Signal Name	Direction	Pin	b2b conn	carrier conn	$$$$$$$
dummy_reset	Input	D9	dummy_reset	$$$	
Led[0]	Output	A8	Led[0]	$$$	
Led[1]	Output	L15	Led[1]	$$$	
sys_clk	Input	P17	sys_clk	$$$	
uart_rx	Input	R11	uart_rx	$$$	
uart_tx	Output	L16	uart_tx	$$$	
TSTAMP_CLK	Input	R10	JB1-86	J1-05	
TSTAMP_RST	Input	N17	JB1-91	J1-07	
COMMON_STOP	Input	L18	JB1-94	J1-08	
GLOB_ENA	Input	R12	JB1-92	J1-09	
EVENT_ENA	Input	M13	JB1-96	J1-10	
FORCE_RESET	Input	R13	JB1-88	J1-11	
TAKE_EVENT	Input	M18	JB1-98	J1-12	
SDO_B_0	Input	B12	JB1-99	J11-05	
SDO_C_0	Input	A18	JB1-44	J11-06	
SDO_T_0	Input	C14	JB1-87	J11-07	
SDO_A_1	Input	C16	JB1-81	J11-08	
SDO_B_1	Input	G17	JB1-71	J11-09	
SDO_C_1	Input	H17	JB1-69	J11-10	
SDO_T_1	Input	J13	JB1-57	J11-11	
ADC_SCLK_0	Output	K13	JB1-55	J11-12	
ADC_SCLK_1	Output	F18	JB1-47	J11-13	
CONV_0	Output	G18	JB1-45	J11-14	
CONV_1	Output	D18	JB1-37	J11-15	
DAC_LD	Output	E18	JB1-35	J11-16	
DAC_SCLK	Output	B17	JB1-46	J11-17	
DAC_DIN	Output	B18	JB1-42	J11-18	
cfd_stb	Output	V12	JB2-14	J11-19	
cfd_write	Output	N14	JB2-16	J11-20	
cfd_neg_pol	Output	T11	JB2-32	J11-21	
cfd_or	Input	T10	JB2-36	J11-22	
cfd_reset	Output	H4	JB2-48	J11-23	
cfd_global_ena	Output	E2	JB2-52	J11-24	
psd_sin	Output	G2	JB2-64	J11-25	
psd_sclk	Output	G6	JB2-66	J11-26	
psd_sout	Input	H2	JB2-62	J11-27	
psd_acq_ack_0	Input	D7	JB2-74	J11-28	
psd_acq_clk_0	Output	J4	JB2-46	J11-29	
psd_cfd_out_0	Input	D2	JB2-54	J11-30	
psd_chan_addr_0[0]	BiDir	J5	JB2-99	J11-31	

