Pin List: XEM7320

2024-05-09

Connector	Pin	FPGA Pin	Pin Attribute	Description	PCB Length (mm)	Package Length - A75 (mm)	I/O Bank
PORTA	1			SCL			
PORTA	2			+5V			
PORTA	3			SDA			
PORTA	4			R_GA			
PORTA	5	AA10	IO_L9P_T1_DQS_13	S0_D0P	41.462	23.304	13
PORTA	6	AA9	IO_L8P_T1_13	S1_D1P	38.520	25.372	13
PORTA	7	AA11	IO_L9N_T1_DQS_13	S2_D0N	40.336	23.584	13
PORTA	8	AB10	IO_L8N_T1_13	S3_D1N	37.645	26.464	13
PORTA	9	Y11	IO_L11P_T1_SRCC_13	S4_D2P	40.965	22.050	13
PORTA	10	AA13	IO_L3P_T0_DQS_13	S5_D3P	38.200	24.856	13
PORTA	11	Y12	IO_L11N_T1_SRCC_13	S6_D2N	40.962	22.306	13
PORTA	12	AB13	IO_L3N_T0_DQS_13	S7_D3N	37.262	25.994	13
PORTA	13	AB16	IO_L2P_T0_13	S8_D4P	42.294	22.230	13
PORTA	14	V10	IO_L10P_T1_13	S9_D5P	37.435	25.372	13
PORTA	15	AB17	IO_L2N_T0_13	S10_D4N	43.526	20.800	13
PORTA	16	W10	IO_L10N_T1_13	S11_D5N	37.875	25.004	13
PORTA	17	AB11	IO_L7P_T1_13	S12_D6P	39.405	25.047	13
PORTA	18	Y16	IO_L1P_T0_13	S13_D7P	42.078	20.483	13
PORTA	19	AB12	IO_L7N_T1_13	S14_D6N	39.543	24.668	13
PORTA	20	AA16	IO_L1N_T0_13	S15_D7N	41.760	20.597	13
PORTA	21	Y14	IO_L6N_T0_VREF_13	S16	42.644	20.952	13
PORTA	22	W14	IO_L6P_T0_13	S17	42.468	21.016	13
PORTA	23	AA15	IO_L4P_T0_13	S18	42.075	22.040	13
PORTA	24	V13	IO_L13P_T2_MRCC_13	S19	45.478	18.004	13
PORTA	25	U15	IO_L14P_T2_SRCC_13	S20	44.894	17.755	13
PORTA	26	V14	IO_L13N_T2_MRCC_13	S21	44.839	18.006	13
PORTA	27	AB15	IO_L4N_T0_13	S22	41.242	21.445	13
PORTA	28	V15	IO_L14N_T2_SRCC_13	S23	44.638	18.324	13
PORTA	29	AA14	IO_L5N_T0_13	S24	40.868	21.560	13
PORTA	30	T14	IO_L15P_T2_DQS_13	S25	47.503	14.905	13

