

Pin List: XEM3050

2024-10-15

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3010	EVB1005
JP2	1		DGND		JP1-2	
JP2	2		+3.3VDD		JP1-1	
JP2	3		+2.5VDD		JP1-4	
JP2	4		+3.3VDD		JP1-3	
JP2	5		JTAG_TCK		JP1-6	
JP2	6		+3.3VDD		JP1-5	
JP2	7		JTAG_TMS		JP1-8	
JP2	8		X_TDO		JP1-7	
JP2	9		X_TDI		JP1-10	
JP2	10	D3	FPGA_PROG_B			
JP2	11		SYS_CLK4		JP1-12	
JP2	12					
JP2	13		DGND		JP1-14	
JP2	14		DGND		JP1-13	
JP2	15	AC25	L03P_3	9.925	JP1-16	
JP2	16	AB25	L06P_3	12.912	JP1-15	
JP2	17	AC26	L03N_3	10.506	JP1-18	
JP2	18	AB26	L06N_3	11.780	JP1-17	
JP2	19	Y25	L14P_3	10.537	JP1-20	
JP2	20	AA23	L07P_3	14.803	JP1-19	
JP2	21	Y26	L13N_3	11.086	JP1-22	
JP2	22	AA24	L07N_3	13.805	JP1-21	
JP2	23	W23	L17P_3	12.132	JP1-24	
JP2	24	W25	L19P_3	12.889	JP1-23	
JP2	25	W24	L17N_3	12.906	JP1-26	
JP2	26	W26	L19N_3	12.129	JP1-25	
JP2	27	V24	L22P_3	11.062	JP1-28	
JP2	28	V22	L21P_3	15.483	JP1-27	
JP2	29	V25	L22N_3	12.050	JP1-30	
JP2	30	V23	L21N_3	14.824	JP1-29	
JP2	31	U23	L24P_3	12.077	JP1-32	

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3010	EVB1005
JP2	32	U25	L26P_3	12.812	JP1-31	
JP2	33	U24	L24N_3	12.689	JP1-34	
JP2	34	U26	L26N_3	12.194	JP1-33	
JP2	35		+VCCO3		JP1-36	
JP2	36		DGND		JP1-35	
JP2	37	T23	L33P_3	14.667	JP1-38	
JP2	38	T25	L29P_3	12.773	JP1-37	
JP2	39	R24	L33N_3	13.782	JP1-40	
JP2	40	T26	L29N_3	11.587	JP1-39	
JP2	41	P23	L39P_3	13.466	JP2-2	
JP2	42	R25	L34P_3	12.920	JP2-1	
JP2	43	P24	L39N_3	12.424	JP2-4	
JP2	44	R26	L34N_3	11.852	JP2-3	
JP2	45	N24	L39P_2	12.246	JP2-6	
JP2	46	P25	L40P_3	13.122	JP2-5	
JP2	47	N23	L39N_2	11.455	JP2-8	
JP2	48	P26	L40N_3	12.426	JP2-7	
JP2	49	M24	L33P_2	12.523	JP2-10	
JP2	50	N26	L40P_2	12.290	JP2-9	
JP2	51	L23	L33N_2	11.557	JP2-12	
JP2	52	N25	L40N_2	13.075	JP2-11	
JP2	53	K24	L24P_2	10.796	JP2-14	
JP2	54	M26	L34P_2	12.019	JP2-13	
JP2	55		+VCCO2		JP2-16	
JP2	56		DGND		JP2-15	
JP2	57	K23	L24N_2	11.487	JP2-18	
JP2	58	M25	L34N_2	13.063	JP2-17	
JP2	59	J25	L22P_2	11.556	JP2-20	
JP2	60	K26	L26P_2	11.901	JP2-19	
JP2	61	J24	L22N_2	11.209	JP2-22	
JP2	62	K25	L26N_2	12.993	JP2-21	
JP2	63	H26	L19P_2	10.949	JP2-24	
JP2	64	H24	L17P_2	14.578	JP2-23	
JP2	65	H25	L19N_2	10.222	JP2-26	

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3010	EVB1005
JP2	66	H23	L17N_2	15.726	JP2-25	
JP2	67	G26	L10P_2	10.754	JP2-28	
JP2	68	F26	L09P_2	12.055	JP2-27	
JP2	69	G25	L10N_2	10.049	JP2-30	
JP2	70	F25	L09N_2	12.998	JP2-29	
JP2	71	D26	L03P_2	10.576	JP2-32	
JP2	72	F24	L07P_2	14.233	JP2-31	
JP2	73	D25	L03N_2	9.883	JP2-34	
JP2	74	F23	L07N_2	15.313	JP2-33	
JP2	75	E23	L02N_2	14.853	JP2-36	
JP2	76	E24	L02P_2	14.248	JP2-35	
JP2	77	C14	L32P_1/GCLK4	18.246	JP2-38	
JP2	78		DGND		JP2-37	
JP2	79	B14	L32N_1/GCLK5	17.947	JP2-40	
JP2	80		DGND		JP2-39	
JP3	1		+VDC		JP3-2	
JP3	2		DGND		JP3-1	
JP3	3		+VDC		JP3-4	
JP3	4		+1.2VDD		JP3-3	
JP3	5		+VDC		JP3-6	
JP3	6		+1.2VDD		JP3-5	
JP3	7		SYS_CLK6			
JP3	8		SYS_CLK5		JP3-7	
JP3	9		+3.3VDD		JP3-10	
JP3	10		USB_SCL		JP3-9	
JP3	11		+3.3VDD		JP3-12	
JP3	12		USB_SDA		JP3-11	
JP3	13		+3.3VDD		JP3-14	
JP3	14		DGND		JP3-13	
JP3	15	AC1	L03P_6	12.383	JP3-16	
JP3	16	AB1	L05P_6	6.686	JP3-15	
JP3	17	AC2	L03N_6	12.509	JP3-18	
JP3	18	AB2	L05N_6	7.758	JP3-17	
JP3	19	AA3	L07P_6	14.105	JP3-20	

