

Pin List: XEM8320

2026-04-17

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTA	1			FX3_SCL_3V3				
PORTA	2			+5V_SZG				
PORTA	3			FX3_SDA_3V3				
PORTA	4			R_GA				
PORTA	5	L18	IO_L1P_T0L_N0_DBC_66	SZG_PORTA_S0_D0P	92.25	615.8	130.1	66
PORTA	6	M25	IO_L8P_T1L_N2_AD5P_66	SZG_PORTA_S1_D1P	98.83	673.1	81.1	66
PORTA	7	K18	IO_L1N_T0L_N1_DBC_66	SZG_PORTA_S2_D0N	92.42	622.9	129.1	66
PORTA	8	M26	IO_L8N_T1L_N3_AD5N_66	SZG_PORTA_S3_D1N	98.90	679.5	80.5	66
PORTA	9	M20	IO_L2P_T0L_N2_66	SZG_PORTA_S4_D2P	94.85	635.7	103.8	66
PORTA	10	L24	IO_L10P_T1U_N6_QBC_AD4P_66	SZG_PORTA_S5_D3P	98.37	660.0	77.6	66
PORTA	11	M21	IO_L2N_T0L_N3_66	SZG_PORTA_S6_D2N	94.49	639.1	107.7	66
PORTA	12	L25	IO_L10N_T1U_N7_QBC_AD4N_66	SZG_PORTA_S7_D3N	98.49	666.8	77.0	66
PORTA	13	J19	IO_L3P_T0L_N4_AD15P_66	SZG_PORTA_S8_D4P	91.49	610.5	123.2	66
PORTA	14	K25	IO_L9P_T1L_N4_AD12P_66	SZG_PORTA_S9_D5P	96.96	650.3	89.3	66
PORTA	15	J20	IO_L3N_T0L_N5_AD15N_66	SZG_PORTA_S10_D4N	93.12	627.6	112.7	66
PORTA	16	K26	IO_L9N_T1L_N5_AD12N_66	SZG_PORTA_S11_D5N	96.69	654.3	90.4	66
PORTA	17	L22	IO_L7P_T1L_N0_QBC_AD13P_66	SZG_PORTA_S12_D6P	99.99	671.5	65.7	66
PORTA	18	K22	IO_L11P_T1U_N8_GC_66	SZG_PORTA_S13_D7P	99.62	668.9	75.0	66
PORTA	19	L23	IO_L7N_T1L_N1_QBC_AD13N_66	SZG_PORTA_S14_D6N	100.14	678.4	65.2	66
PORTA	20	K23	IO_L11N_T1U_N9_GC_66	SZG_PORTA_S15_D7N	99.45	673.6	74.1	66
PORTA	21	H24	IO_L14N_T2L_N3_GC_66	SZG_PORTA_S16	98.01	655.7	77.1	66
PORTA	22	L19	IO_L4N_T0U_N7_DBC_AD7N_66	SZG_PORTA_S17	93.93	639.1	104.1	66
PORTA	23	J21	IO_L5N_T0U_N9_AD14N_66	SZG_PORTA_S18	95.05	651.4	105.1	66
PORTA	24	M19	IO_L4P_T0U_N6_DBC_AD7P_66	SZG_PORTA_S19	93.84	645.1	103.7	66
PORTA	25	H23	IO_L14P_T2L_N2_GC_66	SZG_PORTA_S20	98.23	666.9	77.0	66
PORTA	26	L20	IO_L6P_T0U_N10_AD6P_66	SZG_PORTA_S21	93.99	637.6	104.3	66
PORTA	27	K21	IO_L5P_T0U_N8_AD14P_66	SZG_PORTA_S22	95.39	655.8	103.8	66
PORTA	28	K20	IO_L6N_T0U_N11_AD6N_66	SZG_PORTA_S23	94.07	644.7	103.7	66
PORTA	29	F24	IO_L16P_T2U_N6_QBC_AD3P_66	SZG_PORTA_S24	95.79	650.0	90.5	66
PORTA	30	J26	IO_L15N_T2L_N5_AD11N_66	SZG_PORTA_S25	93.64	625.6	103.4	66