Connector	Pin	FPGA Pin	Pin Attribute	Description	PCB Length (mm)	Package Length - A75 (mm)	I/O Bank
PORTA	31	Y13	IO_L5P_T0_13	S26	43.352	20.856	13
PORTA	32	T15	IO_L15N_T2_DQS_13	S27	49.353	14.422	13
PORTA	33	W11	IO_L12P_T1_MRCC_13	P2C_CLKp	42.700	22.098	13
PORTA	34	W15	IO_L16P_T2_13	C2P_CLKp	48.541	14.287	13
PORTA	35	W12	IO_L12N_T1_MRCC_13	P2C_CLKn	42.708	22.106	13
PORTA	36	W16	IO_L16N_T2_13	C2P_CLKn	48.537	14.049	13
PORTA	37			RSVD			
PORTA	38			RSVD			
PORTA	39		VCCO_13	VIO			
PORTA	40			+3.3V			
PORTB	1			SCL			
PORTB	2			+5V			
PORTB	3			SDA			
PORTB	4			R_GA			
PORTB	5	W1	IO_L5P_T0_34	S0_D0P	40.901	20.589	34
PORTB	6	U3	IO_L6P_T0_34	S1_D1P	41.609	18.875	34
PORTB	7	Y1	IO_L5N_T0_34	S2_D0N	39.171	22.319	34
PORTB	8	V3	IO_L6N_T0_VREF_34	S3_D1N	42.374	18.110	34
PORTB	9	U6	IO_L16P_T2_34	S4_D2P	45.439	16.292	34
PORTB	10	W6	IO_L15P_T2_DQS_34	S5_D3P	42.231	17.823	34
PORTB	11	V5	IO_L16N_T2_34	S6_D2N	45.477	16.050	34
PORTB	12	W5	IO_L15N_T2_DQS_34	S7_D3N	41.570	18.341	34
PORTB	13	U2	IO_L2P_T0_34	S8_D4P	40.790	20.861	34
PORTB	14	AA1	IO_L7P_T1_34	S9_D5P	34.674	25.570	34
PORTB	15	V2	IO_L2N_T0_34	S10_D4N	42.503	19.098	34
PORTB	16	AB1	IO_L7N_T1_34	S11_D5N	34.371	25.837	34
PORTB	17	W2	IO_L4P_T0_34	S12_D6P	40.355	21.303	34
PORTB	18	Y3	IO_L9P_T1_DQS_34	S13_D7P	38.149	22.062	34
PORTB	19	Y2	IO_L4N_T0_34	S14_D6N	40.854	20.597	34
PORTB	20	AA3	IO_L9N_T1_DQS_34	S15_D7N	38.091	21.951	34
PORTB	21	AB3	IO_L8P_T1_34	S16	36.202	25.545	34
PORTB	22	AB2	IO_L8N_T1_34	S17	34.894	25.438	34
PORTB	23	AA5	IO_L10P_T1_34	S18	37.477	24.061	34

Connector	Pin	FPGA Pin	Pin Attribute	Description	PCB Length (mm)	Package Length - A75 (mm)	I/O Bank
PORTB	24	AA4	IO_L11N_T1_SRCC_34	S19	38.779	20.945	34
PORTB	25	Y7	IO_L23N_T3_34	S20	45.170	15.306	34
PORTB	26	Y6	IO_L18P_T2_34	S21	42.999	16.828	34
PORTB	27	AB5	IO_L10N_T1_34	S22	36.354	24.343	34
PORTB	28	U5	IO_L14N_T2_SRCC_34	S23	46.158	14.412	34
PORTB	29	AB6	IO_L20N_T3_34	S24	42.339	17.546	34
PORTB	30	AB7	IO_L20P_T3_34	S25	41.209	19.185	34
PORTB	31	AA6	IO_L18N_T2_34	S26	43.827	16.906	34
PORTB	32	Y4	IO_L11P_T1_SRCC_34	S27	38.071	21.397	34
PORTB	33	V4	IO_L12P_T1_MRCC_34	P2C_CLKp	40.603	19.967	34
PORTB	34	AA8	IO_L22P_T3_34	C2P_CLKp	41.667	18.512	34
PORTB	35	W4	IO_L12N_T1_MRCC_34	P2C_CLKn	39.966	20.836	34
PORTB	36	AB8	IO_L22N_T3_34	C2P_CLKn	41.693	18.486	34
PORTB	37			RSVD			
PORTB	38			RSVD			
PORTB	39		VCCO_34	VIO			
PORTB	40			+3.3V			
PORTC	1			SCL			
PORTC	2			+5V			
PORTC	3			SDA			
PORTC	4			R_GA			
PORTC	5	B8	MGTPRXP0_216	RX0p	30.55	10.239	216
PORTC	6	B4	MGTPTXP0_216	TX0p	21.951	14.547	216
PORTC	7	A8	MGTPRXN0_216	RX0n	30.347	10.442	216
PORTC	8	A4	MGTPTXN0_216	TX0n	21.666	14.615	216
PORTC	9	D11	MGTPRXP1_216	RX1p	27.650	8.644	216
PORTC	10	D5	MGTPTXP1_216	TX1p	27.868	10.460	216
PORTC	11	C11	MGTPRXN1_216	RX1n	27.358	8.763	216
PORTC	12	C5	MGTPTXN1_216	TX1n	27.611	10.523	216
PORTC	13	F6	MGTREFCLK0P_216	REFCLKp	30.741	8.600	216
PORTC	14	F3	IO_L6P_T0_35	S0	28.912	16.002	35
PORTC	15	E6	MGTREFCLK0N_216	REFCLKn	30.451	9.119	216
PORTC	16	J5	IO_L10P_T1_AD15P_35	S1	33.095	12.822	35