psd_chan_addr_0[1]	BiDir	B6	JB2-95	J11-32
psd_chan_addr_0[2]	BiDir	A4	JB2-87	J11-33
psd_chan_addr_0[3]	BiDir	A3	JB2-85	J11-34
psd_chan_addr_0[4]	BiDir	B2	JB2-81	J11-35
psd_dac_stb_0	Output	A1	JB2-77	J11-36
psd_intx_out_0	Input	E1	JB2-67	J11-37
psd_or_out_0	Input	C1	JB2-71	J11-38
psd_sc0_0	Output	H1	JB2-61	J11-39
psd_sc1_0	Output	G1	JB2-63	J11-40
psd_sel_ext_addr_0	Output	B14	JB1-93	J13-05
psd_test_mode_int_0	Output	B13	JB1-95	J13-06
psd_token_in_0	Output	A14	JB1-70	J13-07
psd_token_out_0	Input	C17	JB1-79	J13-08
psd_acq_ack_1	Input	D17	JB1-77	J13-09
psd_acq_clk_1	Output	E17	JB1-75	J13-10
psd_cfd_out_1	Input	J15	JB1-61	J13-11
psd_chan_addr_1[0]	BiDir	K15	JB1-59	J13-12
psd_chan_addr_1[1]	BiDir	H15	JB1-51	J13-13
psd_chan_addr_1[2]	BiDir	J14	JB1-49	J13-14
psd_chan_addr_1[3]	BiDir	J17	JB1-41	J13-15
psd_chan_addr_1[4]	BiDir	J18	JB1-39	J13-16
psd_dac_stb_1	Output	A15	JB1-58	J13-17
psd_intx_out_1	Input	A16	JB1-56	J13-18
psd_or_out_1	Input	D13	JB1-52	J13-19
psd_sc0_1	Output	D12	JB1-50	J13-20
psd_sc1_1	Output	B16	JB1-48	J13-21
psd_sel_ext_addr_1	Output	U12	JB2-12	J13-22
psd_test_mode_int_1	Output	P14	JB2-18	J13-23
psd_token_in_1	Output	H5	JB2-44	J13-24
psd_token_out_1	Input	F6	JB2-68	J13-25
psd_acq_all	Output	G4	JB2-56	J13-26
psd_cfd_bypass	Output	G3	JB2-58	J13-27
psd_force_rst	Output	E7	JB2-72	J13-28
psd_global_ena	Output	T9	JB2-38	J13-29
psd_reset	Output	H6	JB2-42	J13-30
psd_veto_reset	Output	K2	JB2-35	J13-31
TDC_SCLK	Output	B7	JB2-97	J13-32
TDC_DOUT	Input	U11	JB2-34	J13-33
TDC_DIN	Output	A5	JB2-91	J13-34
TDC_ENABLE	Output	B3	JB2-83	J13-35
TDC_CSB	Output	B1	JB2-75	J13-36
TDC_INTB	Input	C2	JB2-73	J13-37

TDC_START	Output	F1	JB2-65	J13-38
TDC_STOP	Output	E3	JB2-55	J13-39
BUSY_OUT_L	Output	D3	JB2-57	J13-40
BOARD_ID[0]	Input	L4	JB1-3	J14-02
BOARD_ID[1]	Input	K5	JB1-5	J14-03
BOARD_ID[2]	Input	N6	JB1-9	J14-04
BOARD_ID[3]	Input	M6	JB1-11	J14-05
BOARD_ID[4]	Input	T8	JB1-15	J14-06
BOARD_ID[5]	Input	R8	JB1-17	J14-07
OR	Output	L6	JB1-21	J14-08
INTX_OUT	Output	L5	JB1-23	J14-09
DELAY_CLK	Output	P4	JB3-57	J2-05
DELAY_DATA	Output	P3	JB3-59	J2-06
DELAY_EN_L[0]	Output	N2	JB3-51	J2-07
DELAY_EN_L[1]	Output	N1	JB3-53	J2-08
DELAY_EN_L[2]	Output	M3	JB3-47	J2-09
DELAY_EN_L[3]	Output	M2	JB3-49	J2-10
DELAY_EN_L[4]	Output	T1	JB3-41	J2-11
DELAY_EN_L[5]	Output	R1	JB3-43	J2-12
I2C_SCL	BiDir	N16	JB2-23	J5-01
I2C_SDA	BiDir	M17	JB2-27	J5-02
CFD_OUT	Output	N15	JB2-21	J5-03
MUX_SEL[0]	Output	M16	JB2-25	J5-04
MUX_SEL[1]	Output	T14	JB2-22	J5-05
MUX_SEL[2]	Output	P15	JB2-26	J5-06
MUX_SEL[3]	Output	T15	JB2-24	J5-07
MUX_EN	Output	R15	JB2-28	J5-08
cfd_AD[7]	BiDir	F3	JB2-47	J6-01
cfd_AD[6]	BiDir	D5	JB2-51	J6-02
cfd_AD[5]	BiDir	F4	JB2-45	J6-03
cfd_AD[4]	BiDir	D4	JB2-53	J6-04
cfd_AD[3]	BiDir	J3	JB2-43	J6-05
cfd_AD[2]	BiDir	E5	JB2-33	J6-06
cfd_AD[1]	BiDir	J2	JB2-41	J6-07
cfd_AD[0]	BiDir	E6	JB2-31	J6-08

