

							TA	BLE 1							
						SIGNAL MAI	PPING FQSFP		DCH (END OF	TION 1)					
J1	MSA def	J2 DCH	J3 DCH	J1	MSA def	J2 DCH	J3 DCH	J1	MSA def	J2 DCH	J3 DCH	J1	MSA def	J2 DCH	J3 DCH
1		GND1		20		GND2		39		GND1		58		GND2	
2	TX2n	4		21	RX2n	13		40	TX6n	8		59	RX6n	9	
3	TX2p	3		22	RX2p	14		41	TX6p	7		60	RX6p	10	
4		GND1		23		GND2		42		GND1		61		GND2	
5	TX4n	2		24	RX4n	15		43	TX8n	6		62	RX8n	11	
6	TX4p	1		25	RX4p	16		44	TX8p	5		63	RX8p	12	
7	7 GND1			26	GND2			45	GND1			64 GND2			
8	Mods el L	NC	NC	27	ModPrsL	NC	NC	46	Reserved	NC	NC	65	NC	NC	NC
9	Res etL	NC	NC	28	IntL	NC	NC	47	VS1	NC	NC	66	Reserved	NC	NC
10	VccRx	NC	NC	29	VccTx	NC	NC	48	VccRx1	NC	NC	67	VccTx1	NC	NC
11	SCL	NC	NC	30	Vcc1	NC	NC	49	VS2	NC	NC	68	Vcc2	NC	NC
12	SDA	NC	NC	31	InitMode	NC	NC	50	VS3	NC	NC	69	Reserved	NC	NC
13		GND2		32		GND1		51		GND2		70		GND1	
14	RX3p		4	33	TX3p		13	52	RX7p		8	71	TX7p		9
15	RX3n		3	34	TX3n		14	53	RX7n		7	72	TX7n		10
16		GND2		35		GND1		54		GND2		73		GND1	
17	RX1p		2	36	TX1p		15	55	RX5p		6	74	TX5p		11
18	RX1n		1	37	TX1n		16	56	RX5n		5	75	TX5n		12
19		GND2		38		GND1		57		GND2		76		GND1	
			WITHIN THIS	CABLE	ASSEMBLY, PO	OSITIONS LA	BELED WITH	A SPECI	FIC GND# ARE	COMMON	AND TIED TO T	WINAX	SHIELD		

SAMTEC RECOMMENDS IMPLEMENTING A COMMON GND REFERENCE TYING ALL GND#'S TOGETHER
ALL NC NETS DO NOT TRANSMIT THROUGH CABLE, THEY WILL ROUTE THROUGH CUSTOMER PCB

