

# Pin List: SZG-HUB1450

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			SZG_SCL_3V3				
PORTA	2			+5V_SZG				
PORTA	3			SZG_SDA_3V3				
PORTA	4			R_GA				
PORTA	5	AE25	IO_L1P_T0L_N0_DBC_64	SZG_PORTA_S0_D0P	55.89	356.3	137.4	64
PORTA	6	AD24	IO_L5P_T0U_N8_AD14P_64	SZG_PORTA_S1_D1P	55.76	356.7	138.5	64
PORTA	7	AE26	IO_L1N_T0L_N1_DBC_64	SZG_PORTA_S2_D0N	55.81	355.8	137.7	64
PORTA	8	AD25	IO_L5N_T0U_N9_AD14N_64	SZG_PORTA_S3_D1N	55.79	356.9	138.3	64
PORTA	9	AB25	IO_L2P_T0L_N2_64	SZG_PORTA_S4_D2P	58.61	370.6	119.9	64
PORTA	10	AA22	IO_L10P_T1U_N6_QBC_AD4P_64	SZG_PORTA_S5_D3P	57.01	365.3	130.1	64
PORTA	11	AB26	IO_L2N_T0L_N3_64	SZG_PORTA_S6_D2N	58.42	380.9	121.1	64
PORTA	12	AB22	IO_L10N_T1U_N7_QBC_AD4N_64	SZG_PORTA_S7_D3N	57.24	366.8	128.9	64
PORTA	13	AF24	IO_L3P_T0L_N4_AD15P_64	SZG_PORTA_S8_D4P	55.24	351.9	141.7	64
PORTA	14	AB24	IO_L6P_T0U_N10_AD6P_64	SZG_PORTA_S9_D5P	57.79	370.6	124.9	64
PORTA	15	AF25	IO_L3N_T0L_N5_AD15N_64	SZG_PORTA_S10_D4N	55.05	350.6	143.1	64
PORTA	16	AC24	IO_L6N_T0U_N11_AD6N_64	SZG_PORTA_S11_D5N	57.57	369.1	126.4	64
PORTA	17	AC26	IO_L4P_T0U_N6_DBC_AD7P_64	SZG_PORTA_S12_D6P	58.60	379.3	119.4	64
PORTA	18	AD21	IO_L11P_T1U_N8_GC_64	SZG_PORTA_S13_D7P	56.78	361.6	131.5	64
PORTA	19	AD26	IO_L4N_T0U_N7_DBC_AD7N_64	SZG_PORTA_S14_D6N	58.57	379.1	119.6	64
PORTA	20	AE21	IO_L11N_T1U_N9_GC_64	SZG_PORTA_S15_D7N	56.71	361.2	131.9	64
PORTA	21	AC16	IO_T3U_N12_64	SZG_PORTA_S16	56.86	372.1	130.8	64
PORTA	22	AD18	IO_L16N_T2U_N7_QBC_AD3N_64	SZG_PORTA_S17	57.88	378.3	124.4	64
PORTA	23	AC18	IO_L16P_T2U_N6_QBC_AD3P_64	SZG_PORTA_S18	57.75	383.0	124.9	64
PORTA	24	AE18	IO_T2U_N12_64	SZG_PORTA_S19	57.60	376.4	126.2	64
PORTA	25	AD19	IO_L14N_T2L_N3_GC_64	SZG_PORTA_S20	58.48	382.4	120.3	64
PORTA	26	AF20	IO_T1U_N12_64	SZG_PORTA_S21	57.32	374.5	128.1	64
PORTA	27	AC19	IO_L14P_T2L_N2_GC_64	SZG_PORTA_S22	58.67	389.2	119.1	64
PORTA	28	AC22	IO_L9P_T1L_N4_AD12P_64	SZG_PORTA_S23	57.50	375.7	126.9	64
PORTA	29	AF22	IO_L7N_T1L_N1_QBC_AD13N_64	SZG_PORTA_S24	58.26	380.8	121.9	64
PORTA	30	AE22	IO_L7P_T1L_N0_QBC_AD13P_64	SZG_PORTA_S25	58.12	379.9	122.7	64

