

Pin List: XEM7310

2020-09-30

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK7010
MC1	1		+VDCIN		J1-1
MC1	2		DGND		J1-2
MC1	3		+VDCIN		J1-3
MC1	4		+1.0VDD		J1-4
MC1	5		+VDCIN		J1-5
MC1	6		+1.0VDD		J1-6
MC1	7		+1.8VDD		J1-7
MC1	8	AB11	SYS_CLK_MC1	21.574	J1-8
MC1	9		+3.3VDD		J1-9
MC1	10	M9	XADC_VN		J1-10
MC1	11		+3.3VDD		J1-11
MC1	12	L10	XADC_VP		J1-12
MC1	13		+3.3VDD		J1-13
MC1	14		DGND		J1-14
MC1	15	W9	B34_L24P	27.853	J1-15
MC1	16	V9	B34_L21P	23.937	J1-16
MC1	17	Y9	B34_L24N	26.696	J1-17
MC1	18	V8	B34_L21N	23.765	J1-18
MC1	19	R6	B34_L17P	31.982	J1-19
MC1	20	V7	B34_L19P	22.076	J1-20
MC1	21	T6	B34_L17N	30.716	J1-21
MC1	22	W7	B34_L19N	20.746	J1-22
MC1	23	U6	B34_L16P	27.433	J1-23
MC1	24	Y8	B34_L23P	18.093	J1-24
MC1	25	V5	B34_L16N	26.926	J1-25
MC1	26	Y7	B34_L23N	18.54	J1-26
MC1	27	T5	B34_L14P	26.503	J1-27
MC1	28	W6	B34_L15P	19.138	J1-28
MC1	29	U5	B34_L14N	25.608	J1-29
MC1	30	W5	B34_L15N	19.577	J1-30
MC1	31	AA5	B34_L10P	21.028	J1-31

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK7010
MC1	32	R4	B34_L13P	27.920	J1-32
MC1	33	AB5	B34_L10N	20.134	J1-33
MC1	34	T4	B34_L13N	25.206	J1-34
MC1	35		DGND		J1-35
MC1	36		VCCO_MC1		J1-36
MC1	37	AB7	B34_L20P	16.234	J1-37
MC1	38	Y4	B34_L11P	20.129	J1-38
MC1	39	AB6	B34_L20N	16.714	J1-39
MC1	40	AA4	B34_L11N	19.557	J1-40
MC1	41	R3	B34_L3P	26.716	J2-1
MC1	42	Y6	B34_L18P	12.947	J2-2
MC1	43	R2	B34_L3N	26.199	J2-3
MC1	44	AA6	B34_L18N	11.630	J2-4
MC1	45	Y3	B34_L9P	20.655	J2-5
MC1	46	AA8	B34_L22P	9.743	J2-6
MC1	47	AA3	B34_L9N	19.450	J2-7
MC1	48	AB8	B34_L22N	8.497	J2-8
MC1	49	U2	B34_L2P	22.529	J2-9
MC1	50	U3	B34_L6P	16.995	J2-10
MC1	51	V2	B34_L2N	21.382	J2-11
MC1	52	V3	B34_L6N	15.659	J2-12
MC1	53	W2	B34_L4P	19.256	J2-13
MC1	54	W1	B34_L5P	15.830	J2-14
MC1	55		DGND		J2-15
MC1	56		VCCO_MC1		J2-16
MC1	57	Y2	B34_L4N	17.689	J2-17
MC1	58	Y1	B34_L5N	13.608	J2-18
MC1	59	T1	B34_L1P	21.474	J2-19
MC1	60	AB3	B34_L8P	9.054	J2-20
MC1	61	U1	B34_L1N	20.217	J2-21
MC1	62	AB2	B34_L8N	9.550	J2-22
MC1	63	AA1	B34_L7P	15.811	J2-23
MC1	64	Y13	B13_L5P	43.978	J2-24
MC1	65	AB1	B34_L7N	14.617	J2-25