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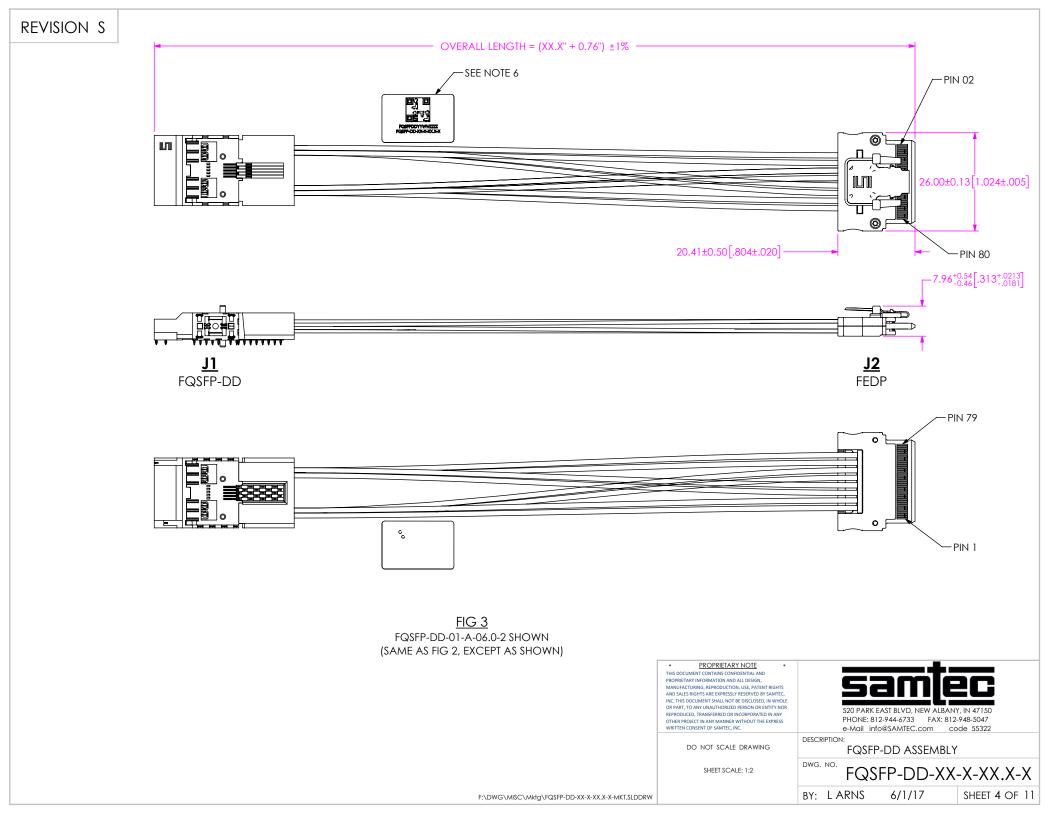
SHEET SCALE: 3:1

DESCRIPTION:

FQSFP-DD ASSEMBLY

PWG. NO. FQSFP-DD-XX-X-XX.X-X

BY: L ARNS 6/1/17 SHEET 3 OF 11



					TA.						
				SIGNA		BLE 2	P-DD TO FEDI	D			
J1	MSA def	J2 FEDP	J1	MSA def	J2 FEDP	J <sub>1</sub>	MSA def	J2 FEDP	J1	MSA def	J2 FEDP
1	GND	GND	20	GND	GND	39	GND	GND	58	GND	GND
2	TX2n	3	21	RX2n	38	40	TX6n	43	59	RX6n	78
3	TX2p	5	22	RX2p	36	41	TX6p	45	60	RX6p	76
4	GND	GND	23	GND	GND	42	GND	GND	61	GND	GND
5	TX4n	11	24	RX4n	30	43	TX8n	51	62	RX8n	70
6	TX4p	13	25	RX4p	28	44	TX8p	53	63	RX8p	68
7	GND	GND	26	GND	GND	45	GND	GND	64	GND	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	GND	32	GND	GND	51	GND	GND	70	GND	GND
14	RX3p	23	33	TX3p	18	52	RX7p	63	71	TX7p	58
15	RX3n	25	34	TX3n	16	53	RX7n	65	72	TX7n	56
16	GND	GND	35	GND	GND	54	GND	GND	73	GND	GND
17	RX1p	31	36	TX1p	10	55	RX5p	71	74	TX5p	50
18	RX1n	33	37	TX1n	8	56	RX5n	73	75	TX5n	48
19	GND	GND	38	GND	GND	57	GND	GND	76	GND	GND
			-	ALL GROUNDS	COMMON	AND 1	TED TO CABL	E SHIELD			
	ALL	NC NETS DO	NOT	TRANSMIT TH	ROUGH CAE	BLE, TH	IEY WILL ROU	TE THROUG	H CUS	TOMER PCB	