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTA	31	F25	IO_L16N_T2U_N7_QBC_AD3N_66	SZG_PORTA_S26	96.91	666.1	91.0	66
PORTA	32	J25	IO_L15P_T2L_N4_AD11P_66	SZG_PORTA_S27	93.93	643.3	103.6	66
PORTA	33	J23	IO_L12P_T1U_N10_GC_66	SZG_PORTA_P2C_CLKP	99.02	662.8	73.6	66
PORTA	34	H26	IO_L17P_T2U_N8_AD10P_66	SZG_PORTA_C2P_CLKP	94.39	644.1	100.0	66
PORTA	35	J24	IO_L12N_T1U_N11_GC_66	SZG_PORTA_P2C_CLKN	99.14	669.5	73.0	66
PORTA	36	G26	IO_L17N_T2U_N9_AD10N_66	SZG_PORTA_C2P_CLKN	94.72	652.3	98.0	66
PORTA	37			RSVD				
PORTA	38			RSVD				
PORTA	39		VCCO_67,VCCO_66	VIO1				
PORTA	40			+3.3V_SZG				
PORTB	1			FX3_SCL_3V3				
PORTB	2			+5V_SZG				
PORTB	3			FX3_SDA_3V3				
PORTB	4			R_GA				
PORTB	5	A22	IO_L19P_T3L_N0_DBC_AD9P_67	SZG_PORTB_S0_D0P	53.97	361.4	97.4	67
PORTB	6	A24	IO_L23P_T3U_N8_67	SZG_PORTB_S1_D1P	53.16	355.8	100.5	67
PORTB	7	A23	IO_L19N_T3L_N1_DBC_AD9N_67	SZG_PORTB_S2_D0N	54.00	367.5	97.4	67
PORTB	8	A25	IO_L23N_T3U_N9_67	SZG_PORTB_S3_D1N	53.35	363.0	100.2	67
PORTB	9	E21	IO_L20P_T3L_N2_AD1P_67	SZG_PORTB_S4_D2P	57.56	376.7	74.5	67
PORTB	10	D24	IO_L21P_T3L_N4_AD8P_66	SZG_PORTB_S5_D3P	53.87	351.1	105.6	66
PORTB	11	D21	IO_L20N_T3L_N3_AD1N_67	SZG_PORTB_S6_D2N	57.56	382.5	73.7	67
PORTB	12	D25	IO_L21N_T3L_N5_AD8N_66	SZG_PORTB_S7_D3N	53.59	355.0	107.1	66
PORTB	13	E25	IO_L19P_T3L_N0_DBC_AD9P_66	SZG_PORTB_S8_D4P	51.95	335.8	110.2	66
PORTB	14	C23	IO_L21P_T3L_N4_AD8P_67	SZG_PORTB_S9_D5P	55.24	360.5	90.6	67
PORTB	15	E26	IO_L19N_T3L_N1_DBC_AD9N_66	SZG_PORTB_S10_D4N	51.88	341.2	110.2	66
PORTB	16	B24	IO_L21N_T3L_N5_AD8N_67	SZG_PORTB_S11_D5N	55.09	365.4	91.1	67
PORTB	17	F23	IO_L20P_T3L_N2_AD1P_66	SZG_PORTB_S12_D6P	56.33	366.2	91.9	66
PORTB	18	C21	IO_L22P_T3U_N6_DBC_AD0P_67	SZG_PORTB_S13_D7P	56.93	372.3	87.1	67
PORTB	19	E23	IO_L20N_T3L_N3_AD1N_66	SZG_PORTB_S14_D6N	56.49	373.2	90.5	66
PORTB	20	B21	IO_L22N_T3U_N7_DBC_AD0N_67	SZG_PORTB_S15_D7N	56.87	377.7	87.1	67
PORTB	21	D26	IO_L23P_T3U_N8_66	SZG_PORTB_S16	50.64	339.3	117.5	66
PORTB	22	C26	IO_L23N_T3U_N9_66	SZG_PORTB_S17	51.69	346.5	116.4	66
