

TABLE 1			
SIGNAL MAPPING			
J1	NAME	J2	
1	GND1	GND1	
3	TX2n	14	
	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	TX3p	11	
34	TX3n	12	
35	GND1	GND1	
36	TX1p	15	
37	TX1n	16	
38	GND1	GND1	

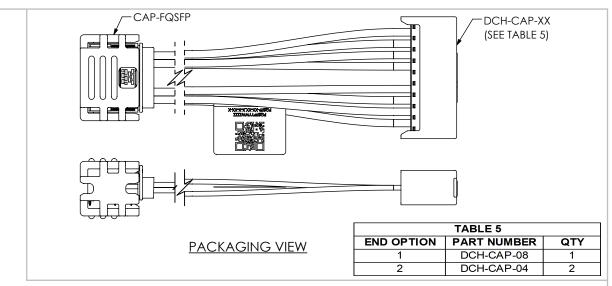
WITHIN THIS CABLE ASSEMBLY, POSITIONS LABELED WITH A SPECIFIC GND# ARE COMMON AND TIED TO TW INAX SHIELD

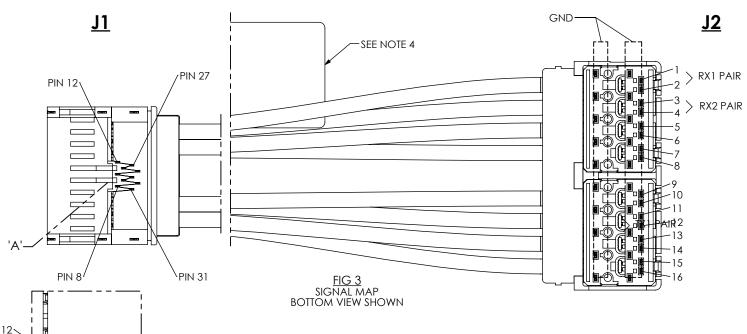
ON THE MATING BOARD ASSEMBLY, SAMTEC RECOMMENDS IMPLEMENTING A COMMON GND REFERENCE TYING ALL GND#'s TOGETHER

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	
ALL NC ARE ROUTED VIA			

COMPLIANT TAILS TO THE PCB

DETAIL 'A' SCALE 6 : 1







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DESCRIPTION: **QSFP FLYOVER CABLE ASSEMBLY**

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

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SHEET SCALE: 2:1

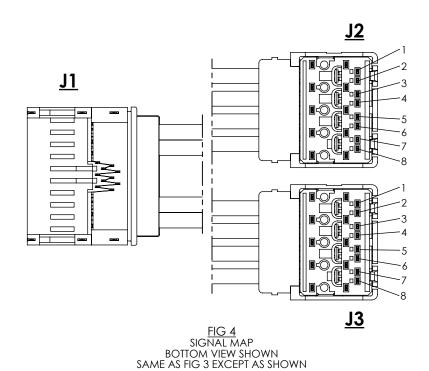
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TABLE 2					
SIGNAL MAPPING					
J1	NAME	J2	J1	NAME	J3
13	GND2	GND2	1	GND1	GND1
14	RX3p	6	2	TX2n	6
15	RX3n	5	3	TX2p	5
16	GND2	GND2	4	GND1	GND1
17	RX1p	2	5	TX4n	2
18	RX1n	1	6	TX4p	1
19	GND2	GND2	7	GND1	GND1
20	GND2	GND2	32	GND1	GND1
21	RX2n	3	33	TX3p	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
31	LPMode	NC		12	SDA	NC
ALL NC ARE ROUTED VIA COMPLIANT TAILS TO THE PCB						





SHEET SCALE: 2:1

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QSFP FLYOVER CABLE ASSEMBLY

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

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TABLE 3				
SIGNAL MAPPING				
J1	J1 NAME			
1	GND	GND		
2	TX2n	B2		
3	TX2p	В3		
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		
21	RX2n	A18		
22	RX2p	A17		
23	GND	GND		
24	RX4n	A15		
25	RX4p	A14		
26	GND	GND		
32	GND	GND		
33	TX3p	A6		
34	TX3n	A5		
35	GND	GND		
36	TX1p	A3		
37	TX1n	A2		
38	GND	GND		
ALL GROUNDS COMMON AND				

ALL GROUNDS COMMON AND TIED TO CABLE

ALL OMMITTED J2 PIN NUMBERS ARE TIED TO GROUND

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
ALL NC ARE ROUTED VIA COMPLIANT		