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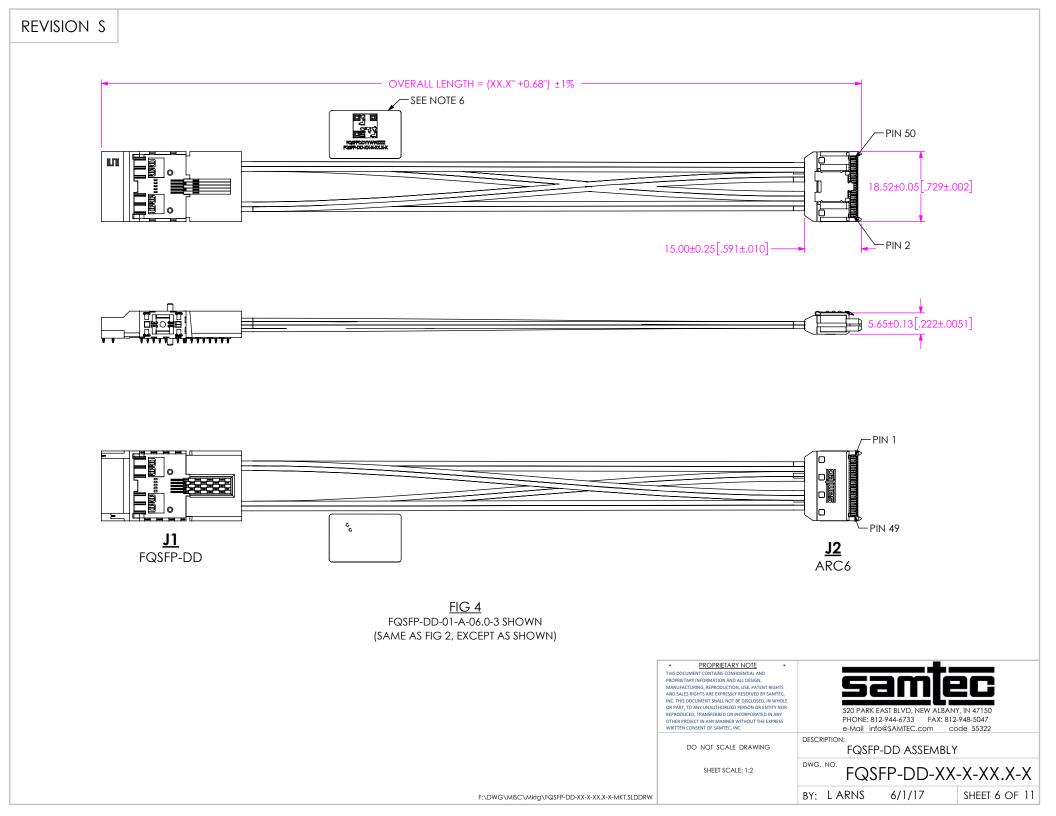
DESCRIPTION:

BY: LARNS

FQSFP-DD ASSEMBLY DWG. NO.

FQSFP-DD-XX-X-XX.X-X 6/1/17 SHEET 5 OF 11

F:\DWG\MISC\Mktg\FQSFP-DD-XX-X-XX.X-X-MKT.SLDDRW



					TAI	BLE 3						
				SIGN	AL MAPPING		P-DD TO ARC	 6				
J1	MSA def	J2 ARC6	J1	MSA def	J2 ARC6	J1	MSA def	J2 ARC6		J1	MSA def	J2 ARC6
1	GND1	GND1	20	GND2	GND2	39	GND1	GND1		58	GND2	GND2
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	GND1	GND1	23	GND2	GND2	42	GND1	GND1		61	GND2	GND2
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	GND1	GND1	26	GND2	GND2	45	GND1	GND1		64	GND2	GND2
8	ModselL	NC	27	ModPrsL	NC	46	Reserved	NC		65	NC	NC
9	Res et L	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	GND2	GND2	32	GND1	GND1	51	GND2	GND2		70	GND1	GND1
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	GND2	GND2	35	GND1	GND1	54	GND2	GND2		73	GND1	GND1
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	GND2	GND2	38	GND1	GND1	57	GND2	GND2		76	GND1	GND1
V	/ITHIN THIS (	CABLE ASSEMI	BLY, PO	OSITIONS LAE	BELED WITH A	SPEC	FIC GND# AR	E COMMON	AN	D TIE	ED TO TWINA	X SHIELD

SAMTEC RECOMMENDS IMPLEMENTING A COMMON GND REFERENCE TYING ALL GND#'s TOGETHER ALL NC NETS DO NOT TRANSMIT THROUGH CABLE, THEY WILL ROUTE THROUGH CUSTOMER PCB