PORTB	23	B26	IO_L24N_T3U_N11_66	SZG_PORTB_S18	53.28	364.0	115.8	66

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTB	24	B25	IO_L24P_T3U_N10_66	SZG_PORTB_S19	51.97	354.9	115.5	66
PORTB	25	D23	IO_L22P_T3U_N6_DBC_AD0P_66	SZG_PORTB_S20	54.42	365.4	99.4	66
PORTB	26	C24	IO_L22N_T3U_N7_DBC_AD0N_66	SZG_PORTB_S21	54.20	363.9	99.1	66
PORTB	27	B20	IO_L14N_T2L_N3_GC_67	SZG_PORTB_S22	53.55	365.8	98.2	67
PORTB	28	C22	IO_L24P_T3U_N10_67	SZG_PORTB_S23	56.51	386.4	79.3	67
PORTB	29	B22	IO_L24N_T3U_N11_67	SZG_PORTB_S24	56.47	377.7	81.5	67
PORTB	30	A20	IO_L18N_T2U_N11_AD2N_67	SZG_PORTB_S25	54.44	365.6	100.5	67
PORTB	31	D20	IO_L12N_T1U_N11_GC_67	SZG_PORTB_S26	53.86	365.9	96.3	67
PORTB	32	G21	IO_L9N_T1L_N5_AD12N_67	SZG_PORTB_S27	56.41	383.6	81.9	67
PORTB	33	G24	IO_L13P_T2L_N0_GC_QBC_66	SZG_PORTB_P2C_CLKP	56.91	370.3	92.1	66
PORTB	34	H21	IO_L18P_T2U_N10_AD2P_66	SZG_PORTB_C2P_CLKP	58.88	383.9	78.1	66
PORTB	35	G25	IO_L13N_T2L_N1_GC_QBC_66	SZG_PORTB_P2C_CLKN	56.87	375.8	91.5	66
PORTB	36	H22	IO_L18N_T2U_N11_AD2N_66	SZG_PORTB_C2P_CLKN	59.07	391.1	76.9	66
PORTB	37			RSVD				
PORTB	38			RSVD				
PORTB	39		VCCO_67,VCCO_66	VIO1				
PORTB	40			+3.3V_SZG				
PORTC	1			FX3_SCL_3V3				
PORTC	2			+5V_SZG				
PORTC	3			FX3_SDA_3V3				
PORTC	4			R_GA				
PORTC	5	F20	IO_L10P_T1U_N6_QBC_AD4P_67	SZG_PORTC_S0_D0P	82.19	545.9	85.2	67
PORTC	6	C18	IO_L13P_T2L_N0_GC_QBC_67	SZG_PORTC_S1_D1P	78.42	533.2	97.9	67
PORTC	7	E20	IO_L10N_T1U_N7_QBC_AD4N_67	SZG_PORTC_S2_D0N	81.99	550.4	85.6	67
PORTC	8	C19	IO_L13N_T2L_N1_GC_QBC_67	SZG_PORTC_S3_D1N	78.44	539.2	97.7	67
PORTC	9	H18	IO_L7P_T1L_N0_QBC_AD13P_67	SZG_PORTC_S4_D2P	80.27	532.5	82.4	67
PORTC	10	H17	IO_L2P_T0L_N2_67	SZG_PORTC_S5_D3P	79.88	529.9	86.5	67
PORTC	11	H19	IO_L7N_T1L_N1_QBC_AD13N_67	SZG_PORTC_S6_D2N	80.45	539.7	81.9	67
PORTC	12	G17	IO_L2N_T0L_N3_67	SZG_PORTC_S7_D3N	79.69	534.4	87.1	67
PORTC	13	F18	IO_L8P_T1L_N2_AD5P_67	SZG_PORTC_S8_D4P	76.67	509.4	106.8	67
PORTC	14	A17	IO_L16P_T2U_N6_QBC_AD3P_67	SZG_PORTC_S9_D5P	75.61	502.1	115.8	67
PORTC	15	F19	IO_L8N_T1L_N3_AD5N_67	SZG_PORTC_S10_D4N	77.83	523.3	99.1	67
