

Pin List: ECM1900

2021-10-19

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC1	1	B18	B28_L22P	51.354	J1-34	SZG_PORTD_C2P_CLKP	SZG_PORTD_C2P_CLKP
MC1	2	B20	B28_L24P	45.224	J1-31	SZG_PORTD_S26	SZG_PORTD_S26
MC1	3	B19	B28_L22N	51.350	J1-36	SZG_PORTD_C2P_CLKN	SZG_PORTD_C2P_CLKN
MC1	4	B21	B28_L24N	45.609	J1-29	SZG_PORTD_S24	SZG_PORTD_S24
MC1	5	A18	B28_L19P	57.219	J1-32	SZG_PORTD_S27	SZG_PORTD_S27
MC1	6	A22	B28_L23P	42.444	J1-27	SZG_PORTD_S22	SZG_PORTD_S22
MC1	7	A19	B28_L19N	57.422	J1-30	SZG_PORTD_S25	SZG_PORTD_S25
MC1	8	A23	B28_L23N	42.476	J1-25	SZG_PORTD_S20	SZG_PORTD_S20
MC1	9	C21	B28_L15P	46.771	J1-28	SZG_PORTD_S23	SZG_PORTD_S23
MC1	10	B23	B28_T3U	38.301	J1-23	SZG_PORTD_S18	SZG_PORTD_S18
MC1	11	C22	B28_L15N	46.882	J1-26	SZG_PORTD_S21	SZG_PORTD_S21
MC1	12	D22	B28_L17P	45.167	J1-21	SZG_PORTD_S16	SZG_PORTD_S16
MC1	13	C18	B28_L20P	53.568	J1-24	SZG_PORTD_S19	SZG_PORTD_S19
MC1	14	C23	B28_L17N	44.780			
MC1	15	C19	B28_L20N	54.087	J1-22	SZG_PORTD_S17	SZG_PORTD_S17
MC1	16	A20	B28_L21P	40.198	J1-17	SZG_PORTD_S12_D6P	SZG_PORTD_S12_D6P
MC1	17	E19	B28_L7P	50.556	J1-18	SZG_PORTD_S13_D7P	SZG_PORTD_S13_D7P
MC1	18	A21	B28_L21N	40.765	J1-19	SZG_PORTD_S14_D6N	SZG_PORTD_S14_D6N
MC1	19	D19	B28_L7N	50.530	J1-20	SZG_PORTD_S15_D7N	SZG_PORTD_S15_D7N
MC1	20	D20	B28_L9P	46.959	J1-13	SZG_PORTD_S8_D4P	SZG_PORTD_S8_D4P
MC1	21	E20	B28_T1U	50.423			
MC1	22	D21	B28_L9N	47.194	J1-15	SZG_PORTD_S10_D4N	SZG_PORTD_S10_D4N
MC1	23	G20	B28_L10P	48.893	J1-14	SZG_PORTD_S9_D5P	SZG_PORTD_S9_D5P
MC1	24	J25	B28_L5P	50.143	J1-9	SZG_PORTD_S4_D2P	SZG_PORTD_S4_D2P
MC1	25	F20	B28_L10N	48.888	J1-16	SZG_PORTD_S11_D5N	SZG_PORTD_S11_D5N
MC1	26	H26	B28_L5N	50.584	J1-11	SZG_PORTD_S6_D2N	SZG_PORTD_S6_D2N
MC1	27	G21	B28_L12P	49.696	J1-10	SZG_PORTD_S5_D3P	SZG_PORTD_S5_D3P
MC1	28	F25	B28_T2U	39.597			
MC1	29	F21	B28_L12N	49.762	J1-12	SZG_PORTD_S7_D3N	SZG_PORTD_S7_D3N
MC1	30	F23	B28_L13P	44.492	J1-33	SZG_PORTD_P2C_CLKP	SZG_PORTD_P2C_CLKP

