

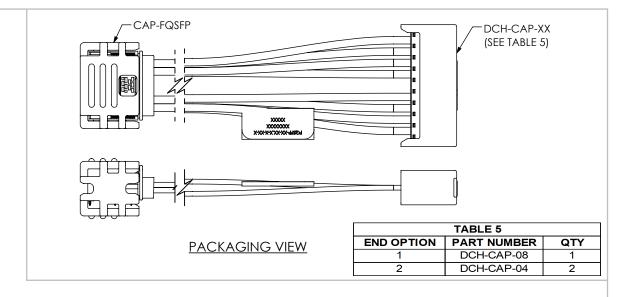
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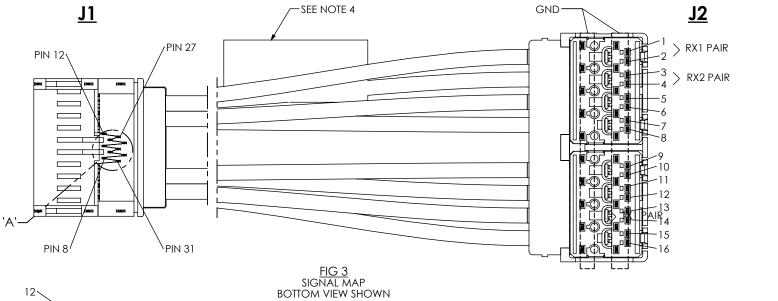
TABLE 1			
SI	GNAL MAPPI	NG	
J1	NAME	J2	
1	GND1	GND1	
2	TX2n	14	
3	TX2p	13	
4	GND1	GND1	
5	TX4n	10	
6	TX4p	9	
7	GND1	GND1	
13	GND2	GND2	
14	RX3p	6	
15	RX3n	5	
16	GND2	GND2	
17	RX1p	2	
18	RX1n		
19	GND2	GND2	
20	GND2	GND2	
21	RX2n	3	
22	RX2p	4	
23	GND2	GND2	
24	RX4n	7	
25	RX4p	8	
26	GND2	GND2	
32	GND1	GND1	
33	ТХ3р	11	
34	TX3n	12	
35	GND1	GND1	
36	TX1p	15	
37	TX1n	16	
38	GND1	GND1	

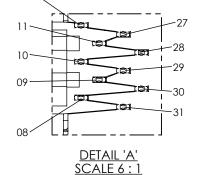
WITHIN THIS CABLE ASSEMBLY, POSITIONS LABELED WITH A SPECIFIC GND# ARE COMMON AND TIED TO TW IN AX SHIELD

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

J1	NAME	J2
8	ModselL	NC
9	ResetL	NC
10	VccRx	NC
11	SCL	NC
12	SDA	NC
27	ModPrsL	NC
28	IntL	NC
29	VxxTx	NC
30	Vcc1	NC
31	LPMode	NC
	CARE ROUT	
COMPLIA	NT TAILS TO	THE PCB



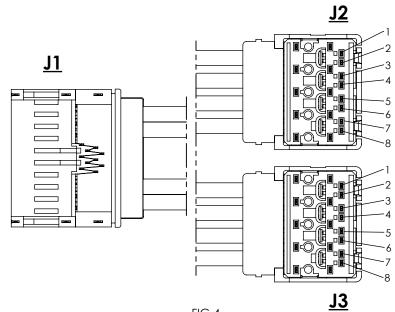




12

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DO NOT SCALE DRAWING	DESCRIPTION: QSFP FLYOVER CABLE ASSEMBLY
SHEET SCALE: 2:1	DWG. NO. FQSFP-XX-XX.X-X-XX-X
	BY: D.SCHMELZ 03/20-2015 SHEET 2 OF 8

			BLE	_		
		SIGNAI	L MA	PPING		
J1	NAME	J2		J1	NAME	J3
13	GND2	GND2		1	GND1	GND1
14	RX3p	6		2	TX2n	6
15	RX3n	5		3	TX2p	5
16	GND2	GND2		4	GND1	GND1
17	RX1p	2		5	TX4n	2
18	RX1n	1		6	TX4p	1
19	GND2	GND2		7	GND1	GND1
20	GND2	GND2		32	GND1	GND1
21	RX2n	3		33	ТХ3р	3
22	RX2p	4		34	TX3n	4
23	GND2	GND2		35	GND1	GND1
24	RX4n	7		36	TX1p	7
25	RX4p	8		37	TX1n	8
26	GND2	GND2		38	GND1	GND1
WITHIN THIS CABLE ASSEMBLY, POSITIONS LABELED WITH A SPECIFIC GND# ARE COMMON AND TIED TO TWINAX SHIELD ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A COMMON GND REFERENCE TYING ALL GND#'S TOGETHER						
J1	NAME	J2		J1	NAME	J3
27	ModPRsL	NC		8	ModeselL	NC
28	IntL	NC		9	ResetL	NC
29	VxxTx	NC		10	VccRx	NC
30	Vcc1	NC		11	SCL	NC
	LPMode	NC		12	SDA	NC
31		NC		12	SDA	