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3010	EVB1005
JP3	20	Y4	L08P_6	9.427	JP3-19	
JP3	21	AA4	L07N_6	15.184	JP3-22	
JP3	22	Y5	L08N_6	10.360	JP3-21	
JP3	23	Y1	L10P_6	11.827	JP3-24	
JP3	24	AA1	L09P_6	5.751	JP3-23	
JP3	25	Y2	L10N_6	12.743	JP3-26	
JP3	26	AA2	L09N_6	6.533	JP3-25	
JP3	27	W1	L19P_6	13.369	JP3-28	
JP3	28	W3	L17P_6	7.339	JP3-27	
JP3	29	W2	L19N_6	14.016	JP3-30	
JP3	30	W4	L17N_6	8.417	JP3-29	
JP3	31	V2	L22P_6	12.439	JP3-32	
JP3	32	U1	L26P_6	5.676	JP3-31	
JP3	33	V3	L22N_6	14.233	JP3-34	
JP3	34	U2	L26N_6	6.594	JP3-33	
JP3	35		DGND		JP3-36	
JP3	36		+VCCO6		JP3-35	
JP3	37	U3	L24P_6	15.558	JP3-38	
JP3	38	T1	L29P_6	5.622	JP3-37	
JP3	39	U4	L24N_6	15.785	JP3-40	
JP3	40	T2	L29N_6	7.301	JP3-39	
JP3	41	R1	L34P_6	11.275	JP4-2	
JP3	42	P1	L40P_6	5.248	JP4-1	
JP3	43	R2	L34N_6	12.137	JP4-4	
JP3	44	P2	L40N_6	6.173	JP4-3	
JP3	45	P3	L39P_6	14.181	JP4-6	
JP3	46	N2	L40P_7	6.842	JP4-5	
JP3	47	P4	L39N_6	15.123	JP4-8	
JP3	48	N1	L40N_7	6.802	JP4-7	
JP3	49	N4	L39P_7	14.234	JP4-10	
JP3	50	M2	L34P_7	6.757	JP4-9	
JP3	51	N3	L39N_7	13.152	JP4-12	
JP3	52	M1	L34N_7	5.560	JP4-11	LV
JP3	53	L4	L33P_7	15.753	JP4-14	

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3010	EVB1005
JP3	54	L2	L29P_7	14.020	JP4-13	FV
JP3	55		DGND		JP4-16	
JP3	56		+VCCO7		JP4-15	
JP3	57	M3	L33N_7	14.451	JP4-18	
JP3	58	L1	L29N_7	9.265	JP4-17	STROBE
JP3	59	K2	L26P_7	13.152	JP4-20	
JP3	60	K4	L24P_7	8.904	JP4-19	PIX11
JP3	61	K1	L26N_7	12.148	JP4-22	
JP3	62	K3	L24N_7	7.836	JP4-21	PIX10
JP3	63	J3	L22P_7	15.347	JP4-24	SDATA
JP3	64	H2	L19P_7	6.753	JP4-23	PIX9
JP3	65	J2	L22N_7	14.677	JP4-26	SCLK
JP3	66	H1	L19N_7	5.731	JP4-25	PIX8
JP3	67	H4	L17P_7	15.747	JP4-28	TRIGGER
JP3	68	G2	L14P_7	7.203	JP4-27	PIX7
JP3	69	H3	L17N_7	14.267	JP4-30	RESET
JP3	70	G1	L14N_7	6.159	JP4-29	PIX6
JP3	71	E2	L06P_7	12.561	JP4-32	PIX2
JP3	72	D2	L03P_7	6.418	JP4-31	PIX5
JP3	73	E1	L06N_7	11.612	JP4-34	PIX1
JP3	74	D1	L03N_7	5.339	JP4-33	PIX4
JP3	75	E4	L02P_7	17.222	JP4-36	PIX0
JP3	76	E3	L02N_7	15.953	JP4-35	PIX3
JP3	77	A13	L32P_0/GCLK6	26.948	JP4-38	PIXCLK
JP3	78		DGND		JP4-37	
JP3	79	B13	L32N_0/GCLK7	24.668	JP4-40	EXTCLK
JP3	80		DGND		JP4-39	