Signal Name	Direction	Pin	b2b_conn	carrier_conn	NO_USE
dummy_reset	Input	D9	dummy_reset	$$$	
Led[0]	Output	A8	Led[0]	$$$	
Led[1]	Output	L15	Led[1]	$$$	
sys_clk	Input	P17	sys_clk	$$$	
uart_rx	Input	R11	uart_rx	$$$	
uart_tx	Output	L16	uart_tx	$$$	
?	?	R10	JB1-86	J1-05	X
?	?	N17	JB1-91	J1-07	X
?	?	L18	JB1-94	J1-08	X
?	?	R12	JB1-92	J1-09	X
?	?	M13	JB1-96	J1-10	X
?	?	R13	JB1-88	J1-11	X
?	?	M18	JB1-98	J1-12	X
BOARD_ID[0]	Input	B12	JB1-99	J11-05	
BOARD_ID[1]	Input	A18	JB1-44	J11-06	
BOARD_ID[2]	Input	C14	JB1-87	J11-07	
BOARD_ID[3]	Input	C16	JB1-81	J11-08	
BOARD_ID[4]	Input	G17	JB1-71	J11-09	
BOARD_ID[5]	Input	H17	JB1-69	J11-10	
DELAY_CLK	Output	J13	JB1-57	J11-11	
DELAY_DATA	Output	K13	JB1-55	J11-12	
DELAY_EN_L[0]	Output	F18	JB1-47	J11-13	
DELAY_EN_L[1]	Output	G18	JB1-45	J11-14	
DELAY_EN_L[2]	Output	D18	JB1-37	J11-15	
DELAY_EN_L[3]	Output	E18	JB1-35	J11-16	
DELAY_EN_L[4]	Output	B17	JB1-46	J11-17	
DELAY_EN_L[5]	Output	B18	JB1-42	J11-18	
I2C_SCL	BiDir	V12	JB2-14	J11-19	
I2C_SDA	BiDir	N14	JB2-16	J11-20	
SDO_T_0	Input	T11	JB2-32	J11-21	
ADC_SCLK_0	Output	T10	JB2-36	J11-22	
CONV_0	Output	H4	JB2-48	J11-23	
psd_sin	Output	E2	JB2-52	J11-24	
psd_sclk	Output	G2	JB2-64	J11-25	
I2C_SCL	BiDir	G6	JB2-66	J11-26	
I2C_SDA	BiDir	H2	JB2-62	J11-27	
?	?	D7	JB2-74	J11-28	X
?	?	J4	JB2-46	J11-29	X

?	?	D2	JB2-54	J11-30	X
?	?	J5	JB2-99	J11-31	X
?	?	B6	JB2-95	J11-32	X
?	?	A4	JB2-87	J11-33	X
?	?	A3	JB2-85	J11-34	X
?	?	B2	JB2-81	J11-35	X
?	?	A1	JB2-77	J11-36	X
?	?	E1	JB2-67	J11-37	X
?	?	C1	JB2-71	J11-38	X
?	?	H1	JB2-61	J11-39	X
?	?	G1	JB2-63	J11-40	X
?	?	B14	JB1-93	J13-05	X
?	?	B13	JB1-95	J13-06	X
?	?	A14	JB1-70	J13-07	X
?	?	C17	JB1-79	J13-08	X
?	?	D17	JB1-77	J13-09	X
?	?	E17	JB1-75	J13-10	X
?	?	J15	JB1-61	J13-11	X
?	?	K15	JB1-59	J13-12	X
?	?	H15	JB1-51	J13-13	X
?	?	J14	JB1-49	J13-14	X
?	?	J17	JB1-41	J13-15	X
?	?	J18	JB1-39	J13-16	X
?	?	A15	JB1-58	J13-17	X
?	?	A16	JB1-56	J13-18	X
?	?	D13	JB1-52	J13-19	X
?	?	D12	JB1-50	J13-20	X
?	?	B16	JB1-48	J13-21	X
?	?	U12	JB2-12	J13-22	X
?	?	P14	JB2-18	J13-23	X
?	?	H5	JB2-44	J13-24	X
?	?	F6	JB2-68	J13-25	X
?	?	G4	JB2-56	J13-26	X
?	?	G3	JB2-58	J13-27	X
?	?	E7	JB2-72	J13-28	X
?	?	T9	JB2-38	J13-29	X
?	?	H6	JB2-42	J13-30	X
?	?	K2	JB2-35	J13-31	X
?	?	B7	JB2-97	J13-32	X
?	?	U11	JB2-34	J13-33	X
?	?	A5	JB2-91	J13-34	X