TAILS TO THE PCB

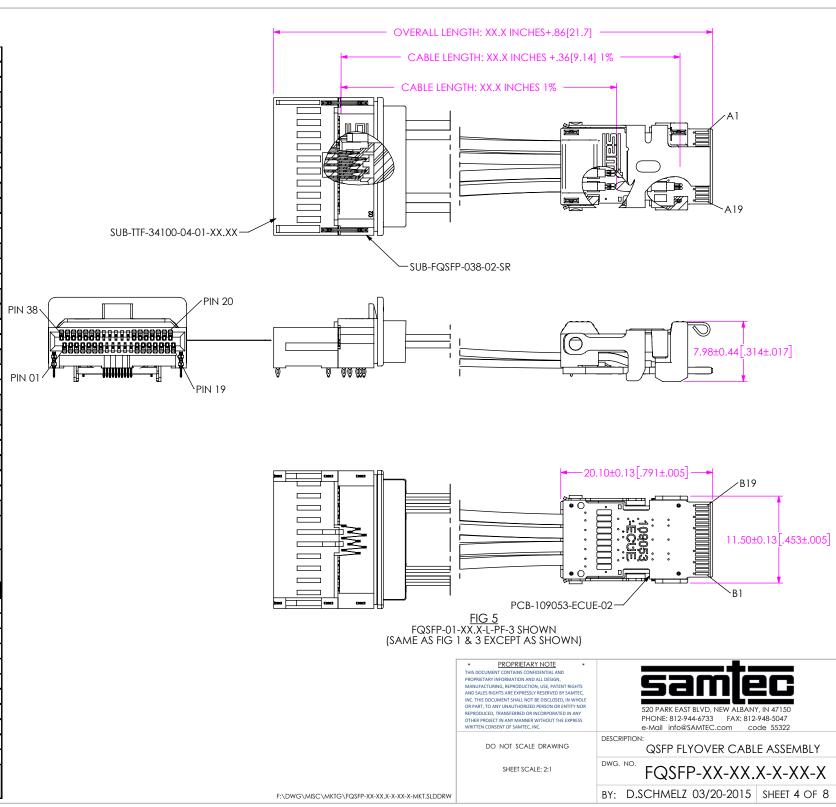


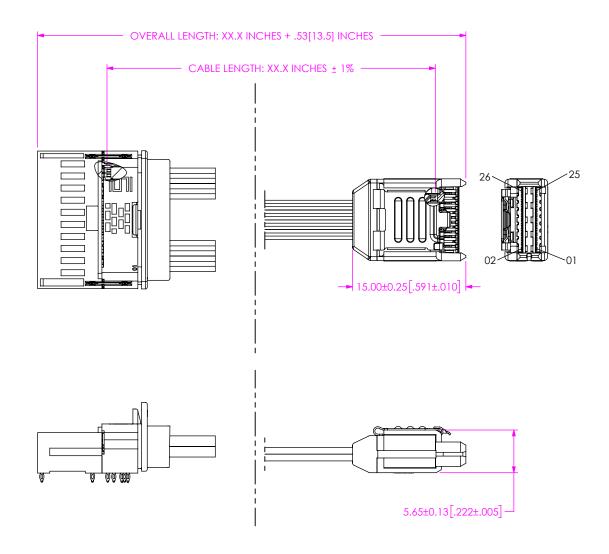
TABLE 4			
SIGNAL MAPPING			
J1	NAME	J2	
1	GND1	GND1	
2	TX2n	12	
3	TX2p	10	
4	GND1	GND1	
5	TX4n	6	
6	TX4p	4	
7	GND1	GND1	
13	GND2	GND2	
14	RX3p	11	
15	RX3n	9	
16	GND2	GND2	
17	RX1p	5	
18	RX1n	3	
19	GND2	GND2	
20	GND2	GND2	
21	RX2n	15	
22	RX2p	17	
23	GND2	GND2	
24	RX4n	21	
25	RX4p	23	
26	GND2	GND2	
32	GND1	GND1	
33	TX3p	16	
34	TX3n	18	
35	GND1	GND1	
36	TX1p	22	
37	TX1n	24	
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
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

ALL NC ARE ROUTED VIA COMPLIANT TAILS TO THE PCB



FQSFP-01-XX.X-L-PF-4 SHOWN (SAME AS FIG 1 & 3 EXCEPT AS SHOWN)

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SHEET SCALE: 1:1



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DESCRIPTION:

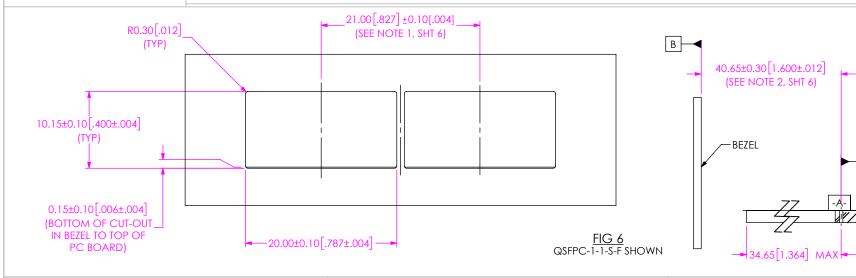
QSFP FLYOVER CABLE ASSEMBLY

FQSFP-XX-XX.X-X-XX-X

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



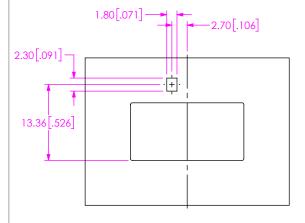
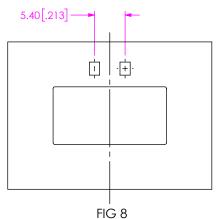


