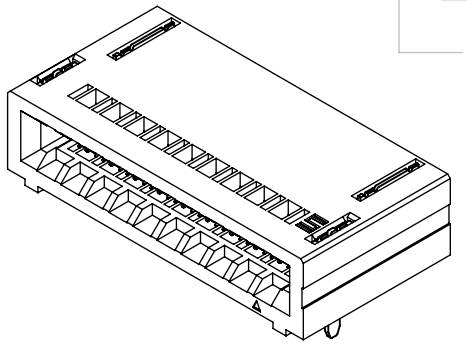
REVISION A

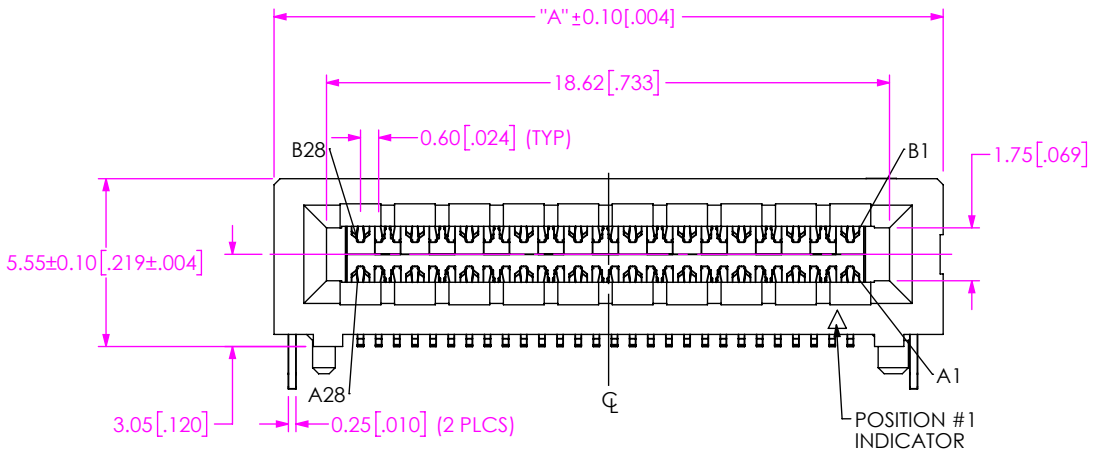
DESIGNED AND DIMENSIONED IN INCHES[MILLIMETERS]
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN

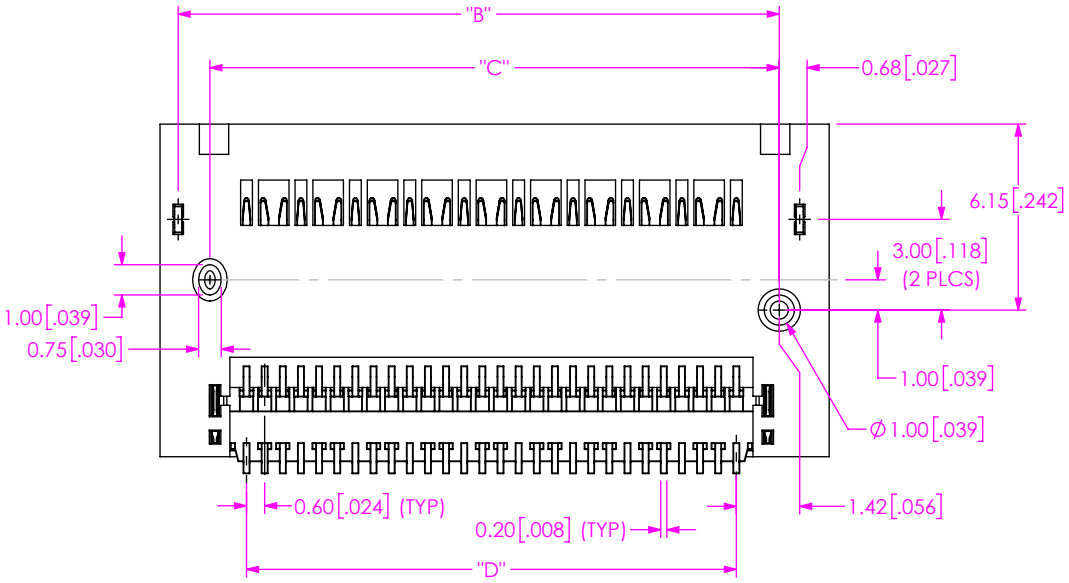
HSEC6-XXX-XX-X-RA-X-WT-XR

- No OF POSITIONS: -028, -042, -070, *-084 (PER ROW)
- CARD THICKNESS: -01: 1.57[.062] CARD
- TAPE & REEL (SEE NOTES 2 & 3): -TR: TAPE & REEL; -FR: FULL REEL QTY TAPE & REEL
- WELD TAB
- OPTION: BLANK: NO SHIELD; -S: SHIELD(SEE FIG 5, SHT 6)
- RIGHT ANGLE
- PLATING SPECIFICATION: -S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL

(* = NOT TOOLED)







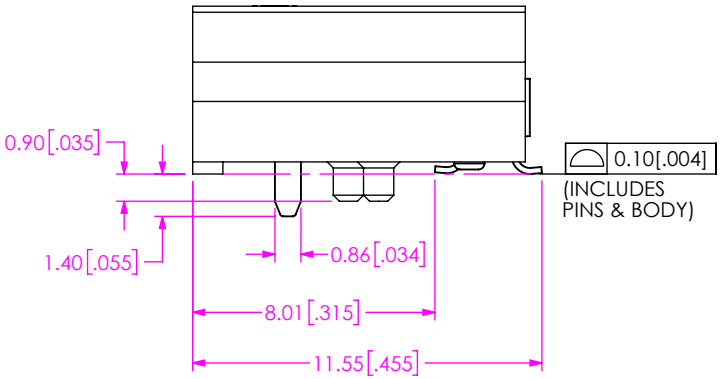


FIG 1
HSEC6-028-01-X-RA-WT-XR SHOWN

TABLE 1

No OF POS	"A"	"B"	"C"	"D"
-028	22.13 [.871]	19.880 [.7827]	18.830 [.7413]	16.200 [.6378]
-042	33.85 [1.333]	31.600 [1.2441]	30.545 [1.2026]	28.010 [1.1028]
-070	55.20 [2.173]	52.640 [2.0724]	51.965 [2.0459]	49.120 [1.9339]
-084	67.44 [2.655]	64.840 [2.5528]	64.165 [2.5262]	61.315 [2.4140]

NOTES:
1. TAPE & REEL IS STANDARD PACKAGING.
2. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
3. ATTACH LABEL-4X2 TO EACH REEL.
4. THIS TABLE DENOTES "SIG" OR "GND" PIN GEOMETRY LOCATIONS. GROUNDS ARE NOT BUSSED TOGETHER IN THE CONNECTOR AND WILL ONLY BE BUSSED TOGETHER IF THE PCB IS DESIGNED AS SUCH.

DO NOT SCALE DRAWING
MATERIAL: SHEET SCALE: 4:1
INSULATOR: LCP, COLOR: BLACK
CONTACTL: CU ALLOY
SHIELD: PHOS BRONZE

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:
0.6mm HIGH SPEED EDGE CARD ASSEMBLY
DWG. NO.
HSEC6-XXX-XX-X-RA-X-WT-XR

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BY: JACK Z 10/14/2020 SHEET 1 OF 6