?	?	B3	JB2-83	J13-35	X
?	?	B1	JB2-75	J13-36	X
?	?	C2	JB2-73	J13-37	X
?	?	F1	JB2-65	J13-38	X
?	?	E3	JB2-55	J13-39	X
?	?	D3	JB2-57	J13-40	X

R10	JB1-86	J1-05	TSTAMP_CLK
N17	JB1-91	J1-07	TSTAMP_RST
L18	JB1-94	J1-08	COMMON_STOP
R12	JB1-92	J1-09	GLOB_ENA
M13	JB1-96	J1-10	EVENT_ENA
R13	JB1-88	J1-11	FORCE_RESET
M18	JB1-98	J1-12	TAKE_EVENT
B12	JB1-99	J11-05	SDO_B_0
A18	JB1-44	J11-06	SDO_C_0
C14	JB1-87	J11-07	SDO_T_0
C16	JB1-81	J11-08	SDO_A_1
G17	JB1-71	J11-09	SDO_B_1
H17	JB1-69	J11-10	SDO_C_1
J13	JB1-57	J11-11	SDO_T_1
K13	JB1-55	J11-12	ADC_SCLK_0
F18	JB1-47	J11-13	ADC_SCLK_1
G18	JB1-45	J11-14	CONV_0
D18	JB1-37	J11-15	CONV_1
E18	JB1-35	J11-16	DAC_LD
B17	JB1-46	J11-17	DAC_SCLK
B18	JB1-42	J11-18	DAC_DIN
V12	JB2-14	J11-19	cfd_stb
N14	JB2-16	J11-20	cfd_write
T11	JB2-32	J11-21	cfd_neg_pol
T10	JB2-36	J11-22	cfd_or
H4	JB2-48	J11-23	cfd_reset
E2	JB2-52	J11-24	cfd_global_ena
G2	JB2-64	J11-25	psd_sin
G6	JB2-66	J11-26	psd_sclk
H2	JB2-62	J11-27	psd_sout
D7	JB2-74	J11-28	psd_acq_ack_0
J4	JB2-46	J11-29	psd_acq_clk_0
D2	JB2-54	J11-30	psd_cfd_out_0
J5	JB2-99	J11-31	psd_chan_addr_0[0]
B6	JB2-95	J11-32	psd_chan_addr_0[1]
A4	JB2-87	J11-33	psd_chan_addr_0[2]
A3	JB2-85	J11-34	psd_chan_addr_0[3]
B2	JB2-81	J11-35	psd_chan_addr_0[4]
A1	JB2-77	J11-36	psd_dac_stb_0
E1	JB2-67	J11-37	psd_intx_out_0
C1	JB2-71	J11-38	psd_or_out_0

