

Pin List: XEM3005

2024-12-07

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3005
JP3	1		DGND		JP6-1
JP3	2		DGND		JP6-2
JP3	3		+5VUSB		JP6-3
JP3	4		PROG_B		JP6-4
JP3	5		+3.3VDD		JP6-5
JP3	6		+1.2VDD		JP6-6
JP3	7		+3.3VDD		JP6-7
JP3	8		+1.2VDD		JP6-8
JP3	9		+3.3VDD		JP6-9
JP3	10		+1.2VDD		JP6-10
JP3	11		+3.3VDD		JP6-11
JP3	12		+1.2VDD		JP6-12
JP3	13				JP6-13
JP3	14				JP6-14
JP3	15				JP6-15
JP3	16				JP6-16
JP3	17				JP6-17
JP3	18				JP6-18
JP3	19		DGND		JP6-19
JP3	20		DGND		JP6-20
JP3	21	T12	IO	17.100	JP6-21
JP3	22	N11	IP_L17P_2	13.737	JP6-22
JP3	23	T14	IP	15.461	JP6-23
JP3	24	M11	IP_17N_2	13.867	JP6-24
JP3	25	N14	IO_L03P_1	14.815	JP6-25
JP3	26	P16	IO_L02P_1	6.766	JP6-26
JP3	27	M14	IP	14.898	JP6-27
JP3	28	N15	IO_L03N_1	7.753	JP6-28
JP3	29	L14	IO_L06P_1	15.328	JP6-29
JP3	30	M16	IO_L04N_1	6.901	JP6-30
JP3	31	L15	IO_L06N_1	14.318	JP6-31

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3005
JP3	32	K15	IO_L08P_1	8.333	JP6-32
JP3	33	M13	IP	15.947	JP6-33
JP3	34	L12	IO_L05P_1	11.809	JP6-34
JP3	35	K14	IO_L08N_1	14.401	JP6-35
JP3	36	L13	IO_L05N_1	9.659	JP6-36
JP3	37	K13	IO_L07P_1	16.038	JP6-37
JP3	38	K12	IO_L07N_1	10.765	JP6-38
JP3	39		DGND		JP6-39
JP3	40		DGND		JP6-40
JP3	41	J12	IP	16.365	JP7-1
JP3	42	J14	IO_L10P_1 / RHCLK2	8.509	JP7-2
JP3	43	J11	IP	18.328	JP7-3
JP3	44	J13	IO_L10N_1 / RHCLK3	9.493	JP7-4
JP3	45	H12	IO_L12P_1 / RHCLK6	16.113	JP7-5
JP3	46	K16	IO_L09P_1 / RHCLK0	6.256	JP7-6
JP3	47	H14	IO_L11N_1 / RHCLK5	13.655	JP7-7
JP3	48	J16	IO_L09N_1 / RHCLK1	6.205	JP7-8
JP3	49	H11	IO_L12N_1 / RHCLK7	17.105	JP7-9
JP3	50	H16	IP	6.091	JP7-10
JP3	51	H13	IP	15.152	JP7-11
JP3	52	H15	IO_L11P_1 / RHCLK4	7.422	JP7-12
JP3	53	G12	IP	16.069	JP7-13
JP3	54	E16	IO_L17N_1	5.859	JP7-14
JP3	55	E13	IO_L17P_1	16.272	JP7-15
JP3	56	D16	IP	5.842	JP7-16
JP3	57	E14	IP	14.376	JP7-17
JP3	58	B16	IP	6.339	JP7-18
JP3	59		DGND		JP7-19
JP3	60		DGND		JP7-20
JP3	61				JP7-21
JP3	62	D12	IP_L02P_0	10.836	JP7-22
JP3	63				JP7-23
JP3	64	B11	IO_L05N_0	11.557	JP7-24
JP3	65				JP7-25

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3005
JP3	66	C13	IP	10.085	JP7-26
JP3	67		SYS_CLK6		JP7-27
JP3	68	C12	IP_L02N_0	11.047	JP7-28
JP3	69		SYS_CLK5		JP7-29
JP3	70	C10	IP_L07P_0	14.333	JP7-30
JP3	71		SYS_CLK4		JP7-31
JP3	72	C9	IP_L07N_0	15.397	JP7-32
JP3	73				JP7-33
JP3	74				JP7-34
JP3	75	G15	USB_SDA		JP7-35
JP3	76				JP7-36
JP3	77	G16	USB_SCL		JP7-37
JP3	78	A9	DRAM_CLK		JP7-38
JP3	79		DGND		JP7-39
JP3	80		DGND		JP7-40
JP4	1		DGND		JP8-1
JP4	2		DGND		JP8-2
JP4	3				JP8-3
JP4	4				JP8-4
JP4	5	T3	IP_L02P_2	12.242	JP8-5
JP4	6	R7	IP_L08P_2	21.713	JP8-6
JP4	7	R3	IP_L02N_2	12.532	JP8-7
JP4	8	P7	IO_L07N_2	21.797	JP8-8
JP4	9	T2	IP	10.518	JP8-9
JP4	10	N7	IO_L07P_2	21.880	JP8-10
JP4	11	T7	IP_L08N_2	16.226	JP8-11
JP4	12	N3	IP	17.134	JP8-12
JP4	13	R2	IO_L19P_3	10.072	JP8-13
JP4	14	M4	IO_L17P_3	19.288	JP8-14
JP4	15	R1	IO_L19N_3	8.672	JP8-15
JP4	16	M3	IP	16.872	JP8-16
JP4	17	P2	IO_L18P_3	9.509	JP8-17
JP4	18	L4	IO_L17N_3	17.969	JP8-18
JP4	19		DGND		JP8-19