PORTC	16	A18	IO_L16N_T2U_N7_QBC_AD3N_67	SZG_PORTC_S11_D5N	75.48	507.0	116.5	67

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTC	17	E16	IO_L4P_T0U_N6_DBC_AD7P_67	SZG_PORTC_S12_D6P	79.07	524.2	105.2	67
PORTC	18	B15	IO_L17P_T2U_N8_AD10P_67	SZG_PORTC_S13_D7P	75.52	499.6	117.8	67
PORTC	19	E17	IO_L4N_T0U_N7_DBC_AD7N_67	SZG_PORTC_S14_D6N	78.91	529.0	105.5	67
PORTC	20	A15	IO_L17N_T2U_N9_AD10N_67	SZG_PORTC_S15_D7N	75.26	503.6	118.6	67
PORTC	21	A19	IO_L18P_T2U_N10_AD2P_67	SZG_PORTC_S16	77.01	521.9	101.9	67
PORTC	22	B19	IO_L14P_T2L_N2_GC_67	SZG_PORTC_S17	78.09	529.4	98.5	67
PORTC	23	H16	IO_L5P_T0U_N8_AD14P_67	SZG_PORTC_S18	82.03	549.7	85.8	67
PORTC	24	D16	IO_L6P_T0U_N10_AD6P_67	SZG_PORTC_S19	76.48	524.8	111.4	67
PORTC	25	D19	IO_L12P_T1U_N10_GC_67	SZG_PORTC_S20	78.93	533.2	96.1	67
PORTC	26	E15	IO_L3P_T0L_N4_AD15P_67	SZG_PORTC_S21	77.51	523.4	106.0	67
PORTC	27	G20	IO_L9P_T1L_N4_AD12P_67	SZG_PORTC_S22	80.69	551.9	81.2	67
PORTC	28	C16	IO_L6N_T0U_N11_AD6N_67	SZG_PORTC_S23	75.64	518.9	113.1	67
PORTC	29	G16	IO_L5N_T0U_N9_AD14N_67	SZG_PORTC_S24	79.69	528.8	87.8	67
PORTC	30	F15	IO_L1N_T0L_N1_DBC_67	SZG_PORTC_S25	76.40	515.7	108.0	67
PORTC	31	G15	IO_L1P_T0L_N0_DBC_67	SZG_PORTC_S26	78.93	529.9	107.2	67
PORTC	32	D15	IO_L3N_T0L_N5_AD15N_67	SZG_PORTC_S27	75.93	520.8	108.3	67
PORTC	33	E18	IO_L11P_T1U_N8_GC_67	SZG_PORTC_P2C_CLKP	81.06	551.6	86.7	67
PORTC	34	C17	IO_L15P_T2L_N4_AD11P_67	SZG_PORTC_C2P_CLKP	77.97	518.5	104.1	67
PORTC	35	D18	IO_L11N_T1U_N9_GC_67	SZG_PORTC_P2C_CLKN	80.99	556.9	87.5	67
PORTC	36	B17	IO_L15N_T2L_N5_AD11N_67	SZG_PORTC_C2P_CLKN	77.78	523.0	105.5	67
PORTC	37			RSVD				
PORTC	38			RSVD				
PORTC	39		VCCO_67,VCCO_66	VIO1				
PORTC	40			+3.3V_SZG				
PORTD	1			FX3_SCL_3V3				
PORTD	2			+5V_SZG				
PORTD	3			FX3_SDA_3V3				
PORTD	4			R_GA				
PORTD	5	J12	IO_L1P_AD15P_87	SZG_PORTD_S0_D0P	101.66	692.8	76.1	87
PORTD	6	W12	IO_L12P_AD0P_84	SZG_PORTD_S1_D1P	103.33	704.4	67.2	84
PORTD	7	H12	IO_L1N_AD15N_87	SZG_PORTD_S2_D0N	101.63	698.4	75.3	87
PORTD	8	W13	IO_L12N_AD0N_84	SZG_PORTD_S3_D1N	102.81	706.6	70.4	84