H1	JB2-61	J11-39	psd_sc0_0
G1	JB2-63	J11-40	psd_sc1_0
B14	JB1-93	J13-05	psd_sel_ext_addr_0
B13	JB1-95	J13-06	psd_test_mode_int_0
A14	JB1-70	J13-07	psd_token_in_0
C17	JB1-79	J13-08	psd_token_out_0
D17	JB1-77	J13-09	psd_acq_ack_1
E17	JB1-75	J13-10	psd_acq_clk_1
J15	JB1-61	J13-11	psd_cfd_out_1
K15	JB1-59	J13-12	psd_chan_addr_1[0]
H15	JB1-51	J13-13	psd_chan_addr_1[1]
J14	JB1-49	J13-14	psd_chan_addr_1[2]
J17	JB1-41	J13-15	psd_chan_addr_1[3]
J18	JB1-39	J13-16	psd_chan_addr_1[4]
A15	JB1-58	J13-17	psd_dac_stb_1
A16	JB1-56	J13-18	psd_intx_out_1
D13	JB1-52	J13-19	psd_or_out_1
D12	JB1-50	J13-20	psd_sc0_1
B16	JB1-48	J13-21	psd_sc1_1
U12	JB2-12	J13-22	psd_sel_ext_addr_1
P14	JB2-18	J13-23	psd_test_mode_int_1
H5	JB2-44	J13-24	psd_token_in_1
F6	JB2-68	J13-25	psd_token_out_1
G4	JB2-56	J13-26	psd_acq_all
G3	JB2-58	J13-27	psd_cfd_bypass
E7	JB2-72	J13-28	psd_force_rst
T9	JB2-38	J13-29	psd_global_ena
H6	JB2-42	J13-30	psd_reset
K2	JB2-35	J13-31	psd_veto_reset
B7	JB2-97	J13-32	TDC_SCLK
U11	JB2-34	J13-33	TDC_DOUT
A5	JB2-91	J13-34	TDC_DIN
B3	JB2-83	J13-35	TDC_ENABLE
B1	JB2-75	J13-36	TDC_CSB
C2	JB2-73	J13-37	TDC_INTB
F1	JB2-65	J13-38	TDC_START
E3	JB2-55	J13-39	TDC_STOP
D3	JB2-57	J13-40	BUSY_OUT_L
L4	JB1-3	J14-02	BOARD_ID[0]
K5	JB1-5	J14-03	BOARD_ID[1]
N6	JB1-9	J14-04	BOARD_ID[2]
M6	JB1-11	J14-05	BOARD_ID[3]

T8	JB1-15	J14-06	BOARD_ID[4]
R8	JB1-17	J14-07	BOARD_ID[5]
L6	JB1-21	J14-08	OR
L5	JB1-23	J14-09	INTX_OUT
P4	JB3-57	J2-05	DELAY_CLK
P3	JB3-59	J2-06	DELAY_DATA
N2	JB3-51	J2-07	DELAY_EN_L[0]
N1	JB3-53	J2-08	DELAY_EN_L[1]
M3	JB3-47	J2-09	DELAY_EN_L[2]
M2	JB3-49	J2-10	DELAY_EN_L[3]
T1	JB3-41	J2-11	DELAY_EN_L[4]
R1	JB3-43	J2-12	DELAY_EN_L[5]
N16	JB2-23	J5-01	I2C_SCL
M17	JB2-27	J5-02	I2C_SDA
N15	JB2-21	J5-03	CFD_OUT
M16	JB2-25	J5-04	MUX_SEL[0]
T14	JB2-22	J5-05	MUX_SEL[1]
P15	JB2-26	J5-06	MUX_SEL[2]
T15	JB2-24	J5-07	MUX_SEL[3]
R15	JB2-28	J5-08	MUX_EN
F3	JB2-47	J6-01	cfd_AD[7]
D5	JB2-51	J6-02	cfd_AD[6]
F4	JB2-45	J6-03	cfd_AD[5]
D4	JB2-53	J6-04	cfd_AD[4]
J3	JB2-43	J6-05	cfd_AD[3]
E5	JB2-33	J6-06	cfd_AD[2]
J2	JB2-41	J6-07	cfd_AD[1]
E6	JB2-31	J6-08	cfd_AD[0]

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