REVISION A

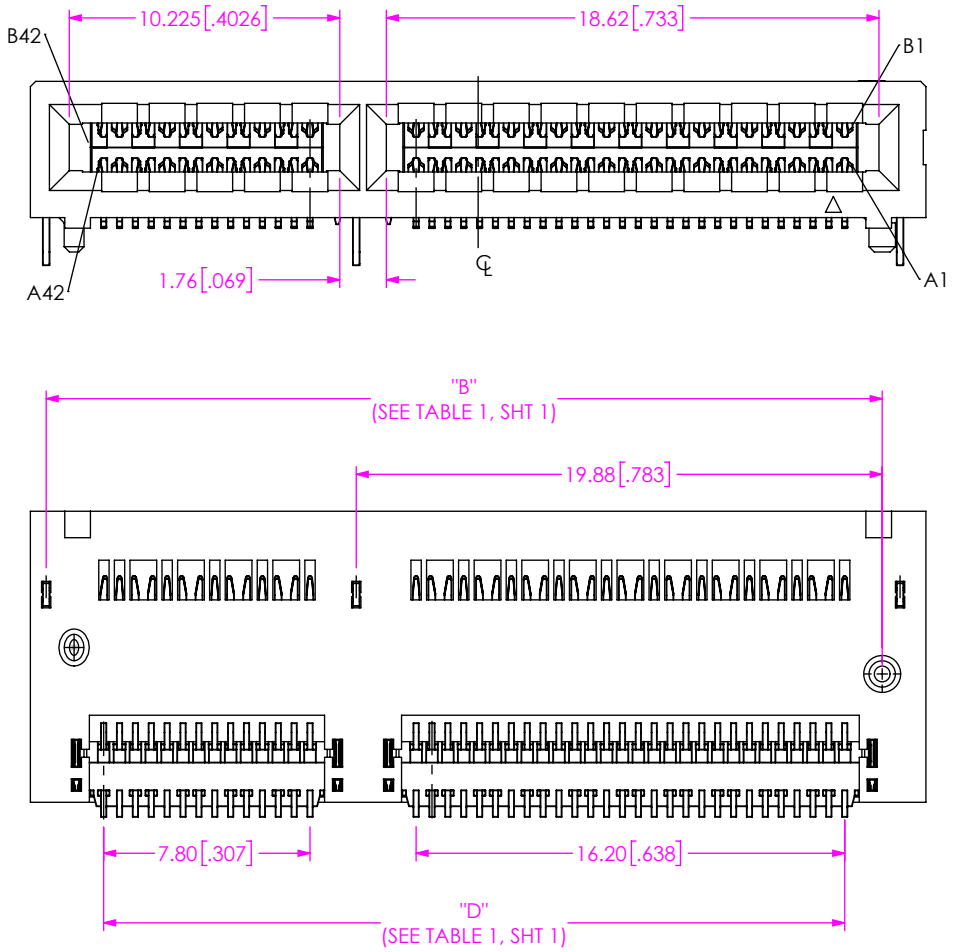

FIG 2
HSEC6-042-01-X-RA-WT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

DESCRIPTION:
0.6mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC6-XXX-XX-X-RA-X-WT-XR