PORTD	9	Y13	IO_L11P_AD1P_84	SZG_PORTD_S4_D2P	99.48	667.9	89.1	84

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTD	10	H14	IO_L3P_AD13P_87	SZG_PORTD_S5_D3P	103.01	702.1	66.2	87
PORTD	11	AA13	IO_L11N_AD1N_84	SZG_PORTD_S6_D2N	99.49	673.9	88.6	84
PORTD	12	G14	IO_L3N_AD13N_87	SZG_PORTD_S7_D3N	102.67	705.6	68.2	87
PORTD	13	J13	IO_L2P_AD14P_87	SZG_PORTD_S8_D4P	103.46	705.4	63.7	87
PORTD	14	AF14	IO_L1P_AD11P_84	SZG_PORTD_S9_D5P	100.38	672.3	97.7	84
PORTD	15	H13	IO_L2N_AD14N_87	SZG_PORTD_S10_D4N	103.55	711.9	62.1	87
PORTD	16	AF15	IO_L1N_AD11N_84	SZG_PORTD_S11_D5N	100.69	680.3	96.9	84
PORTD	17	AE13	IO_L2P_AD10P_84	SZG_PORTD_S12_D6P	96.74	648.8	107.1	84
PORTD	18	AC13	IO_L5P_HDGC_AD7P_84	SZG_PORTD_S13_D7P	100.17	672.7	89.5	84
PORTD	19	AF13	IO_L2N_AD10N_84	SZG_PORTD_S14_D6N	96.28	651.6	109.3	84
PORTD	20	AC14	IO_L5N_HDGC_AD7N_84	SZG_PORTD_S15_D7N	100.15	678.4	89.9	84
PORTD	21	J14	IO_L4N_AD12N_87	SZG_PORTD_S16	103.88	706.1	62.5	87
PORTD	22	J15	IO_L4P_AD12P_87	SZG_PORTD_S17	106.06	721.2	62.6	87
PORTD	23	W14	IO_L10P_AD2P_84	SZG_PORTD_S18	103.42	699.7	63.0	84
PORTD	24	Y15	IO_L7P_HDGC_AD5P_84	SZG_PORTD_S19	101.49	686.3	80.7	84
PORTD	25	AB16	IO_L6N_HDGC_AD6N_84	SZG_PORTD_S20	100.87	673.8	82.8	84
PORTD	26	W15	IO_L10N_AD2N_84	SZG_PORTD_S21	104.10	697.9	62.0	84
PORTD	27	AB15	IO_L6P_HDGC_AD6P_84	SZG_PORTD_S22	101.42	684.1	82.6	84
PORTD	28	AE15	IO_L3N_AD9N_84	SZG_PORTD_S23	100.24	675.9	86.5	84
PORTD	29	AA15	IO_L7N_HDGC_AD5N_84	SZG_PORTD_S24	101.03	674.9	81.2	84
PORTD	30	AD15	IO_L3P_AD9P_84	SZG_PORTD_S25	100.82	673.4	84.1	84
PORTD	31	Y16	IO_L9N_AD3N_84	SZG_PORTD_S26	104.49	705.2	71.5	84
PORTD	32	W16	IO_L9P_AD3P_84	SZG_PORTD_S27	102.39	692.4	69.5	84
PORTD	33	AA14	IO_L8P_HDGC_AD4P_84	SZG_PORTD_P2C_CLKP	102.96	692.2	81.1	84
PORTD	34	AD13	IO_L4P_AD8P_84	SZG_PORTD_C2P_CLKP	99.38	665.3	92.9	84
PORTD	35	AB14	IO_L8N_HDGC_AD4N_84	SZG_PORTD_P2C_CLKN	102.94	697.8	81.1	84
PORTD	36	AD14	IO_L4N_AD8N_84	SZG_PORTD_C2P_CLKN	99.49	671.9	92.9	84
PORTD	37			RSVD				
PORTD	38			RSVD				
PORTD	39		VCCO_84,VCCO_87	VIO2				
