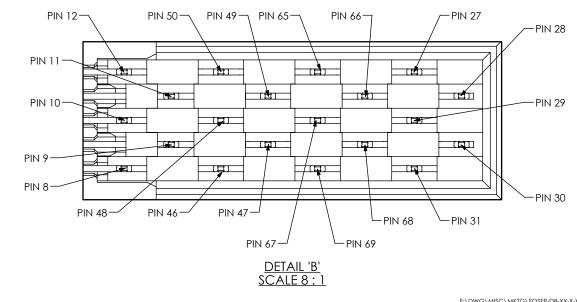


TABLE1												
SIGNAL MAPPING TO ARC6 (END OPTION -1)												
J1	NAME	J2	J1	NAME	J2		J1	NAME	J2	J1	NAME	J2
1	GND 1	49	20	GND 2	50		39	GND 1	37	58	GND 2	38
2	TX2N	47	21	RX2N	46		40	TX6N	35	59	RX6N	34
3	TX2P	45	22	RX2P	48		41	TX6P	33	60	RX6P	36
4	GND 1	46	23	GND 2	44		42	GND 1	31	61	GND 2	32
5	TX4N	41	24	RX4N	40		43	TX8N	29	62	RX8N	28
6	TX4P	39	25	RX4P	42		44	TX8P	27	63	RX8P	30
7	GND 1		26	GND 2			45	GND 1		64	GND 2	
8	MODSELL	NC	27	MODPRSL	NC		46	RESERVED	NC	65	NC	NC
9	RESETL	NC	28	INTL	NC		47	VS1	NC	66	RESERVED	NC
10	VCCRX	NC	29	VCCTX	NC		48	VCCRX1	NC	67	VCCTX1	NC
11	SCL	NC	30	VCC1	NC		49	VS2	NC	68	VCC2	NC
12	SDA	NC	31	INITMODE	NC		50	VS3	NC	69	RESERVED	NC
13	GND 2	14	32	GND 1	13		51	GND 2	29	70	GND 1	19
14	RX3P	12	33	TX3P	9		52	RX7P	24	71	TX7P	21
15	RX3N	10	34	TX3N	11		53	RX7N	22	72	TX7N	23
16	GND 2	8	35	GND 1	1		54	GND 2	20	73	GND 1	25
17	RX1P	6	36	TX1P	3		55	RX5P	18	74	TX5P	15
18	RX1N	4	37	TX1N	5		56	RX5N	16	75	TX5N	17
19	GND 2	2	38	GND 1	7		57	GND 2		76	GND 1	

ALL LIKE NAMED GROUNDS ARE COMMON AND TIED TO CABLE SHIELD

ALL NC NETS DO NOT TRANSMIT THROUGH CABLE, THEY WILL ROUTE THROUGH CUSTOMER PCB

ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A GND REFERENCE TYING ALL GND'S TOGETHER



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DESCRIPTION:

FQSFP-D8 ASSEMBLY

DWG. NO. FQSFP-D8-XX-X-XX.X-X

BY: G. DETHY 04/15/2021 SHEET 2 OF 10

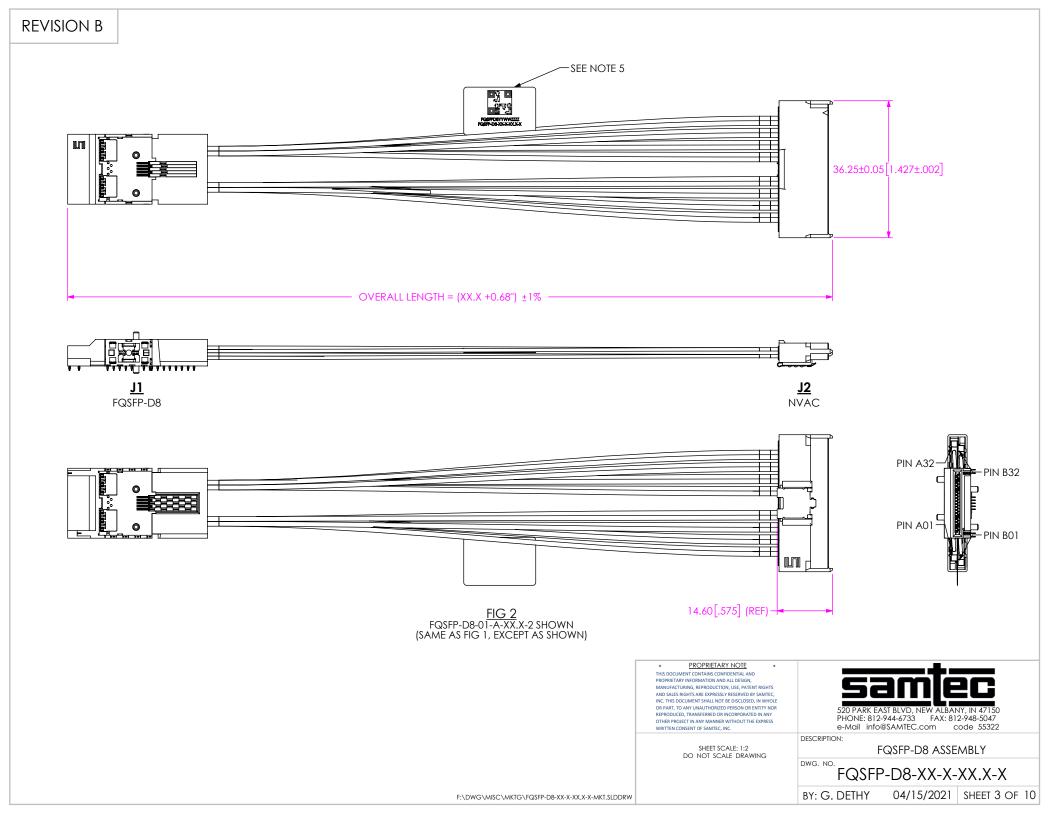


TABLE 2											
SIGNAL MAPPING TO NVAC (END OPTION -2)											
J1	NAME	J2	J1	NAME	J2	J1	NAME	J2	J1	NAME	J2
1	GND 1	GND	20	GND 2	GND	39	GND 1	<b>GND</b>	58	GND 2	GND
2	TX2N	B10	21	RX2N	A23	40	TX6N	B2	59	RX6N	A31
3	TX2P	B11	22	RX2P	A22	41	TX6P	B3	60	RX6P	A30
4	GND 1	GND	23	GND 2	GND	42	GND 1	GND	61	GND 2	GND
5	TX4N	B14	24	RX4N	A19	43	TX8N	B6	62	RX8N	A27
6	TX4P	B15	25	RX4P	A18	44	TX8P	B7	63	RX8P	A26
7	GND 1	GND	26	GND 2	GND	45	GND 1	<b>GND</b>	64	GND 2	GND
8	MODSELL	NC	27	MODPRSL	NC	46	RESERVED	NC	65	NC	NC
9	RESETL	NC	28	INTL	NC	47	VS1	NC	66	RESERVED	NC
10	VCCRX	NC	29	VCCTX	NC	48	VCCRX1	NC	67	VCCTX1	NC
11	SCL	NC	30	VCC1	NC	49	VS2	NC	68	VCC2	NC
12	SDA	NC	31	INITMODE	NC	50	VS3	NC	69	RESERVED	NC
13	GND 2	GND	32	GND 1	GND	51	GND 2	<b>GND</b>	70	GND 1	GND
14	RX3P	B26	33	TX3P	A7	52	RX7P	B18	71	TX7P	A15
15	RX3N	B27	34	TX3N	A6	53	RX7N	B19	72	TX7N	A14
16	GND 2	GND	35	GND 1	GND	54	GND 2	GND	73	GND 1	GND
17	RX1P	B30	36	TX1P	A3	55	RX5P	B22	74	TX5P	A11
18	RX1N	B31	37	TX1N	A2	56	RX5N	B23	75	TX5N	A10
19	GND 2	GND	38	GND 1	GND	57	GND 2	GND	76	GND 1	GND
ALL LIKE NAMED GROUNDS ARE COMMON AND TIED TO CABLE SHIELD											