Connector	Pin	FPGA Pin	Pin Attribute	Description	PCB Length (mm)	Package Length - A75 (mm)	I/O Bank
PORTC	17	E2	IO_L4P_T0_35	S2	28.968	17.409	35
PORTC	18	E3	IO_L6N_T0_VREF_35	S3	29.345	15.415	35
PORTC	19	G3	IO_L11N_T1_SRCC_35	S4	32.396	14.336	35
PORTC	20	H3	IO_L11P_T1_SRCC_35	S5	30.968	13.815	35
PORTC	21	D2	IO_L4N_T0_35	S6	27.187	17.661	35
PORTC	22	H2	IO_L8P_T1_AD14P_35	S7	32.952	13.683	35
PORTC	23	G2	IO_L8N_T1_AD14N_35	S8	32.500	13.774	35
PORTC	24	H5	IO_L10N_T1_AD15N_35	S9	31.651	13.078	35
PORTC	25	C2	IO_L2P_T0_AD12P_35	S10	27.502	17.432	35
PORTC	26	B2	IO_L2N_T0_AD12N_35	S11	27.275	17.353	35
PORTC	27	G1	IO_L5P_T0_AD13P_35	S12	31.864	15.227	35
PORTC	28	J2	IO_L9N_T1_DQS_AD7N_35	S13	31.501	14.524	35
PORTC	29	A1	IO_L1N_T0_AD4N_35	S14	26.431	18.664	35
PORTC	30	B1	IO_L1P_T0_AD4P_35	S15	26.085	18.565	35
PORTC	31	F1	IO_L5N_T0_AD13N_35	S16	30.917	15.626	35
PORTC	32	J1	IO_L7N_T1_AD6N_35	S17	28.967	16.680	35
PORTC	33	H4	IO_L12P_T1_MRCC_35	P2C_CLKp	33.500	12.530	35
PORTC	34	E1	IO_L3P_T0_DQS_AD5P_35	C2P_CLKp	29.282	16.421	35
PORTC	35	G4	IO_L12N_T1_MRCC_35	P2C_CLKn	33.202	12.636	35
PORTC	36	D1	IO_L3N_T0_DQS_AD5N_35	C2P_CLKn	29.422	16.281	35
PORTC	37			RSVD			
PORTC	38			RSVD			
PORTC	39		VCCO_35	VIO			
PORTC	40			+3.3V			
J2	1			GND			
J2	2		VCCO_0	VREF			
J2	3			GND			
J2	4	T13		TMS			
J2	5			GND			
J2	6	V12		TCK			
J2	7			GND			
J2	8	U13		TDO			
J2	9			GND			

Connector	Pin	FPGA Pin	Pin Attribute	Description	PCB Length (mm)	Package Length - A75 (mm)	I/O Bank
J2	10	R13		TDI			
J2	11			GND			
J2	12			NC			
J2	13			GND			
J2	14			NC			