PORTD	40			+3.3V_SZG				
PORTE	1			FX3_SCL_3V3				
PORTE	2			+5V_SZG				

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTE	3			FX3_SDA_3V3				
PORTE	4			R_GA				
PORTE	5	AF2	MGTYRXP0_224	SZG_PORTE_RX0P	42.74	247.6	107.6	224
PORTE	6	AF7	MGTYTXP0_224	SZG_PORTE_TX0P	36.70	212.6	108.8	224
PORTE	7	AF1	MGTYRXN0_224	SZG_PORTE_RX0N	42.67	247.2	107.7	224
PORTE	8	AF6	MGTYTXN0_224	SZG_PORTE_TX0N	36.71	212.7	108.8	224
PORTE	9	AE4	MGTYRXP1_224	SZG_PORTE_RX1P	43.84	253.9	93.1	224
PORTE	10	AE9	MGTYTXP1_224	SZG_PORTE_TX1P	37.20	215.4	87.9	224
PORTE	11	AE3	MGTYRXN1_224	SZG_PORTE_RX1N	43.86	254.0	93.2	224
PORTE	12	AE8	MGTYTXN1_224	SZG_PORTE_TX1N	37.22	215.5	87.7	224
PORTE	13	AB7	MGTREFCLK0P_224	SZG_PORTE_REFCLK0P	52.06	342.7	64.9	224
PORTE	14	H9	IO_L3N_AD9N_86	SZG_PORTE_S0	70.69	466.0	105.8	86
PORTE	15	AB6	MGTREFCLK0N_224	SZG_PORTE_REFCLK0N	52.17	343.4	64.8	224
PORTE	16	J9	IO_L3P_AD9P_86	SZG_PORTE_S1	70.43	471.1	104.3	86
PORTE	17	J10	IO_L2N_AD10N_86	SZG_PORTE_S2	71.20	479.2	98.7	86
PORTE	18	H11	IO_L4P_AD8P_86	SZG_PORTE_S3	72.37	475.9	90.3	86
PORTE	19	K9	IO_L1N_AD11N_86	SZG_PORTE_S4	69.43	473.9	111.3	86
PORTE	20	G9	IO_L5N_HDGC_AD7N_86	SZG_PORTE_S5	70.71	473.0	104.6	86
PORTE	21	K10	IO_L1P_AD11P_86	SZG_PORTE_S6	71.38	480.4	104.1	86
PORTE	22	G10	IO_L5P_HDGC_AD7P_86	SZG_PORTE_S7	70.05	459.8	104.9	86
PORTE	23	J11	IO_L2P_AD10P_86	SZG_PORTE_S8	71.66	489.2	94.2	86
PORTE	24	G11	IO_L4N_AD8N_86	SZG_PORTE_S9	72.47	483.6	92.3	86
PORTE	25	AB2	MGTYRXP3_224	SZG_PORTE_RX3P	57.96	383.6	89.5	224
PORTE	26	AC5	MGTYTXP3_224	SZG_PORTE_TX3P	51.39	332.5	80.0	224
PORTE	27	AB1	MGTYRXN3_224	SZG_PORTE_RX3N	57.96	383.6	89.5	224
PORTE	28	AC4	MGTYTXN3_224	SZG_PORTE_TX3N	51.41	332.7	80.2	224
PORTE	29	AD2	MGTYRXP2_224	SZG_PORTE_RX2P	57.26	373.3	95.7	224
PORTE	30	AD7	MGTYTXP2_224	SZG_PORTE_TX2P	51.02	329.8	80.2	224
PORTE	31	AD1	MGTYRXN2_224	SZG_PORTE_RX2N	57.22	373.0	95.9	224
PORTE	32	AD6	MGTYTXN2_224	SZG_PORTE_TX2N	51.15	330.9	80.0	224
PORTE	33	E11	IO_L7P_HDGC_AD5P_86	SZG_PORTE_P2C_CLKP	72.40	485.8	104.9	86