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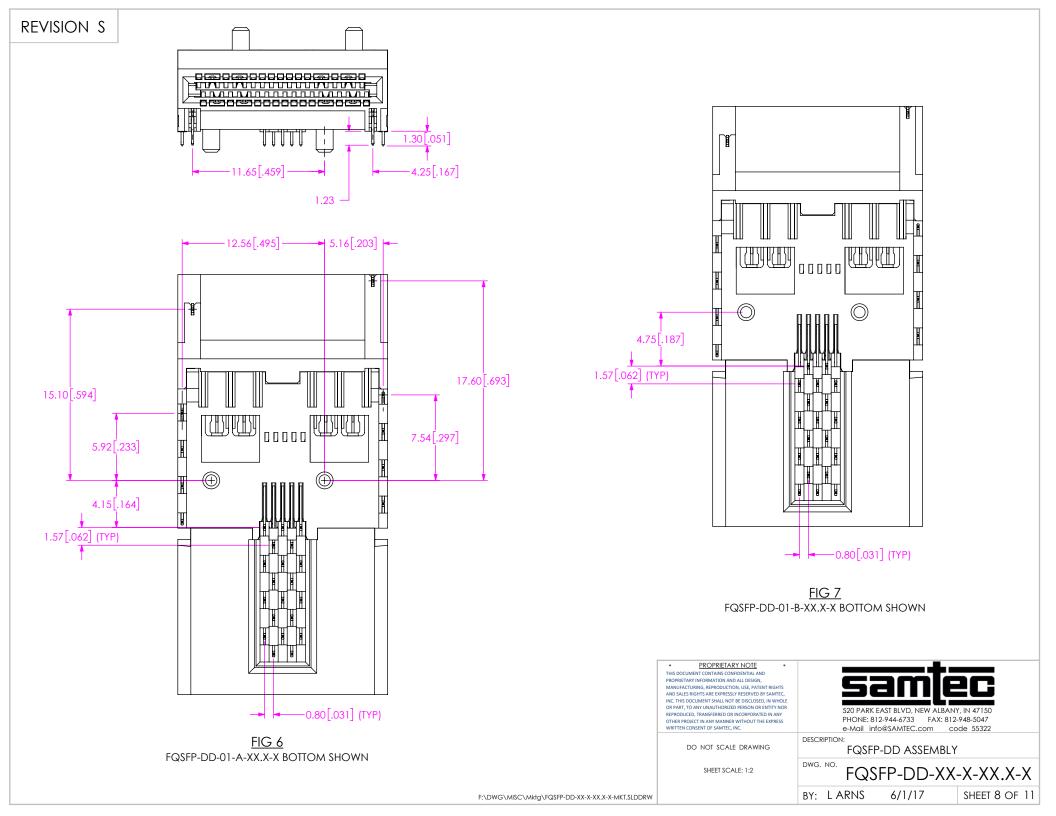
SHEET SCALE: 3:1

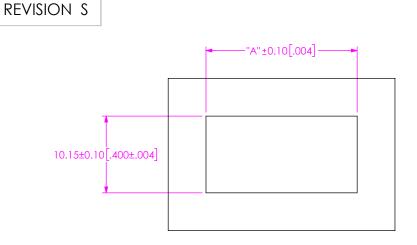
DESCRIPTION:

FQSFP-DD ASSEMBLY

DWG. NO. FQSFP-DD-XX-X-XX.X-X

BY: LARNS 6/1/17 SHEET 7 OF 11





No OF PORTS	"A"
-1	20.00 [.787]
-2	39.00 [1.535]
-3	58.00 [2.283]
-4	77.00 [3.031]
-5	96.00 [3.780]
-6	115.00 [4.528]