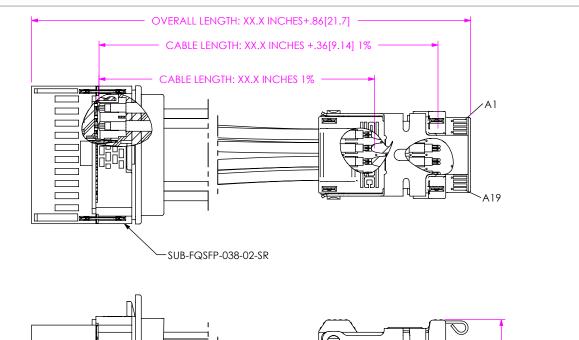
<u>FIG 4</u> SIGNAL MAP BOTTOM VIEW SHOWN SAME AS FIG 3 EXCEPT AS SHOWN

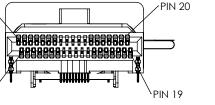
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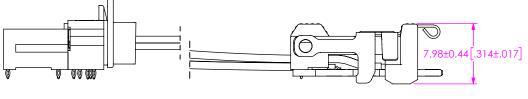


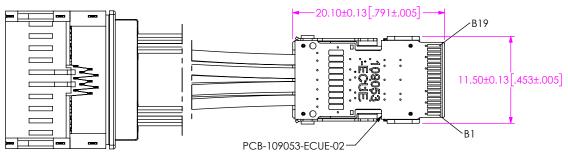
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	TABLE 3		
SI	GNAL MAPP	ING	
J1	NAME	J2	
1	GND	GND	
2	TX2n	B2	
3	TX2p	B3	
4	GND	GND	
5	TX4n	B5	
6	TX4p	B6	
7	GND	GND	
13	GND	GND	
14	RX3p	B14	
15	RX3n	B15	
16	GND	GND	
17	RX1p	B17	
18	RX1n	B18	
19	GND	GND	
20	GND	GND	PIN 3
21	RX2n	A18	
22	RX2p	A17	
23	GND	GND	
24	RX4n	A15	PIN (
25	RX4p	A14	
26	GND	GND	
32	GND	GND	
33	ТХ3р	A6	
34	TX3n	A5	
35	GND	GND	
36	TX1p	A3	
37	TX1n	A2	
38	GND	GND	
	NUNDS COM TIED TO CABL		
ALL OM	ATTED J2 PIN	NUMBERS	
ARE	TIED TO GRO	DUND	
J1	NAME	J2	
8	ModselL	NC	
9	ResetL	NC	
10	VccRx	NC	
11	SCL	NC	
12	SDA	NC	
27	ModPrsL	NC	
28	IntL	NC	
29	VxxTx	NC	
30	Vcc1	NC	
31	LPMode	NC	
	E ROUTED VIA	COMPLIANT	







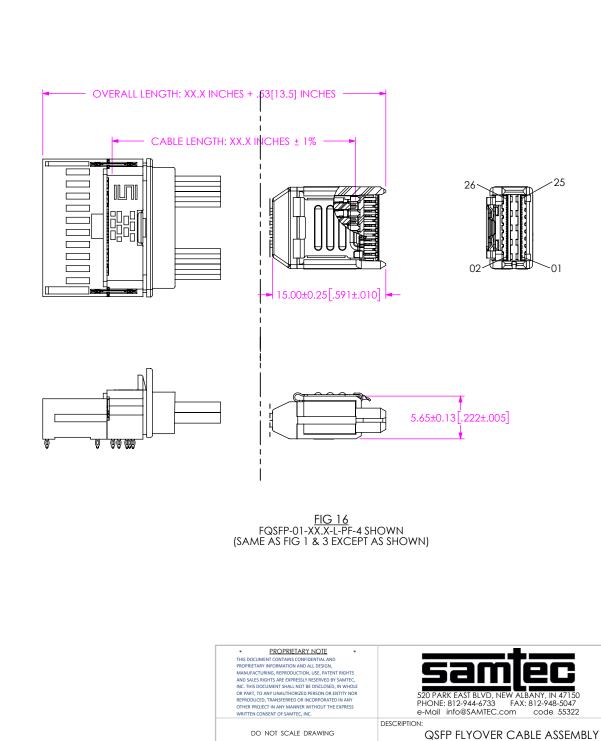


<u>FIG 5</u> FQSFP-01-XX.X-L-PF-3 SHOWN (SAME AS FIG 1 & 3 EXCEPT AS SHOWN)



