-A-K SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 3	
No OF POS	"K"
-010	4.74 [.187]
-020	9.74 [.383]
-030	14.74 [.580]
-040	21.24 [.836]
-050	26.24 [1.033]
-060	31.24 [1.230]
-070	36.24 [1.427]
-080	41.24 [1.624]
-090	46.24 [1.820]
-100	51.24 [2.017]

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