BY: JACK Z 10/14/2020 SHEET 2 OF 6

F:\DWG\SW\Exisprod\Assembly\Point6mm\HSEC6-XXX-XX-X-RA-X-WT-XR.SLDDRW

REVISION A

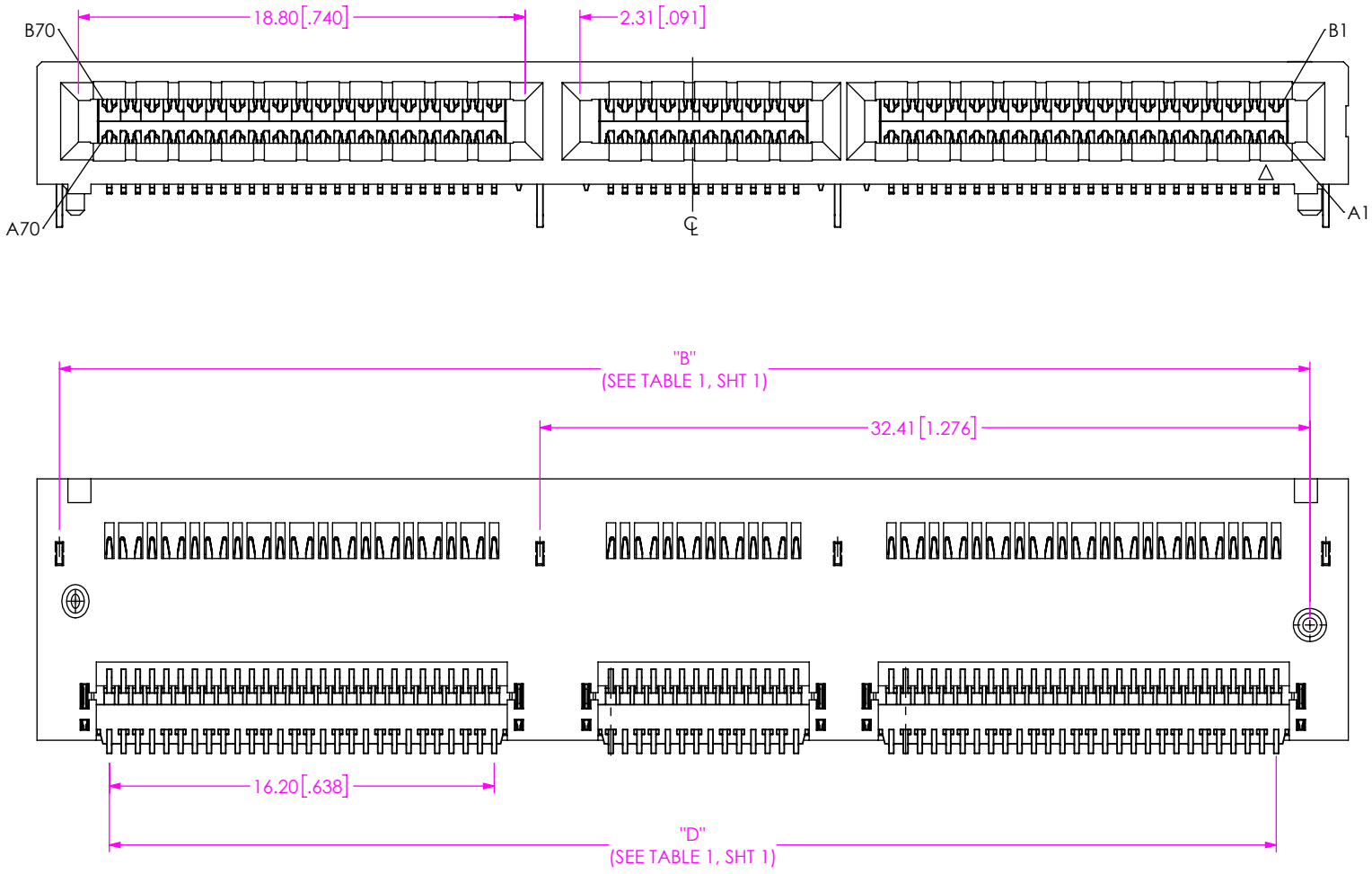

FIG 3
HSEC6-070-01-X-RA-WT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

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

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

DESCRIPTION:
0.6mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC6-XXX-XX-X-RA-X-WT-XR