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JP4	20		DGND		JP8-20
JP4	21	P1	IO_L18N_3	7.333	JP8-21
JP4	22	L5	IO_L15N_3	18.306	JP8-22
JP4	23	N2	IP	8.416	JP8-23
JP4	24	L3	IO_L14P_3	15.975	JP8-24
JP4	25	N1	IO_L16N_3	7.085	JP8-25
JP4	26	K5	IO_L15P_3	18.057	JP8-26
JP4	27	M1	IO_L16P_3	7.168	JP8-27
JP4	28	K4	IP	16.726	JP8-28
JP4	29	L2	IO_L14N_3	8.250	JP8-29
JP4	30	K3	IO_L13N_3	15.553	JP8-30
JP4	31	K2	IO_L13P_3	8.333	JP8-31
JP4	32	J5	IO_L11P_3 / LHCLK6	17.919	JP8-32
JP4	33	K1	IO_L12N_3	7.002	JP8-33
JP4	34	J3	IO_L10N_3 / LHCLK5	15.336	JP8-34
JP4	35	J2	IO_L10P_3 / LHCLK4	8.085	JP8-35
JP4	36	J6	IP	18.419	JP8-36
JP4	37	J1	IO_L12P_3	6.753	JP8-37
JP4	38	J4	IO_L11N_3 / LHCLK7	16.434	JP8-38
JP4	39		DGND		JP8-39
JP4	40		DGND		JP8-40
JP4	41		+VCCO3		JP9-1
JP4	42		+VCCO3		JP9-2
JP4	43	H1	IP	6.174	JP9-3
JP4	44	H6	IO_L08N_3 / LHCLK1	17.507	JP9-4
JP4	45	G1	IP	6.256	JP9-5
JP4	46	H4	IO_L09N_3 / LHCLK3	15.093	JP9-6
JP4	47	G2	IO_L07N_3	7.339	JP9-7
JP4	48	H5	IO_L08P_3 / LHCLK0	16.069	JP9-8
JP4	49	F2	IP	7.422	JP9-9
JP4	50	H3	IO_L09P_3 / LHCLK2	13.821	JP9-10
JP4	51	E1	IO_L05N_3	6.091	JP9-11
JP4	52	G5	IO_L06P_3	16.235	JP9-12
JP4	53	D1	IO_L05P_3	6.335	JP9-13

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK3005
JP4	54	G3	IO_L07P_3	14.069	JP9-14
JP4	55	D2	IP	7.256	JP9-15
JP4	56	G4	IO_L06N_3	15.401	JP9-16
JP4	57	C1	IO_L02P_3	5.925	JP9-17
JP4	58	F5	IP	16.318	JP9-18
JP4	59		DGND		JP9-19
JP4	60		DGND		JP9-20
JP4	61	C2	IO_L02N_3	7.008	JP9-21
JP4	62	F3	IO_L04P_3	14.980	JP9-22
JP4	63	B1	IO_L01P_3	6.010	JP9-23
JP4	64	F4	IO_L04N_3	16.312	JP9-24
JP4	65	B2	IO_L01N_3	7.256	JP9-25
JP4	66	E4	IO_L03N_3	16.283	JP9-26
JP4	67	A3	IP	8.175	JP9-27
JP4	68	E3	IO_L03P_3	15.560	JP9-28
JP4	69	D5	IP_L16P_0	12.752	JP9-29
JP4	70		+2.5VDD		JP9-30
JP4	71	E6	IP_L16N_0	15.141	JP9-31
JP4	72	A15	JTAG_TCK		JP9-32
JP4	73	B6	IO	12.787	JP9-33
JP4	74	A2	JTAG_TDI		JP9-34
JP4	75	D8	IO_L11N_0 / GCLK11	16.415	JP9-35
JP4	76	B15	JTAG_TMS		JP9-36
JP4	77	C8	IO_L11P_0 / GCLK10	16.126	JP9-37
JP4	78	C14	JTAG_TDO		JP9-38
JP4	79		DGND		JP9-39
JP4	80		DGND		JP9-40