PORTE	34	F10	IO_L6P_HDGC_AD6P_86	SZG_PORTE_C2P_CLKP	69.58	460.7	111.1	86
PORTE	35	E10	IO_L7N_HDGC_AD5N_86	SZG_PORTE_P2C_CLKN	72.11	483.8	106.0	86

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTE	36	F9	IO_L6N_HDGC_AD6N_86	SZG_PORTE_C2P_CLKN	69.36	459.1	112.4	86
PORTE	37			RSVD				
PORTE	38			RSVD				
PORTE	39		VCCO_86	VIO3				
PORTE	40			+3.3V_SZG				
PORTF	1			FX3_SCL_3V3				
PORTF	2			+5V_SZG				
PORTF	3			FX3_SDA_3V3				
PORTF	4			R_GA				
PORTF	5	Y2	MGTYRXP0_225	SZG_PORTF_RX0P	69.99	467.2	77.1	225
PORTF	6	AA5	MGTYTXP0_225	SZG_PORTF_TX0P	64.88	375.8	65.7	225
PORTF	7	Y1	MGTYRXN0_225	SZG_PORTF_RX0N	70.03	467.5	77.1	225
PORTF	8	AA4	MGTYTXN0_225	SZG_PORTF_TX0N	64.91	376.0	65.6	225
PORTF	9	V2	MGTYRXP1_225	SZG_PORTF_RX1P	64.80	425.6	70.2	225
PORTF	10	W5	MGTYTXP1_225	SZG_PORTF_TX1P	64.00	370.6	69.0	225
PORTF	11	V1	MGTYRXN1_225	SZG_PORTF_RX1N	64.75	425.3	70.3	225
PORTF	12	W4	MGTYTXN1_225	SZG_PORTF_TX1N	63.98	370.5	69.1	225
PORTF	13	V7	MGTREFCLK0P_225	SZG_PORTF_REFCLKP	74.38	497.8	52.5	225
PORTF	14	B9	IO_L10P_AD2P_86	SZG_PORTF_S0	79.49	526.8	126.2	86
PORTF	15	V6	MGTREFCLK0N_225	SZG_PORTF_REFCLKN	74.31	497.3	52.3	225
PORTF	16	A10	IO_L11N_AD1N_86	SZG_PORTF_S1	82.10	552.0	122.2	86
PORTF	17	B10	IO_L11P_AD1P_86	SZG_PORTF_S2	81.04	537.7	120.4	86
PORTF	18	A9	IO_L10N_AD2N_86	SZG_PORTF_S3	79.94	530.1	130.0	86
PORTF	19	D9	IO_L9P_AD3P_86	SZG_PORTF_S4	81.36	556.5	119.1	86
PORTF	20	C9	IO_L9N_AD3N_86	SZG_PORTF_S5	80.93	553.5	122.9	86
PORTF	21			NC				
PORTF	22			NC				
PORTF	23			NC				
PORTF	24			NC				
PORTF	25	P2	MGTYRXP3_225	SZG_PORTF_RX3P	57.94	383.6	62.9	225
PORTF	26	R5	MGTYTXP3_225	SZG_PORTF_TX3P	56.58	327.7	53.3	225
PORTF	27	P1	MGTYRXN3_225	SZG_PORTF_RX3N	57.94	383.6	62.9	225
PORTF	28	R4	MGTYTXN3_225	SZG_PORTF_TX3N	56.57	327.7	53.2	225

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTF	29	T2	MGTYRXP2_225	SZG_PORTF_RX2P	55.15	358.6	65.2	225
PORTF	30	U5	MGTYTXP2_225	SZG_PORTF_TX2P	53.16	307.8	58.2	225
PORTF	31	T1	MGTYRXN2_225	SZG_PORTF_RX2N	55.13	358.4	65.4	225
PORTF	32	U4	MGTYTXN2_225	SZG_PORTF_TX2N	53.11	307.5	58.0	225