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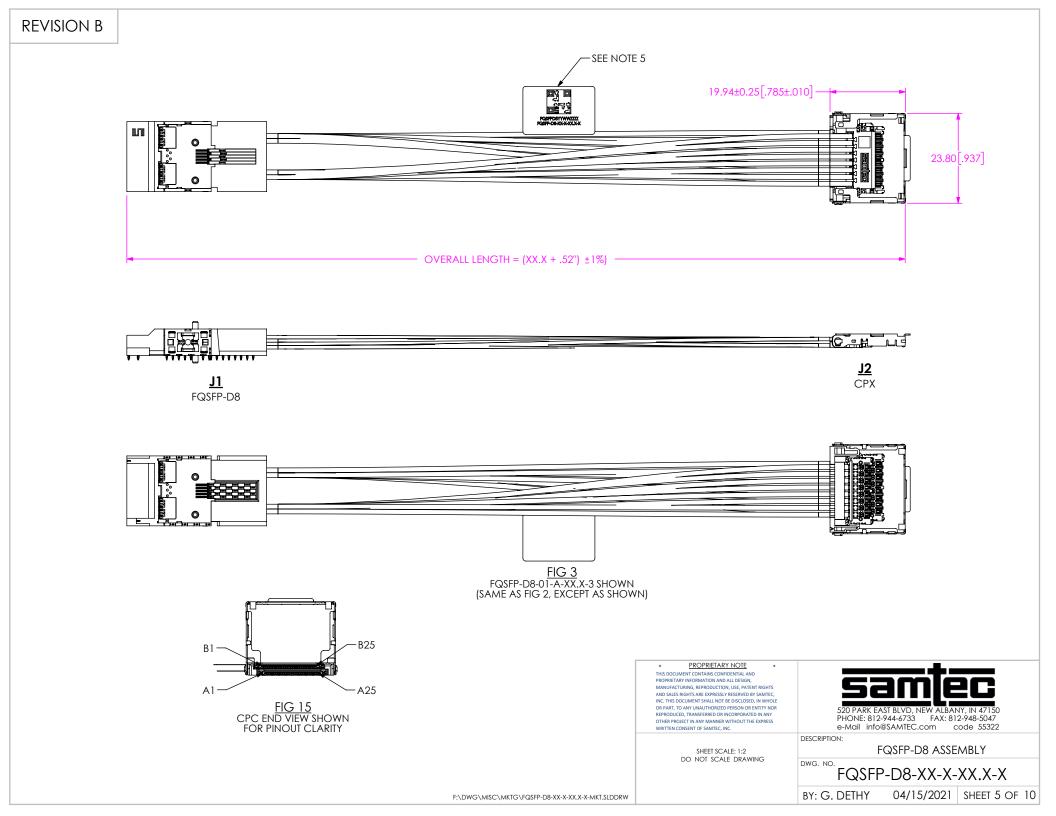


TABLE 3											
SIGNAL MAPPING TO CPX (END OPTION -3)											
J1	NAME	J2	J1	NAME	J2	J1	NAME	J2	J1	NAME	J2
1	GND 1		20	GND 2		39	GND 1		58	GND 2	
2	TX2N	A24	21	RX2N	B20	40	TX6N	A18	59	RX6N	B14
3	TX2P	A23	22	RX2P	B21	41	TX6P	A17	60	RX6P	B15
4	GND 1		23	GND 2		42	GND 1		61	GND 2	
5	TX4N	A21	24	RX4N	B23	43	TX8N	A15	62	RX8N	B17
6	TX4P	A20	25	RX4P	B24	44	TX8P	A14	63	RX8P	B18
7	7 GND 1		26	GND 2		45	GND 1		64	GND 2	
8	MODSELL	NC	27	MODPRSL	NC	46	RESERVED	NC	65	NC	NC
9	RESETL	NC	28	INTL	NC	47	VS1	NC	66	RESERVED	NC
10	VCCRX	NC	29	VCCTX	NC	48	VCCRX1	NC	67	VCCTX1	NC
11	SCL	NC	30	VCC1	NC	49	VS2	NC	68	VCC2	NC
12	SDA	NC	31	INITMODE	NC	50	VS3	NC	69	RESERVED	NC
13	13 GND 2		32	GND 1		51	GND 2		70	GND 1	
14	RX3P	B06	33	TX3P	A02	52	RX7P	B12	71	TX7P	A08
15	RX3N	B05	34	TX3N	A03	53	RX7N	B11	72	TX7N	A09
16	16 GND 2		35	GND 1		54	GND 2		73	GND 1	
17	RX1P	B03	36	TX1P	A05	55	RX5P	B09	74	TX5P	A11
18	RX1N	B02	37	TX1N	A06	56	RX5N	B08	75	TX5N	A12
19	19 GND 2		38	GND 1		57	GND 2		76	GND 1	
	ALL LIKE NAMED GROUNDS ARE COMMON AND TIED TO CABLE SHIELD										

