

Pin List: ZEM5305

2024-12-07

Connector	Pin	FPGA Pin (A2)	FPGA Pin (A7)	ZEM5305	Length-A2 (mm)	FPGA LVDS Direction	A2 Bank	BRK5305
MC1	1			DGND				JP6-1
MC1	2			DGND				JP6-2
MC1	3			+5VUSB				JP6-3
MC1	4	AB13	AB13	MC1-ASP0	11.427		4A	JP6-4
MC1	5			+3.3VDD				JP6-5
MC1	6			+1.1VDD				JP6-6
MC1	7			+2.5VDD				JP6-7
MC1	8			+1.1VDD				JP6-8
MC1	9			+1.35VDD				JP6-9
MC1	10			+1.1VDD				JP6-10
MC1	11			+1.2VDD				JP6-11
MC1	12			+1.1VDD				JP6-12
MC1	13			VCCPD2 (n.c. A7)				JP6-13
MC1	14							JP6-14
MC1	15			VCCPD4				JP6-15
MC1	16			VCCIO4				JP6-16
MC1	17			VCCPD5				JP6-17
MC1	18			VREF4				JP6-18
MC1	19			DGND				JP6-19
MC1	20			DGND				JP6-20
MC1	21	T14	T14	MC1-A1	18.734		4A	JP6-21
MC1	22	U13	U13	MC1-A0	11.119		4A	JP6-22
MC1	23	Y12	Y12	MC1-Bp1	14.105	RX	4A	JP6-23
MC1	24	T13	T13	MC1-Bp0	11.804	TX	4A	JP6-24
MC1	25	W12	W12	MC1-Bn1	15.510	RX	4A	JP6-25
MC1	26	R12	R12	MC1-Bn0	14.598	TX	4A	JP6-26
MC1	27	W14	T12	MC1-Bp3	16.759	RX	4A	JP6-27
MC1	28	AB16	AB16	MC1-Bp2	7.307	TX	4A	JP6-28
MC1	29	Y14	U12	MC1-Bn3	15.431	RX	4A	JP6-29
MC1	30	AB15	AB15	MC1-Bn2	7.434	TX	4A	JP6-30
MC1	31	V13	V13	MC1-Bp5	20.181	RX	4A	JP6-31

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MC1	32	AA18	AA18	MC1-Bp4	6.564	TX	4A	JP6-32
MC1	33	W13	W13	MC1-Bn5	19.061	RX	4A	JP6-33
MC1	34	AB18	AB18	MC1-Bn4	5.624	TX	4A	JP6-34
MC1	35	T12	W14	MC1-Bp7	21.880	RX	4A	JP6-35
MC1	36	Y15	Y19	MC1-Bp6	11.800	TX	4A	JP6-36
MC1	37	U12	Y14	MC1-Bn7	20.949	RX	4A	JP6-37
MC1	38	AA15	AA19	MC1-Bn6	10.154	TX	4A	JP6-38
MC1	39			DGND				JP6-39
MC1	40			DGND				JP6-40
MC1	41	R15	R15	MC1-A3	29.333		4A	JP7-1
MC1	42	T15	T15	MC1-A2	19.048		4A	JP7-2
MC1	43	R14	R14	MC1-Bp9	23.857	RX	4A	JP7-3
MC1	44	Y20	Y20	MC1-Bp8	11.326	TX	4A	JP7-4
MC1	45	P14	P14	MC1-Bn9	25.144	RX	4A	JP7-5
MC1	46	AA20	AA20	MC1-Bn8	9.721	TX	4A	JP7-6
MC1	47	V15	V15	MC1-Bp11	20.231	RX	4A	JP7-7
MC1	48	Y19	Y15	MC1-Bp10	12.602	TX	4A	JP7-8
MC1	49	U15	U15	MC1-Bn11	21.714	RX	4A	JP7-9
MC1	50	AA19	AA15	MC1-Bn10	11.512	TX	4A	JP7-10
MC1	51	Y17	Y17	MC1-Bp13	21.633	RX	4A	JP7-11
MC1	52	AB21	AB21	MC1-Bp12	11.028	TX	4A	JP7-12
MC1	53	Y16	Y16	MC1-Bn13	21.517	RX	4A	JP7-13
MC1	54	AB20	AB20	MC1-Bn12	10.907	TX	4A	JP7-14
MC1	55	U17	U17	MC1-Bp15	23.882	RX	4A	JP7-15
MC1	56	AA22	AA22	MC1-Bp14	12.527	TX	4A	JP7-16
MC1	57	U16	U16	MC1-Bn15	23.785	RX	4A	JP7-17
MC1	58	AB22	AB22	MC1-Bn14	11.880	TX	4A	JP7-18
MC1	59			DGND				JP7-19
MC1	60			DGND				JP7-20
MC1	61	W16	W16	MC1-A5	27.418		4A	JP7-21
MC1	62	W17	W17	MC1-A4	19.924		4A	JP7-22
MC1	63	W18	W18	MC1-Bp17	23.319	RX	4A	JP7-23
MC1	64	Y21	Y21	MC1-Bp16	16.372	TX	4A	JP7-24
MC1	65	V18	V18	MC1-Bn17	23.844	RX	4A	JP7-25