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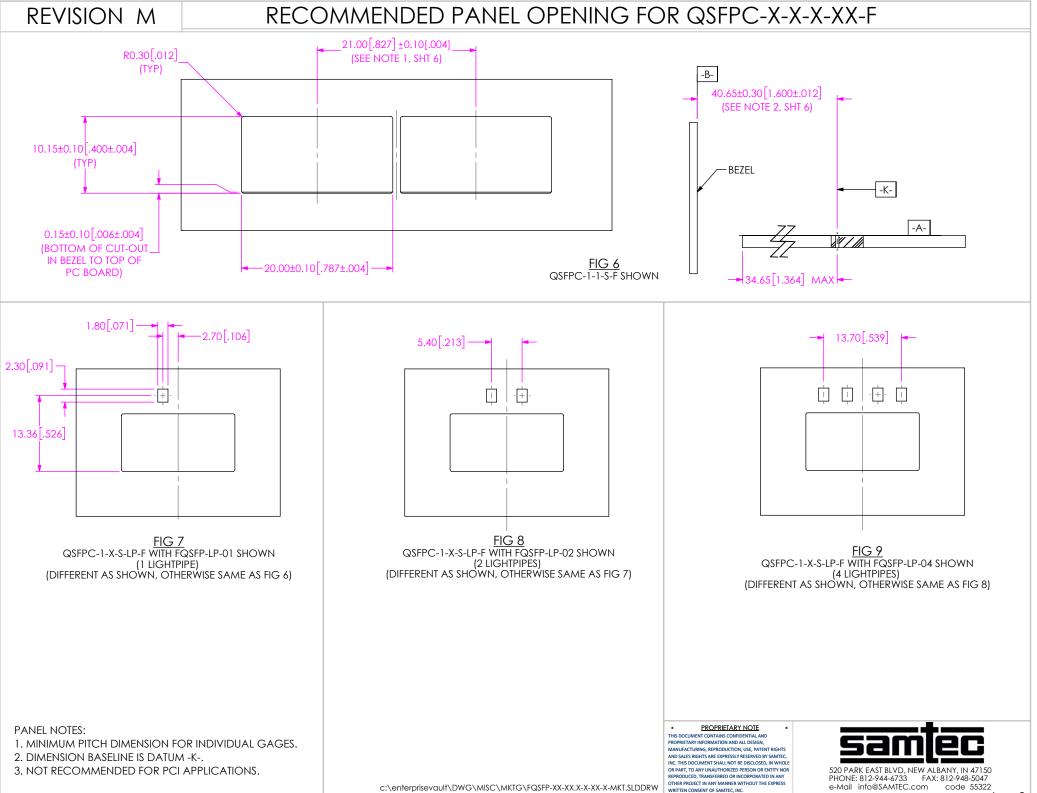
J1	IGNAL MAPPIN	IG
	NAME	J2
1	GND1	GND1
2	TX2n	12
3	TX2p	10
4	GND1	GND1
5	TX4n	6
6	TX4p	4
7	GND1	GND1
13	GND2	GND1
14	RX3p	11
15	RX3n	9
16	GND2	GND2
17	RX1p	5
18	RX1n	3
19	GND2	GND2
20	GND2	GND2
21	RX2n	15
22	RX2p	17
23	GND2	GND2
24	RX4n	21
25	RX4p	23
26	GND2	GND2
32	GND1	GND2
33	TX3p	16
34	TX3n	18
35	GND1	GND1
	GNDI	GNDI
36	TX1n	22
36 37	TX1p TX1p	22
37 38	TX1p TX1n GND1 CABLE ASSEMBL	24 GND1
37 38 WITHIN THIS (LABELED W COMMON A ON THE M SAMTEC REC COMMON (TX1n GND1	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING A
37 38 WITHIN THIS (LABELED W COMMON A ON THE M SAMTEC REC COMMON (TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING A
37 38 WITHIN THIS O LABELED W COMMON A ON THE M SAMTEC REC COMMON O G	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC	24 GND1 Y, POSITIONS GND# ARE 'INAX SHIELD ASSEMBLY, LEMENTING ALL ER
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH NAME ModselL	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH NAME ModselL ResetL	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING ALL ER J2 NC NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9 10	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH NAME ModselL ResetL VccRx	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC NC NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9 10 11 12	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH NAME ModselL ResetL VccRx SCL	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC NC NC NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9 10 11 12 27	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW IATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH NAME ModselL ResetL VccRx SCL SDA	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC NC NC NC NC NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9 10 11 12 27 28	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW ATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH Name ModselL ResetL VccRx SCL SDA ModPrsL IntL	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC NC NC NC NC NC NC NC NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9 10 11 12 27 28 29	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW ATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH Name ModselL ResetL VccRx SCL SDA ModPrsL IntL VxxTx	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC NC NC NC NC NC NC NC NC NC NC NC
37 38 WITHIN THIS OLABELED W COMMON A ON THE M SAMTEC REC COMMON O G J1 8 9 10 11 12 27 28	TX1n GND1 CABLE ASSEMBL ITH A SPECIFIC AND TIED TO TW ATING BOARD OMMENDS IMP GND REFERENC ND#'s TOGETH Name ModselL ResetL VccRx SCL SDA ModPrsL IntL	24 GND1 Y, POSITIONS GND# ARE INAX SHIELD ASSEMBLY, LEMENTING / CE TYING ALL ER J2 NC NC NC NC NC NC NC NC NC



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APPLICATION VIEWS FOR FQSFP