BY: JACK Z 10/14/2020 SHEET 3 OF 6

F:\DWG\SW\Exisprod\Assembly\Point6mm\HSEC6-XXX-XX-X-RA-X-WT-XR.SLDDRW

REVISION A

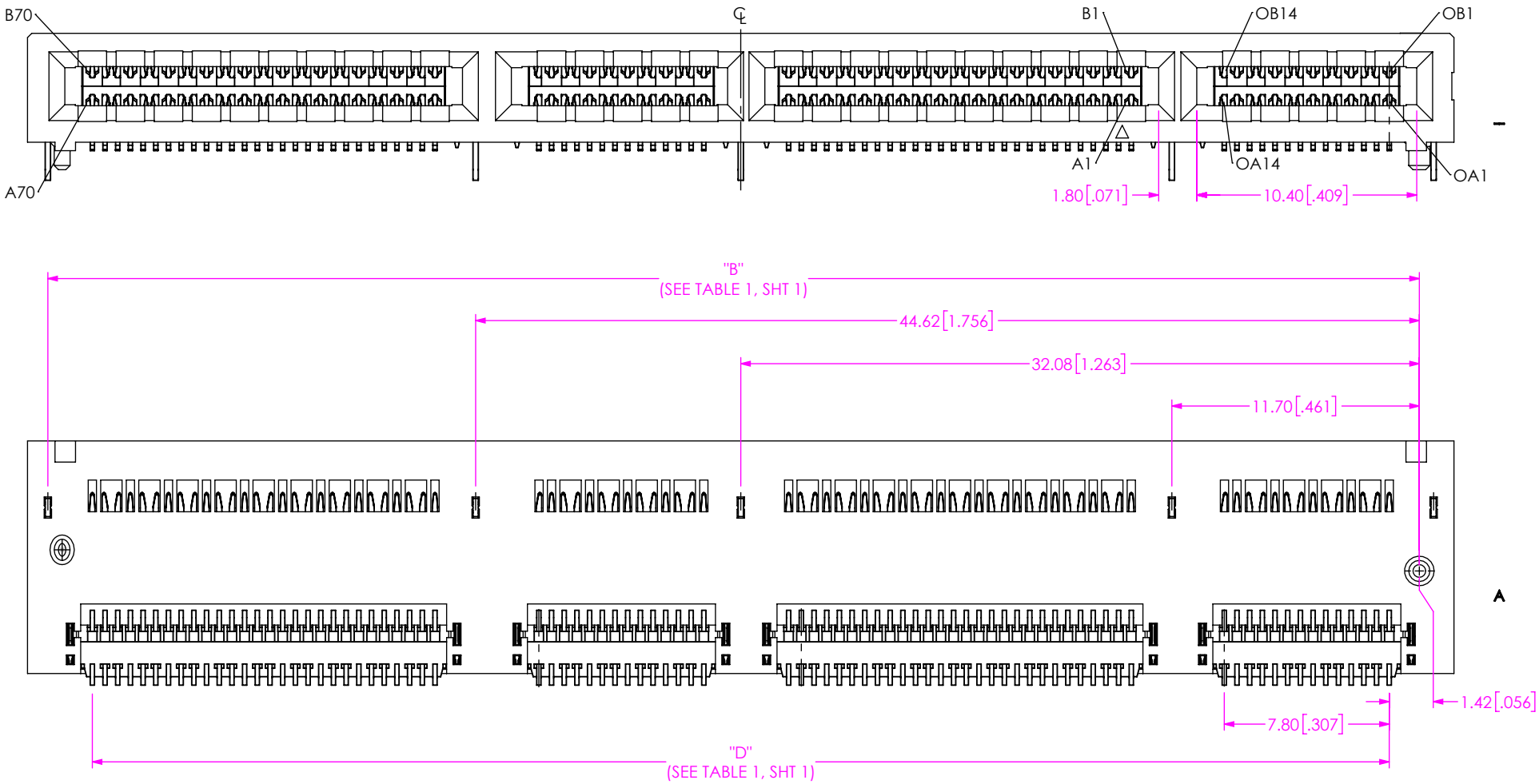

FIG 4
HSEC6-084-01-X-RA-WT SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 3)

DO NOT SCALE DRAWING

SHEET SCALE: 4:1

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

DESCRIPTION:
0.6mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC6-XXX-XX-X-RA-X-WT-XR

BY: JACK Z 10/14/2020 SHEET 4 OF 6

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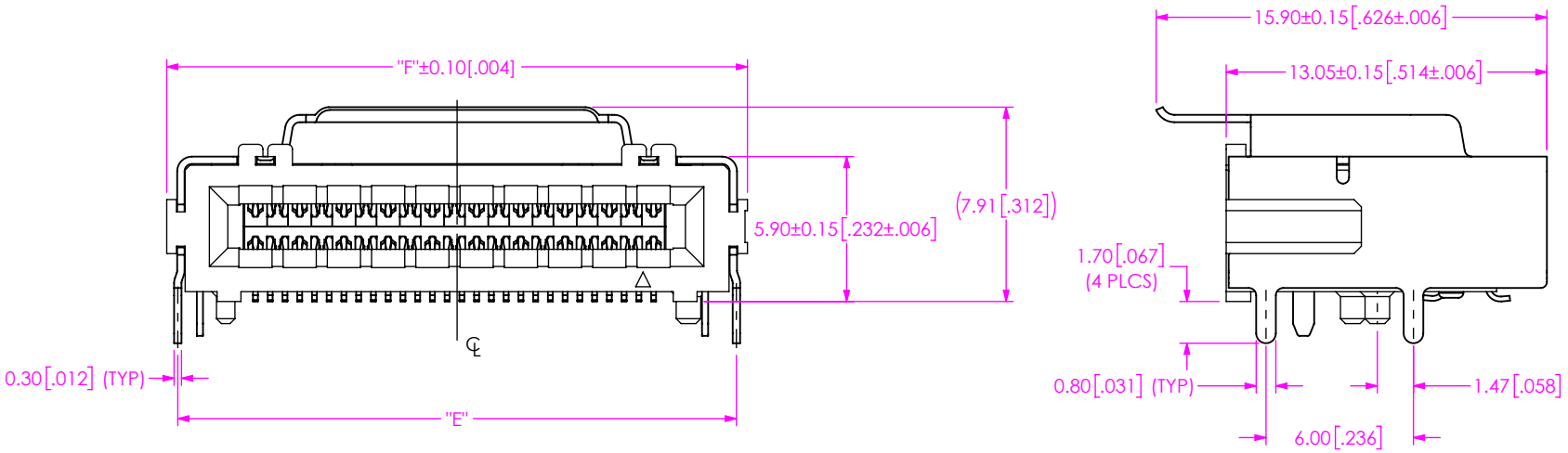
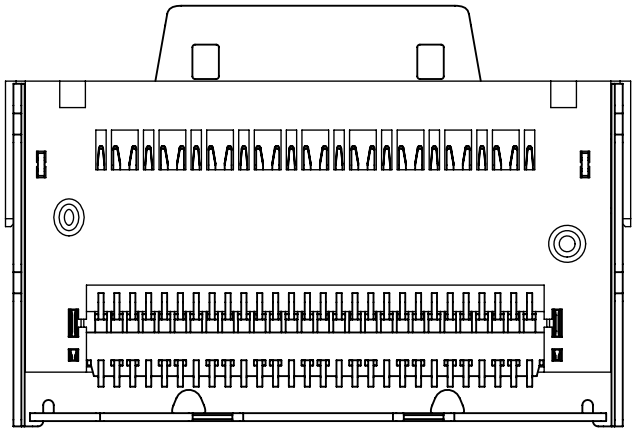
REVISION A