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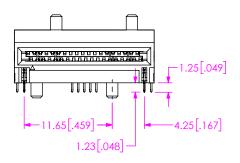
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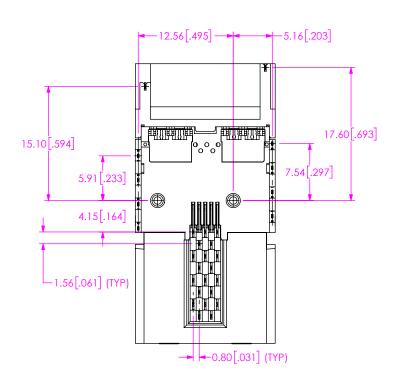
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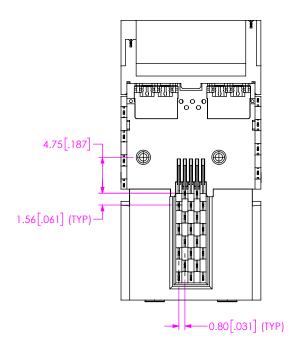
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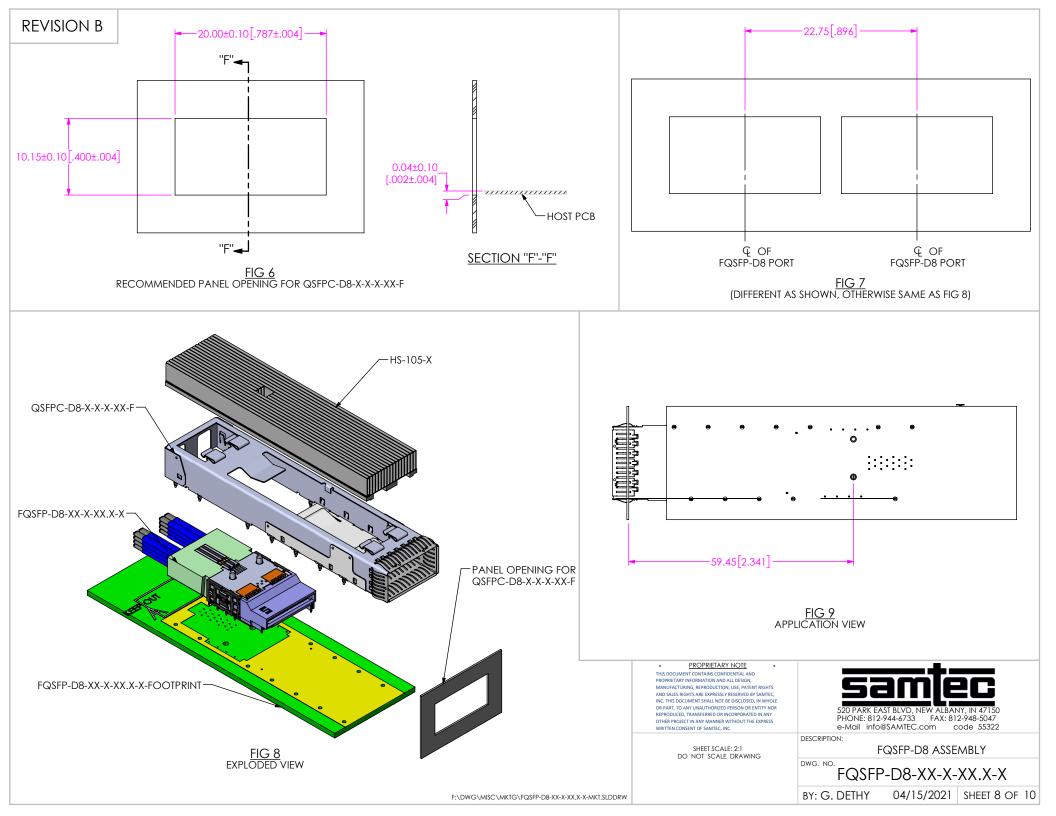
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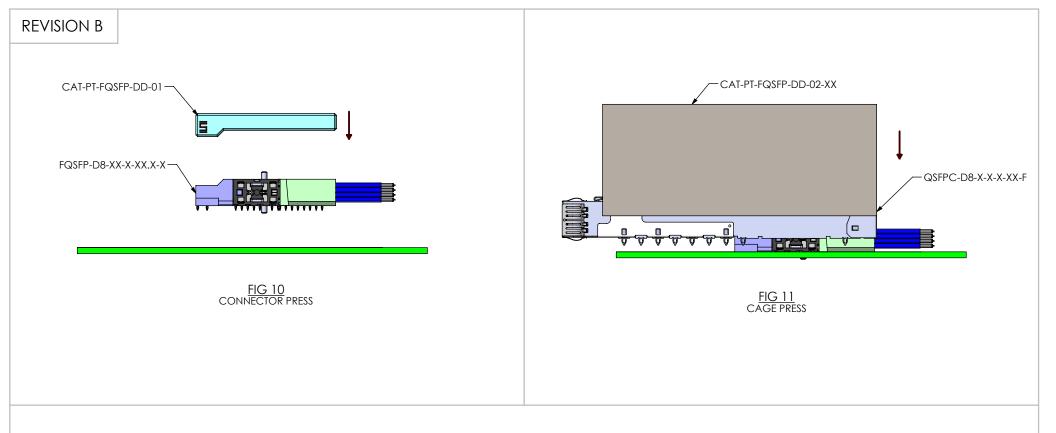