PORTF	33	D11	IO_L8P_HDGC_AD4P_86	SZG_PORTF_P2C_CLKP	81.33	557.6	111.4	86
PORTF	34	C11	IO_L12P_AD0P_86	SZG_PORTF_C2P_CLKP	84.08	571.2	108.5	86
PORTF	35	D10	IO_L8N_HDGC_AD4N_86	SZG_PORTF_P2C_CLKN	81.17	556.5	112.0	86
PORTF	36	B11	IO_L12N_AD0N_86	SZG_PORTF_C2P_CLKN	83.64	568.2	111.7	86
PORTF	37			RSVD				
PORTF	38			RSVD				
PORTF	39		VCCO_86	VIO3				
PORTF	40			+3.3V_SZG				
J3	1			GND				
J3	2			VREF				
J3	3			GND				
J3	4	AB10		TMS				
J3	5			GND				
J3	6	AE12		TCK				
J3	7			GND				
J3	8	Y10		TDO				
J3	9			GND				
J3	10	AB12		TDI				
J3	11			GND				
J3	12			NC				
J3	13			GND				
J3	14			NC				
J13	2	C14		SFP1_TFAULT_VIO2				87
J13	3	C13		SFP1_TDIS_VIO2				87
J13	4	B12		SFP1_MOD_DEF2_VIO2				87
J13	5	C12		SFP1_MOD_DEF1_VIO2				87
J13	6	D14		SFP1_MOD_DEF0_VIO2				87
J13	7	D13		SFP1_RATE_SELECT0_VIO2				87
J13	8	E13		SFP1_LOS_VIO2				87

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
J13	9	E12		SFP1_RATE_SELECT1_VIO2				87
J13	12	M1	MGTYRXN0_226	SFP1_RDN	44.524	256.83	65.78	226
J13	13	M2	MGTYRXP0_226	SFP1_RDP	44.619	257.38	65.73	226
J13	18	N5	MGTYTXP0_226	SFP1_TDP	56.386	325.52	50.04	226
J13	19	N4	MGTYTXN0_226	SFP1_TDN	56.456	325.93	49.95	226
J14	2	F14		SFP2_TFAULT_VIO2				87
J14	3	F13		SFP2_TDIS_VIO2				87
J14	4	F12		SFP2_MOD_DEF2_VIO2				87
J14	5	G12		SFP2_MOD_DEF1_VIO2				87
J14	6	A14		SFP2_MOD_DEF0_VIO2				87
J14	7	B14		SFP2_RATE_SELECT0_VIO2				87
J14	8	A13		SFP2_LOS_VIO2				87
J14	9	A12		SFP2_RATE_SELECT1_VIO2				87
J14	12	K1	MGTYRXN1_226	SFP2_RDN	30.55	187.88	66.23	226
J14	13	K2	MGTYRXP1_226	SFP2_RDP	30.707	189	66.09	226
J14	18	L5	MGTYTXP1_226	SFP2_TDP	39.722	251.61	52.78	226
J14	19	L4	MGTYTXN1_226	SFP2_TDN	39.832	252.39	52.61	226
J15	1	H2	MGTYRXP2_226	MGTHRXP2_226	78.113	443.41	73.72	226
J16	1	H1	MGTYRXN2_226	MGTHRXN2_226	78.044	443.01	73.79	226
J17	1	J5	MGTYTXP2_226	MGHTXP2_226	66.059	374.3	60.62	226
J18	1	J4	MGTYTXN2_226	MGHTXN2_226	65.983	372.99	60.51	226
J19	1	M7	MGTREFCLK1P_226	MGTREFCLK1P_226	57.798	318.67	36.81	226
J20	1	M6	MGTREFCLK1N_226	MGTREFCLK1N_226	57.684	318.01	37.06	226