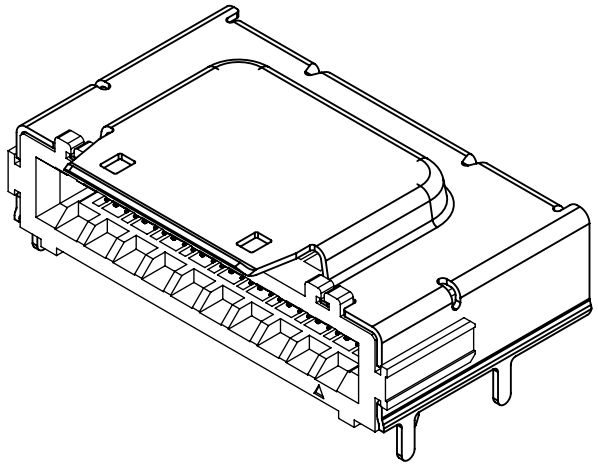


TABLE 3		
No OF POS	"E"	"F"
-028	22.73 [.895]	23.78 [.936]
-042	34.45 [1.356]	35.50 [1.398]
-070	55.87 [2.200]	56.92 [2.241]
-084	68.12 [2.682]	69.17 [2.723]

FIG 5
HSEC6-028-01-X-RA-S-WT-XR SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail info@SAMTEC.com code 55322

DO NOT SCALE DRAWING

SHEET SCALE: 5:1

DESCRIPTION:
0.6mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC6-XXX-XX-X-RA-X-WT-XR

BY: JACK Z 10/14/2020 SHEET 5 OF 6

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REVISION A

Pin Geometry Pattern (28 POSITION (1C))
(SEE NOTE 4)

	POSITIONS																										
SIDE A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NAME	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND
SIDE B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

Users should refer to the SFF-TA-1002 standard for formal guidance on signal mapping naming.

Pin Geometry Pattern (42 POSITION (2C))
(SEE NOTE 4)

	POSITIONS																											
SIDE A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
NAME	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND
SIDE B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
SIDE A	29	30	31	32	33	34	35	36	37	38	39	40	41	42														
NAME	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG														
SIDE B	29	30	31	32	33	34	35	36	37	38	39	40	41	42														

Users should refer to the SFF-TA-1002 standard for formal guidance on signal mapping naming.

Pin Geometry Pattern (70 POSITION (4C))
(SEE NOTE 4)

	POSITIONS																																		
SIDE A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30	31	32	33	34	35
NAME	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND		GND	SIG	SIG	GND	SIG	SIG	GND
SIDE B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30	31	32	33	34	35
SIDE A	36	37	38	39	40	41	42		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
NAME	SIG	SIG	GND	SIG	SIG	GND	SIG		GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND
SIDE B	36	37	38	39	40	41	42		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70

Users should refer to the SFF-TA-1002 standard for formal guidance on signal mapping naming.

Pin Geometry Pattern (84 POSITION (4C+))
(SEE NOTE 4)

	POSITIONS																																		
SIDE A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30	31	32	33	34	35
NAME	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND		GND	SIG	SIG	GND	SIG	SIG	GND
SIDE B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30	31	32	33	34	35
SIDE A	36	37	38	39	40	41	42		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
NAME	SIG	SIG	GND	SIG	SIG	GND	SIG		GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND
SIDE B	36	37	38	39	40	41	42		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
SIDE A		OA1	OA2	OA3	OA4	OA5	OA6	OA7	OA8	OA9	OA10	OA11	OA12	OA13	OA14																						
NAME		GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	SIG	SIG	GND	GND																						
SIDE B		OB1	OB2	OB3	OB4	OB5	OB6	OB7	OB8	OB9	PB10	OB11	OB12	OB13	OB14																						

Users should refer to the SFF-TA-1002 standard for formal guidance on signal mapping naming.

SHEET SCALE: 1:2

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
0.6mm HIGH SPEED EDGE CARD ASSEMBLY

DWG. NO.
HSEC6-XXX-XX-X-RA-X-WT-XR

BY: JACK Z 10/14/2020 SHEET 6 OF 6

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