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTA	31	AC23	IO_L9N_T1L_N5_AD12N_64	SZG_PORTA_S26	57.02	378.0	130.1	64
PORTA	32	AF15	IO_L1N_AD11N_84	SZG_PORTA_S27	61.54	403.1	99.9	84
PORTA	33	AB21	IO_L12P_T1U_N10_GC_64	SZG_PORTA_P2C_CLKP	57.87	371.8	124.4	64
PORTA	34	AD23	IO_L8P_T1L_N2_AD5P_64	SZG_PORTA_C2P_CLKP	54.39	352.6	147.7	64
PORTA	35	AC21	IO_L12N_T1U_N11_GC_64	SZG_PORTA_P2C_CLKN	57.62	370.1	125.7	64
PORTA	36	AE23	IO_L8N_T1L_N3_AD5N_64	SZG_PORTA_C2P_CLKN	54.79	357.1	144.7	64
PORTA	37			RSVD				
PORTA	38			RSVD				
PORTA	39		VCCO_64,VCCO_84	VIO1				64,84
PORTA	40			+3.3V_SZG				
PORTB	1			SZG_SCL_3V3				
PORTB	2			+5V_SZG				
PORTB	3			SZG_SDA_3V3				
PORTB	4			R_GA				
PORTB	5	AA19	IO_L20P_T3L_N2_AD1P_64	SZG_PORTB_S0_D0P	57.67	368.3	105.2	64
PORTB	6	Y20	IO_L19P_T3L_N0_DBC_AD9P_64	SZG_PORTB_S1_D1P	56.40	361.0	114.1	64
PORTB	7	AB19	IO_L20N_T3L_N3_AD1N_64	SZG_PORTB_S2_D0N	57.81	369.3	104.5	64
PORTB	8	Y21	IO_L19N_T3L_N1_DBC_AD9N_64	SZG_PORTB_S3_D1N	56.56	362.1	113.0	64
PORTB	9	Y17	IO_L23P_T3U_N8_64	SZG_PORTB_S4_D2P	56.40	364.4	113.3	64
PORTB	10	Y18	IO_L24P_T3U_N10_64	SZG_PORTB_S5_D3P	56.73	363.3	112.0	64
PORTB	11	AA17	IO_L23N_T3U_N9_64	SZG_PORTB_S6_D2N	56.36	364.1	113.9	64
PORTB	12	AA18	IO_L24N_T3U_N11_64	SZG_PORTB_S7_D3N	56.39	361.0	114.0	64
PORTB	13	AE17	IO_L17P_T2U_N8_AD10P_64	SZG_PORTB_S8_D4P	51.80	328.6	144.9	64
PORTB	14	AA20	IO_L21P_T3L_N4_AD8P_64	SZG_PORTB_S9_D5P	57.91	371.4	104.0	64
PORTB	15	AF17	IO_L17N_T2U_N9_AD10N_64	SZG_PORTB_S10_D4N	51.61	327.4	145.4	64
PORTB	16	AB20	IO_L21N_T3L_N5_AD8N_64	SZG_PORTB_S11_D5N	57.55	369.0	106.2	64
PORTB	17	AD16	IO_L18P_T2U_N10_AD2P_64	SZG_PORTB_S12_D6P	52.07	335.1	142.8	64
PORTB	18	AB17	IO_L22P_T3U_N6_DBC_AD0P_64	SZG_PORTB_S13_D7P	55.81	357.0	117.6	64
PORTB	19	AE16	IO_L18N_T2U_N11_AD2N_64	SZG_PORTB_S14_D6N	51.81	333.4	144.5	64
PORTB	20	AC17	IO_L22N_T3U_N7_DBC_AD0N_64	SZG_PORTB_S15_D7N	55.88	357.5	117.4	64
PORTB	21	AD14	IO_L4N_AD8N_84	SZG_PORTB_S16	59.17	378.8	95.3	84
PORTB	22	Y15	IO_L7P_HDGC_AD5P_84	SZG_PORTB_S17	60.96	390.9	83.6	84
PORTB	23	AC13	IO_L5P_HDGC_AD7P_84	SZG_PORTB_S18	60.16	390.4	89.0	84

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTB	24	AB15	IO_L6P_HDGC_AD6P_84	SZG_PORTB_S19	58.85	376.5	97.3	84
PORTB	25	AE13	IO_L2P_AD10P_84	SZG_PORTB_S20	58.27	372.0	101.6	84
PORTB	26	AB16	IO_L6N_HDGC_AD6N_84	SZG_PORTB_S21	58.78	376.1	97.8	84
PORTB	27	AD13	IO_L4P_AD8P_84	SZG_PORTB_S22	59.27	384.4	94.9	84
PORTB	28	AC14	IO_L5N_HDGC_AD7N_84	SZG_PORTB_S23	60.06	384.8	89.4	84
PORTB	29	AF14	IO_L1P_AD11P_84	SZG_PORTB_S24	58.63	374.5	98.4	84
PORTB	30	AD15	IO_L3P_AD9P_84	SZG_PORTB_S25	59.63	381.9	92.3	84
PORTB	31	AF13	IO_L2N_AD10N_84	SZG_PORTB_S26	57.48	372.3	106.5	84
PORTB	32	AE15	IO_L3N_AD9N_84	SZG_PORTB_S27	58.39	373.4	100.9	84
PORTB	33	AD20	IO_L13P_T2L_N0_GC_QBC_64	SZG_PORTB_P2C_CLKP	55.65	356.6	118.7	64
PORTB	34	AF18	IO_L15P_T2L_N4_AD11P_64	SZG_PORTB_C2P_CLKP	54.25	344.5	128.1	64
PORTB	35	AE20	IO_L13N_T2L_N1_GC_QBC_64	SZG_PORTB_P2C_CLKN	55.59	356.2	119.2	64
PORTB	36	AF19	IO_L15N_T2L_N5_AD11N_64	SZG_PORTB_C2P_CLKN	54.38	345.4	127.2	64
PORTB	37			RSVD				
PORTB	38			RSVD				
PORTB	39		VCCO_64,VCCO_84	VIO1				64,84
PORTB	40			+3.3V_SZG				
PORTC	1			SZG_SCL_3V3				
PORTC	2			+5V_SZG				
PORTC	3			SZG_SDA_3V3				
PORTC	4			R_GA				
PORTC	5	J15	IO_L4P_AD8P_86	SZG_PORTC_S0_D0P	59.42	380.1	74.3	86
PORTC	6	H14	IO_L3P_AD9P_86	SZG_PORTC_S1_D1P	58.93	378.3	77.5	86
PORTC	7	J14	IO_L4N_AD8N_86	SZG_PORTC_S2_D0N	58.95	377.0	77.5	86
PORTC	8	G14	IO_L3N_AD9N_86	SZG_PORTC_S3_D1N	58.60	376.1	79.5	86
PORTC	9	J13	IO_L2P_AD10P_86	SZG_PORTC_S4_D2P	57.98	375.1	83.6	86
PORTC	10	J12	IO_L1P_AD11P_86	SZG_PORTC_S5_D3P	55.40	354.2	101.6	86
PORTC	11	H13	IO_L2N_AD10N_86	SZG_PORTC_S6_D2N	58.03	375.4	83.2	86
PORTC	12	H12	IO_L1N_AD11N_86	SZG_PORTC_S7_D3N	55.65	355.9	99.4	86
PORTC	13	J11	IO_L2P_AD14P_85	SZG_PORTC_S8_D4P	57.11	364.6	89.6	85
PORTC	14	H11	IO_L4P_AD12P_85	SZG_PORTC_S9_D5P	57.25	366.9	88.7	85
PORTC	15	J10	IO_L2N_AD14N_85	SZG_PORTC_S10_D4N	56.35	359.4	95.1	85
PORTC	16	G11	IO_L4N_AD12N_85	SZG_PORTC_S11_D5N	56.30	360.4	95.4	85