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK7010
MC1	66	AA14	B13_L5N	42.695	J2-26
MC1	67	AB16	B13_L2P	29.868	J2-27
MC1	68	AA13	B13_L3P	41.798	J2-28
MC1	69	AB17	B13_L2N	31.153	J2-29
MC1	70	AB13	B13_L3N	41.239	J2-30
MC1	71	AA15	B13_L4P	42.504	J2-31
MC1	72	W15	B13_L16P	34.678	J2-32
MC1	73	AB15	B13_L4N	41.728	J2-33
MC1	74	W16	B13_L16N	36.231	J2-34
MC1	75	Y16	B13_L1P	41.295	J2-35
MC1	76	AA16	B13_L1N	34.804	J2-36
MC1	77	V4	B34_L12P_MRCC	26.128	J2-37
MC1	78		DGND		J2-38
MC1	79	W4	B34_L12N_MRCC	26.447	J2-39
MC1	80		DGND		J2-40
MC2	1		DGND		J3-1
MC2	2		+3.3VDD		J3-2
MC2	3		+VCCBATT		J3-3
MC2	4		+3.3VDD		J3-4
MC2	5	V12	FPGA_TCK		J6-6
MC2	6		+3.3VDD		J3-6
MC2	7	T13	FPGA_TMS		J6-4
MC2	8	U13	FPGA_TDO		J6-8
MC2	9	R13	FPGA_TDI		J6-10
MC2	10	F4	B35_IO0	38.931	J3-10
MC2	11	AB12	SYS_CLK_MC2	46.306	J3-11
MC2	12	L6	B35_IO25	38.527	J3-12
MC2	13		DGND		J3-13
MC2	14		DGND		J3-14
MC2	15	P5	B35_L21P	33.833	J3-15
MC2	16	P6	B35_L24P	38.057	J3-16
MC2	17	P4	B35_L21N	34.240	J3-17
MC2	18	N5	B35_L24N	38.330	J3-18
MC2	19	N4	B35_L19P	31.940	J3-19

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK7010
MC2	20	P2	B35_L22P	40.085	J3-20
MC2	21	N3	B35_L19N	32.209	J3-21
MC2	22	N2	B35_L22N	39.457	J3-22
MC2	23	L5	B35_L18P	28.038	J3-23
MC2	24	R1	B35_L20P	41.140	J3-24
MC2	25	L4	B35_L18N	28.650	J3-25
MC2	26	P1	B35_L20N	39.947	J3-26
MC2	27	M6	B35_L23P	27.602	J3-27
MC2	28	M3	B35_L16P	35.547	J3-28
MC2	29	M5	B35_L23N	28.186	J3-29
MC2	30	M2	B35_L16N	36.242	J3-30
MC2	31	M1	B35_L15P	31.483	J3-31
MC2	32	K6	B35_L17P	28.973	J3-32
MC2	33	L1	B35_L15N	30.114	J3-33
MC2	34	J6	B35_L17N	26.876	J3-34
MC2	35		VCCO_MC2		J3-35
MC2	36		DGND		J3-36
MC2	37	K2	B35_L9P	26.233	J3-37
MC2	38	L3	B35_L14P	31.306	J3-38
MC2	39	J2	B35_L9N	25.579	J3-39
MC2	40	K3	B35_L14N	30.796	J3-40
MC2	41	K1	B35_L7P	24.103	J4-1
MC2	42	J5	B35_L10P	25.935	J4-2
MC2	43	J1	B35_L7N	23.547	J4-3
MC2	44	H5	B35_L10N	25.634	J4-4
MC2	45	H3	B35_L11P	20.106	J4-5
MC2	46	H2	B35_L8P	26.105	J4-6
MC2	47	G3	B35_L11N	19.518	J4-7
MC2	48	G2	B35_L8N	24.796	J4-8
MC2	49	E2	B35_L4P	16.329	J4-9
MC2	50	G1	B35_L5P	24.944	J4-10
MC2	51	D2	B35_L4N	15.914	J4-11
MC2	52	F1	B35_L5N	25.056	J4-12
MC2	53	F3	B35_L6P	15.579	J4-13

Connector	Pin	FPGA Pin	Description	Length (mm)	BRK7010
MC2	54	E1	B35_L3P	22.263	J4-14
MC2	55		VCCO_MC2		J4-15
MC2	56		DGND		J4-16
MC2	57	E3	B35_L6N	15.027	J4-17
MC2	58	D1	B35_L3N	21.386	J4-18
MC2	59	B1	B35_L1P	12.002	J4-19
MC2	60	C2	B35_L2P	17.193	J4-20
MC2	61	A1	B35_L1N	9.240	J4-21
MC2	62	B2	B35_L2N	15.957	J4-22
MC2	63	K4	B35_L13P	21.257	J4-23
MC2	64	U15	B13_L14P	47.649	J4-24
MC2	65	J4	B35_L13N	19.769	J4-25
MC2	66	V15	B13_L14N	48.907	J4-26
MC2	67	T16	B13_L17P	40.409	J4-27
MC2	68	T14	B13_L15P	51.892	J4-28
MC2	69	U16	B13_L17N	41.542	J4-29
MC2	70	T15	B13_L15N	53.553	J4-30
MC2	71	V13	B13_L13P	43.141	J4-31
MC2	72	W14	B13_L6P	57.137	J4-32
MC2	73	V14	B13_L13N	44.768	J4-33
MC2	74	Y14	B13_L6N	54.597	J4-34
MC2	75	Y11	B13_L11P	42.257	J4-35
MC2	76	Y12	B13_L11N	49.008	J4-36
MC2	77	H4	B35_L12P_MRCC	23.348	J4-37
MC2	78		DGND		J4-38
MC2	79	G4	B35_L12N_MRCC	23.646	J4-39
MC2	80		DGND		J4-40