FIG 7 QSFPC-1-X-S-LP-F WITH FQSFP-LP-01 SHOWN (1 LIGHTPIPE) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 6)



QSFPC-1-X-S-LP-F WITH FQSFP-LP-02 SHOWN (2 LIGHTPIPES)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 7)

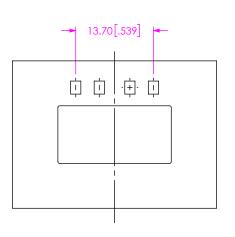


FIG 9 QSFPC-1-X-S-LP-F WITH FQSFP-LP-04 SHOWN (4 LIGHTPIPES) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 8)

PANEL NOTES:

- 1. MINIMUM PITCH DIMENSION FOR INDIVIDUAL GAGES.
- 2. DIMENSION BASELINE IS DATUM -K-.
- 3. NOT RECOMMENDED FOR PCI APPLICATIONS.

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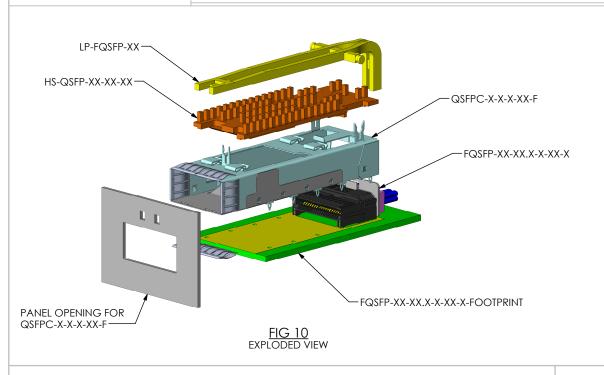
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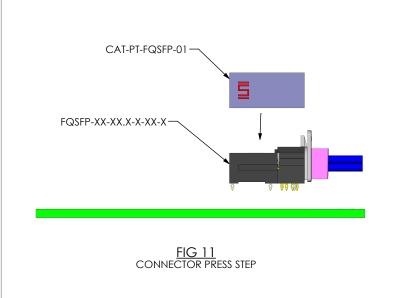


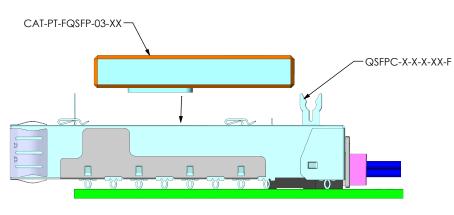
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APPLICATION VIEWS FOR FQSFP









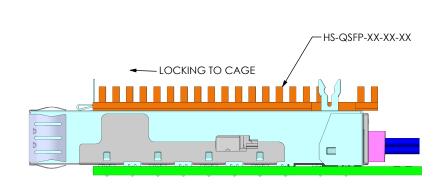


FIG 13 PRESS AND LOCK HEATSINK TO CAGE

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APPLICATION VIEWS FOR FQSFP

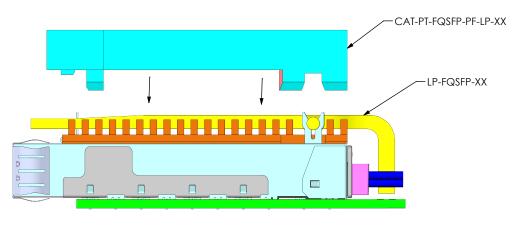
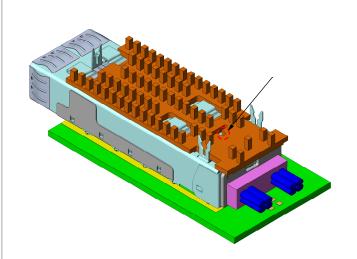
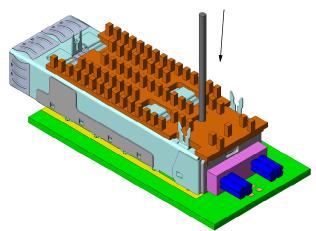


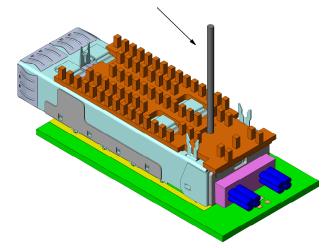
FIG 14 PRESSING LIGHT PIPE TO CAGE



STEP 1 LOCATE HEATSINK LATCH HOLE



STEP 2
INSERT PIN TO RELEASE LATCH



SLIDE HEATSINK REARWARD TO REMOVE

FIG 15 HEAT SINK REMOVAL

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