

Pin List: XEM7320

2021-12-07

Connector	Pin	FPGA Pin	Description	PCB Length (mm)	Package Length - A75 (mm)
PORTA	1		SCL		
PORTA	2		+5V		
PORTA	3		SDA		
PORTA	4		R_GA		
PORTA	5	AA10	S0_D0P	41.462	23.304
PORTA	6	AA9	S1_D1P	38.520	25.372
PORTA	7	AA11	S2_D0N	40.336	23.584
PORTA	8	AB10	S3_D1N	37.645	26.464
PORTA	9	Y11	S4_D2P	40.965	22.050
PORTA	10	AA13	S5_D3P	38.200	24.856
PORTA	11	Y12	S6_D2N	40.962	22.306
PORTA	12	AB13	S7_D3N	37.262	25.994
PORTA	13	AB16	S8_D4P	42.294	22.230
PORTA	14	V10	S9_D5P	37.435	25.372
PORTA	15	AB17	S10_D4N	43.526	20.800
PORTA	16	W10	S11_D5N	37.875	25.004
PORTA	17	AB11	S12_D6P	39.405	25.047
PORTA	18	Y16	S13_D7P	42.078	20.483
PORTA	19	AB12	S14_D6N	39.543	24.668
PORTA	20	AA16	S15_D7N	41.760	20.597
PORTA	21	Y14	S16	42.644	20.952
PORTA	22	W14	S17	42.468	21.016
PORTA	23	AA15	S18	42.075	22.040
PORTA	24	V13	S19	45.478	18.004
PORTA	25	U15	S20	44.894	17.755
PORTA	26	V14	S21	44.839	18.006
PORTA	27	AB15	S22	41.242	21.445
PORTA	28	V15	S23	44.638	18.324
PORTA	29	AA14	S24	40.868	21.560
PORTA	30	T14	S25	47.503	14.905
PORTA	31	Y13	S26	43.352	20.856

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PORTA	32	T15	S27	49.353	14.422
PORTA	33	W11	P2C_CLKp	42.700	22.098
PORTA	34	W15	C2P_CLKp	48.541	14.287
PORTA	35	W12	P2C_CLKn	42.708	22.106
PORTA	36	W16	C2P_CLKn	48.537	14.049
PORTA	37		RSVD		
PORTA	38		RSVD		
PORTA	39		VIO		
PORTA	40		+3.3V		
PORTB	1		SCL		
PORTB	2		+5V		
PORTB	3		SDA		
PORTB	4		R_GA		
PORTB	5	W1	S0_D0P	40.901	20.589
PORTB	6	U3	S1_D1P	41.609	18.875
PORTB	7	Y1	S2_D0N	39.171	22.319
PORTB	8	V3	S3_D1N	42.374	18.110
PORTB	9	U6	S4_D2P	45.439	16.292
PORTB	10	W6	S5_D3P	42.231	17.823
PORTB	11	V5	S6_D2N	45.477	16.050
PORTB	12	W5	S7_D3N	41.570	18.341
PORTB	13	U2	S8_D4P	40.790	20.861
PORTB	14	AA1	S9_D5P	34.674	25.570
PORTB	15	V2	S10_D4N	42.503	19.098
PORTB	16	AB1	S11_D5N	34.371	25.837
PORTB	17	W2	S12_D6P	40.355	21.303
PORTB	18	Y3	S13_D7P	38.149	22.062
PORTB	19	Y2	S14_D6N	40.854	20.597
PORTB	20	AA3	S15_D7N	38.091	21.951
PORTB	21	AB3	S16	36.202	25.545
PORTB	22	AB2	S17	34.894	25.438
PORTB	23	AA5	S18	37.477	24.061
PORTB	24	AA4	S19	38.779	20.945
PORTB	25	Y7	S20	45.170	15.306

Connector	Pin	FPGA Pin	Description	PCB Length (mm)	Package Length - A75 (mm)
PORTB	26	Y6	S21	42.999	16.828
PORTB	27	AB5	S22	36.354	24.343
PORTB	28	U5	S23	46.158	14.412
PORTB	29	AB6	S24	42.339	17.546
PORTB	30	AB7	S25	41.209	19.185
PORTB	31	AA6	S26	43.827	16.906
PORTB	32	Y4	S27	38.071	21.397
PORTB	33	V4	P2C_CLKp	40.603	19.967
PORTB	34	AA8	C2P_CLKp	41.667	18.512
PORTB	35	W4	P2C_CLKn	39.966	20.836
PORTB	36	AB8	C2P_CLKn	41.693	18.486
PORTB	37		RSVD		
PORTB	38		RSVD		
PORTB	39		VIO		
PORTB	40		+3.3V		
PORTC	1		SCL		
PORTC	2		+5V		
PORTC	3		SDA		
PORTC	4		R_GA		
PORTC	5	B8	RX0p	30.55	10.239
PORTC	6	B4	TX0p	21.951	14.547
PORTC	7	A8	RX0n	30.347	10.442
PORTC	8	A4	TX0n	21.666	14.615
PORTC	9	D11	RX1p	27.650	8.644
PORTC	10	D5	TX1p	27.868	10.460
PORTC	11	C11	RX1n	27.358	8.763
PORTC	12	C5	TX1n	27.611	10.523
PORTC	13	F6	REFCLKp	30.741	8.600
PORTC	14	F3	S0	28.912	16.002
PORTC	15	E6	REFCLKn	30.451	9.119
PORTC	16	J5	S1	33.095	12.822
PORTC	17	E2	S2	28.968	17.409
PORTC	18	E3	S3	29.345	15.415
PORTC	19	G3	S4	32.396	14.336

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PORTC	20	H3	S5	30.968	13.815
PORTC	21	D2	S6	27.187	17.661
PORTC	22	H2	S7	32.952	13.683
PORTC	23	G2	S8	32.500	13.774
PORTC	24	H5	S9	31.651	13.078
PORTC	25	C2	S10	27.502	17.432
PORTC	26	B2	S11	27.275	17.353
PORTC	27	G1	S12	31.864	15.227
PORTC	28	J2	S13	31.501	14.524
PORTC	29	A1	S14	26.431	18.664
PORTC	30	B1	S15	26.085	18.565
PORTC	31	F1	S16	30.917	15.626
PORTC	32	J1	S17	28.967	16.680
PORTC	33	H4	P2C_CLKp	33.500	12.530
PORTC	34	E1	C2P_CLKp	29.282	16.421
PORTC	35	G4	P2C_CLKn	33.202	12.636
PORTC	36	D1	C2P_CLKn	29.422	16.281
PORTC	37		RSVD		
PORTC	38		RSVD		
PORTC	39		VIO		
PORTC	40		+3.3V		
J2	1		GND		
J2	2		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		
J2	10	R13	TDI		
J2	11		GND		
J2	12		NC		
J2	13		GND		

Connector	Pin	FPGA Pin	Description	PCB Length (mm)	Package Length - A75 (mm)
J2	14		NC		