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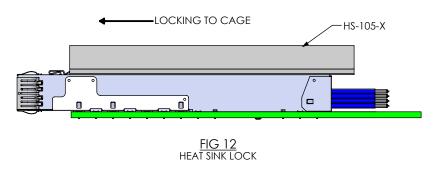
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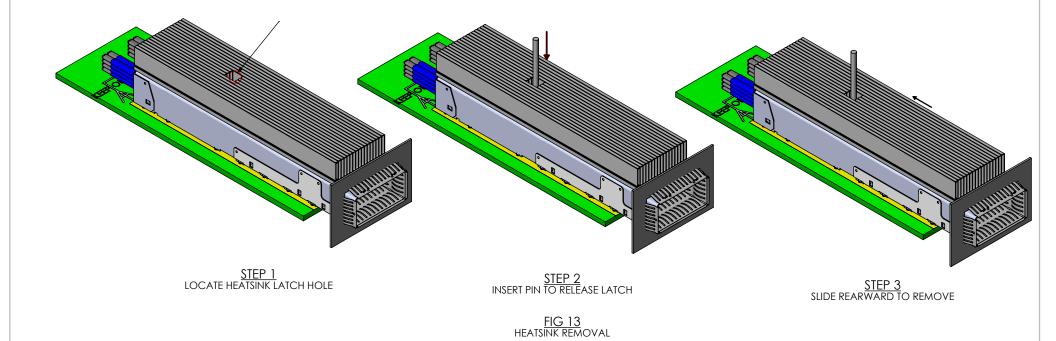
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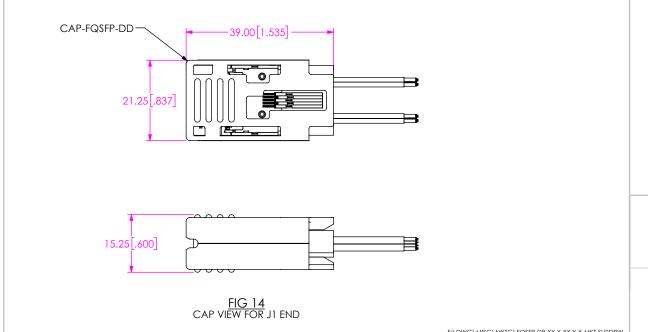
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# **REVISION B**





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