Connector	Pin	FPGA Pin (A2)	FPGA Pin (A7)	ZEM5305	Length-A2 (mm)	FPGA LVDS Direction	A2 Bank	BRK5305
MC1	66	Y22	Y22	MC1-Bn16	15.941	TX	4A	JP7-26
MC1	67	AB17	AB17	CLKOUT0-I/O	25.448		4A	JP7-27
MC1	68	W22	W22	MC1-A6	17.204		4A	JP7-28
MC1	69	G18	G18	CLKOUT1-I/O	33.371		5B	JP7-29
MC1	70	W21	W21	MC1-A7	19.303		4A	JP7-30
MC1	71		G17	CLKOUT2-I/O				JP7-31
MC1	72			MC1-ASP2				JP7-32
MC1	73	AA17	AA17	MC1-ASP1	26.181		4A	JP7-33
MC1	74			MC1-ASP4				JP7-34
MC1	75			MC1-ASP3				JP7-35
MC1	76			MC1-ASP6				JP7-36
MC1	77			MC1-ASP5				JP7-37
MC1	78			MC1-ASP7				JP7-38
MC1	79			DGND				JP7-39
MC1	80			DGND				JP7-40
MC2	1			DGND				JP8-1
MC2	2			DGND				JP8-2
MC2	3			VREF5				JP8-3
MC2	4			VREF2 (n.c. A7)				JP8-4
MC2	5	W2	K17	MC2-A1	31.466		2A	JP8-5
MC2	6	Y3	L17	MC2-A0	36.707		2A	JP8-6
MC2	7	L2	P16	MC2-Bp1	27.328	RX	2A	JP8-7
MC2	8	G2	P21	MC2-Bp0	22.901	TX	2A	JP8-8
MC2	9	L1	N16	MC2-Bn1	28.858	RX	2A	JP8-9
MC2	10	G1	P22	MC2-Bn0	21.380	TX	2A	JP8-10
MC2	11	N2	N20	MC2-Bp3	28.551	RX	2A	JP8-11
MC2	12	D3	M22	MC2-Bp2	22.478	TX	2A	JP8-12
MC2	13	N1	N21	MC2-Bn3	31.235	RX	2A	JP8-13
MC2	14	E2	L22	MC2-Bn2	20.287	TX	2A	JP8-14
MC2	15	U2	P18	MC2-Bp5	32.811	RX	2A	JP8-15
MC2	16	C2	K22	MC2-Bp4	20.014	TX	2A	JP8-16
MC2	17	U1	N18	MC2-Bn5	34.293	RX	2A	JP8-17
MC2	18	C1	J22	MC2-Bn4	18.502	TX	2A	JP8-18
MC2	19			DGND				JP8-19