Connector	Pin	FPGA Pin	Pin Attributes	Net Name	PCB Length (mm)	PCB Delay (pS)	AU25P Package Delay (pS)	I/O Bank
PORTC	17	K10	IO_L1P_AD15P_85	SZG_PORTC_S12_D6P	56.62	365.9	93.3	85
PORTC	18	J9	IO_L3P_AD13P_85	SZG_PORTC_S13_D7P	55.31	353.6	102.1	85
PORTC	19	K9	IO_L1N_AD15N_85	SZG_PORTC_S14_D6N	54.95	354.6	103.9	85
PORTC	20	H9	IO_L3N_AD13N_85	SZG_PORTC_S15_D7N	55.00	351.5	104.1	85
PORTC	21	F10	IO_L6P_HDGC_85	SZG_PORTC_S16	54.57	347.8	106.9	85
PORTC	22	G9	IO_L5N_HDGC_85	SZG_PORTC_S17	54.79	348.9	105.3	85
PORTC	23	G10	IO_L5P_HDGC_85	SZG_PORTC_S18	54.64	353.1	105.8	85
PORTC	24	F9	IO_L6N_HDGC_85	SZG_PORTC_S19	54.60	347.6	106.9	85
PORTC	25	E10	IO_L7N_HDGC_85	SZG_PORTC_S20	54.04	343.4	110.5	85
PORTC	26	D9	IO_L9P_AD11P_85	SZG_PORTC_S21	52.41	332.6	121.6	85
PORTC	27	E11	IO_L7P_HDGC_85	SZG_PORTC_S22	54.20	350.1	109.2	85
PORTC	28	C9	IO_L9N_AD11N_85	SZG_PORTC_S23	52.00	329.9	124.3	85
PORTC	29	B11	IO_L12N_AD8N_85	SZG_PORTC_S24	53.05	336.7	117.1	85
PORTC	30	B10	IO_L11P_AD9P_85	SZG_PORTC_S25	51.80	328.5	125.1	85
PORTC	31	C11	IO_L12P_AD8P_85	SZG_PORTC_S26	53.63	346.2	113.2	85
PORTC	32	A10	IO_L11N_AD9N_85	SZG_PORTC_S27	51.29	325.0	129.0	85
PORTC	33	D11	IO_L8P_HDGC_85	SZG_PORTC_P2C_CLKP	53.37	339.2	114.6	85
PORTC	34	B9	IO_L10P_AD10P_85	SZG_PORTC_C2P_CLKP	51.25	325.8	128.5	85
PORTC	35	D10	IO_L8N_HDGC_85	SZG_PORTC_P2C_CLKN	53.42	339.6	114.1	85
PORTC	36	A9	IO_L10N_AD10N_85	SZG_PORTC_C2P_CLKN	50.74	322.3	132.3	85
PORTC	37			RSVD				
PORTC	38			RSVD				
PORTC	39		VCCO_85,VCCO_86	VIO2				85,86
PORTC	40			+3.3V_SZG				
JTAG	1			+1.8V				
JTAG	2	AB10	TMS_0	TMS				
JTAG	3	AB12	TDI_0	TDI				
JTAG	4	AE12	TCK_0	TCK				
JTAG	5			GND				
JTAG	6	Y10	TDO_0	TDO				