TABLE 1

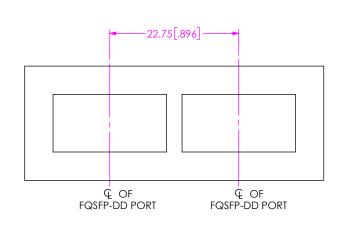
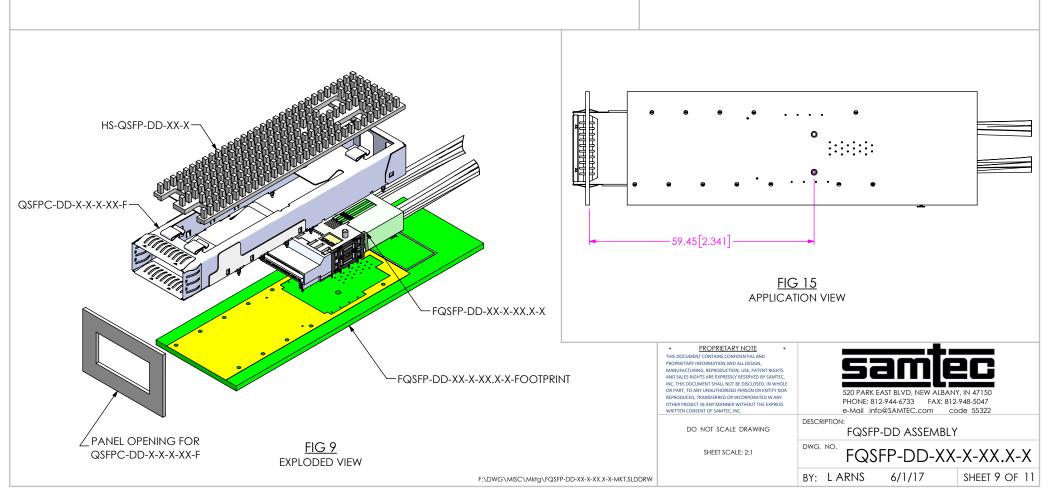
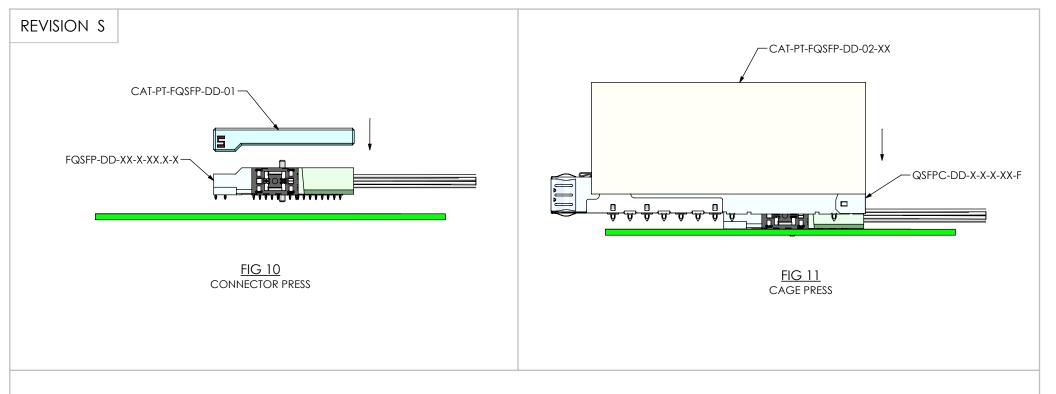


FIG 14 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 8)

FIG 8

RECOMMENDED PANEL OPENING FOR QSFPC-DD-X-X-X-XX-F





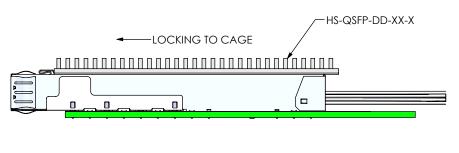
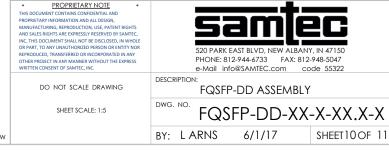


FIG 12 HEAT SINK LOCK



F:\DWG\MISC\Mktg\FQSFP-DD-XX-X-XX.X-X-MKT.SLDDRW