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MC2	20			DGND				JP8-20
MC2	21	G17	V19	MC2-A3	21.622		5B	JP8-21
MC2	22	U21	V20	MC2-A2	33.536		5A	JP8-22
MC2	23	K16	M21	MC2-Bp7	20.164	RX	5B	JP8-23
MC2	24	AA2	F22	MC2-Bp6	43.643	TX	2A	JP8-24
MC2	25	J16	M20	MC2-Bn7	19.696	RX	5B	JP8-25
MC2	26	AA1	E22	MC2-Bn6	44.227	TX	2A	JP8-26
MC2	27	J17	L19	MC2-Bp9	18.006	RX	5B	JP8-27
MC2	28	J19	E21	MC2-Bp8	22.085	TX	5B	JP8-28
MC2	29	J18	L20	MC2-Bn9	18.149	RX	5B	JP8-29
MC2	30	H18	D22	MC2-Bn8	20.935	TX	5B	JP8-30
MC2	31	H20	L15	MC2-Bp11	16.717	RX	5B	JP8-31
MC2	32	F19	K21	MC2-Bp10	19.284	TX	5B	JP8-32
MC2	33	H19	K15	MC2-Bn11	19.674	RX	5B	JP8-33
MC2	34	F18	J21	MC2-Bn10	23.004	TX	5B	JP8-34
MC2	35	R16	L18	MC2-Bp13	26.082	RX	5A	JP8-35
MC2	36	E20	G22	MC2-Bp12	17.503	TX	5B	JP8-36
MC2	37	R17	K19	MC2-Bn13	25.809	RX	5A	JP8-37
MC2	38	F20	G21	MC2-Bn12	18.924	TX	5B	JP8-38
MC2	39			DGND				JP8-39
MC2	40			DGND				JP8-40
MC2	41			VCCIO5				JP9-1
MC2	42			VCCIO2 (n.c. A7)				JP9-2
MC2	43	R19	H20	MC2-Bp15	25.032	RX	5A	JP9-3
MC2	44	T19	G20	MC2-Bp14	31.609	TX	5A	JP9-4
MC2	45	P19	H19	MC2-Bn15	25.836	RX	5A	JP9-5
MC2	46	T20	H21	MC2-Bn14	31.215	TX	5A	JP9-6
MC2	47	T17	K16	MC2-Bp17	29.532	RX	5A	JP9-7
MC2	48	R20	E20	MC2-Bp16	30.737	TX	5A	JP9-8
MC2	49	T18	J16	MC2-Bn17	27.953	RX	5A	JP9-9
MC2	50	R21	F20	MC2-Bn16	29.831	TX	5A	JP9-10
MC2	51	V20	J17	MC2-Bp19	28.838	RX	5A	JP9-11
MC2	52	T22	F19	MC2-Bp18	31.314	TX	5A	JP9-12
MC2	53	V19	J18	MC2-Bn19	31.178	RX	5A	JP9-13

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MC2	54	R22	F18	MC2-Bn18	30.899	TX	5A	JP9-14
MC2	55		T17	MC2-Bp21		RX		JP9-15
MC2	56		J19	MC2-Bp20		TX		JP9-16
MC2	57		T18	MC2-Bn21		RX		JP9-17
MC2	58		H18	MC2-Bn20		TX		JP9-18
MC2	59			DGND				JP9-19
MC2	60			DGND				JP9-20
MC2	61		R21	MC2-A5				JP9-21
MC2	62		R20	MC2-A4				JP9-22
MC2	63		P19	MC2-A7				JP9-23
MC2	64		R19	MC2-A6				JP9-24
MC2	65		R16	MC2-Bp23		RX		JP9-25
MC2	66		T22	MC2-Bp22		TX		JP9-26
MC2	67		R17	MC2-Bn23		RX		JP9-27
MC2	68		R22	MC2-Bn22		TX		JP9-28
MC2	69			RESERVED				JP9-29
MC2	70			VCCPD4				JP9-30
MC2	71		T19	MC2-ASP0				JP9-31
MC2	72	V5	V5	JTAG_TCK				JP9-32
MC2	73		T20	MC2-ASP1				JP9-33
MC2	74	P5	P5	JTAG_TDI				JP9-34
MC2	75	L17	M16	CLKINp	27.727		5B	JP9-35
MC2	76	R4	R4	JTAG_TMS				JP9-36
MC2	77	K17	M17	CLKINn	29.764		5B	JP9-37
MC2	78	V3	V3	JTAG_TDO				JP9-38
MC2	79			DGND				JP9-39
MC2	80			DGND				JP9-40