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MC1	31	H21	B28_L8P	45.623	J1-6	SZG_PORTD_S1_D1P	SZG_PORTD_S1_D1P
MC1	32	E23	B28_L13N	44.472	J1-35	SZG_PORTD_P2C_CLKN	SZG_PORTD_P2C_CLKN
MC1	33	H22	B28_L8N	46.947	J1-8	SZG_PORTD_S3_D1N	SZG_PORTD_S3_D1N
MC1	34	G23	B28_L14P	38.756	J7-33	SZG_PORTF_P2C_CLKP	SZG_PORTF_P2C_CLKP
MC1	35	J21	B28_L3P	47.692	J7-14	SZG_PORTF_S0	SZG_PORTF_S0
MC1	36	G24	B28_L14N	38.809	J7-35	SZG_PORTF_P2C_CLKN	SZG_PORTF_P2C_CLKN
MC1	37	J22	B28_L3N	46.824	J7-16	SZG_PORTF_S1	SZG_PORTF_S1
MC1	38	G25	B28_L18P	48.671	J7-22	SZG_PORTF_S7	SZG_PORTF_S7
MC1	39	K22	B28_L4P	46.761	J7-17	SZG_PORTF_S2	SZG_PORTF_S2
MC1	40	G26	B28_L18N	48.802	J7-23	SZG_PORTF_S8	SZG_PORTF_S8
MC1	41	K23	B28_L4N	46.770	J7-18	SZG_PORTF_S3	SZG_PORTF_S3
MC1	42	H23	B28_T0U	38.119	J7-24	SZG_PORTF_S9	SZG_PORTF_S9
MC1	43	L21	B28_L1P	48.076	J7-19	SZG_PORTF_S4	SZG_PORTF_S4
MC1	44	J24	B28_L6P	38.155	J7-34	SZG_PORTF_C2P_CLKP	SZG_PORTF_C2P_CLKP
MC1	45	L22	B28_L1N	48.028	J7-20	SZG_PORTF_S5	SZG_PORTF_S5
MC1	46	H24	B28_L6N	38.214	J7-36	SZG_PORTF_C2P_CLKN	SZG_PORTF_C2P_CLKN
MC1	47	E24	B28_L16P	44.573	J7-21	SZG_PORTF_S6	SZG_PORTF_S6
MC1	48	L23	B28_L2P	42.411	J1-5	SZG_PORTD_S0_D0P	SZG_PORTD_S0_D0P
MC1	49	D24	B28_L16N	44.587			
MC1	50	K24	B28_L2N	44.062	J1-7	SZG_PORTD_S2_D0N	SZG_PORTD_S2_D0N
MC1	51						
MC1	52						
MC1	53	J27	PS_JTAG_TDI		J2-10	PS_JTAG_TDI	
MC1	54	T18	XADC_VP		J3-35	XADC_VP	
MC1	55	G28	PS_JTAG_TDO	39.051	J2-8	PS_JTAG_TDO	
MC1	56	U17	XADC_VN		J3-37	XADC_VN	
MC1	57	H28	PS_JTAG_TMS		J2-4	PS_JTAG_TMS	
MC1	58	A28	PS_I2C0_SCL_3V3			PS_I2C0_SCL_3V3	
MC1	59	K27	PS_JTAG_TCK		J2-6	PS_JTAG_TCK	
MC1	60	C29	PS_I2C0_SDA_3V3			PS_I2C0_SDA_3V3	
MC1	61	A32	PS_B501_MIO29	30.230	U16-21	GIGE_TXD2	
MC1	62	A31	PS_B501_MIO28	29.480	U16-20	GIGE_TXD1	
MC1	63	A33	PS_B501_MIO30	30.307	U16-22	GIGE_TXD3	

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MC1	64	B31	PS_B501_MIO32	26.275	U16-35	GIGE_RX_CLK	
MC1	65	B34	PS_B501_MIO34	30.813	U16-31	GIGE_RXD1	
MC1	66	B30	PS_B501_MIO31	29.397	U16-25	GIGE_TX_EN	
MC1	67	C33	PS_B501_MIO37	29.658	U16-33	GIGE_RX_DV	
MC1	68	B33	PS_B501_MIO33	23.533	U16-32	GIGE_RXD0	
MC1	69	C31	PS_B501_MIO35	35.132	U16-28	GIGE_RXD2	
MC1	70	C32	PS_B501_MIO36	27.424	U16-27	GIGE_RXD3	
MC1	71	A29	PS_B501_MIO26	34.888	U16-24	GIGE_TX_CLK	
MC1	72	A30	PS_B501_MIO27	31.887	U16-19	GIGE_TXD0	
MC1	73	B29	PS_B500_MIO23	38.687	J3-17	PS_B500_MIO23	
MC1	74	A26	PS_B500_MIO6	34.938	U14-23	USB_TYPEC_INT_B	
MC1	75	C28	PS_B500_MIO21	36.085	J3-19	PS_B500_MIO21	
MC1	76	B28	PS_B500_MIO19	29.555	J3-1	PS_B500_MIO19	
MC1	77	C27	PS_B500_MIO12	39.848	J3-21	PS_B500_MIO12	
MC1	78	A25	PS_B500_MIO4	37.812	J3-3	PS_B500_MIO4	
MC1	79	A24	PS_B500_MIO0	43.632	J3-23	PS_B500_MIO0	
MC1	80	D29	PS_B500_MIO25	28.334	J3-5	PS_B500_MIO25	
MC1	81	E29	PS_B500_MIO20	36.958	J3-25	PS_B500_MIO20	
MC1	82	B25	PS_B500_MIO7	36.422	J3-7	PS_B500_MIO7	
MC1	83	D27	PS_B500_MIO13	37.441	J3-27	PS_B500_MIO13	
MC1	84	E28	PS_B500_MIO24	29.752	J3-9	PS_B500_MIO24	
MC1	85	F28	PS_B500_MIO22	38.552	J3-29	PS_B500_MIO22	
MC1	86	B24	PS_B500_MIO2	38.850	J3-11	PS_B500_MIO2	
MC1	87	B26	PS_B500_MIO11	40.924	J3-31	PS_B500_MIO11	
MC1	88	C24	PS_B500_MIO1	36.653	J3-13	PS_B500_MIO1	
MC1	89	D26	PS_B500_MIO8	43.517	J3-33	PS_B500_MIO8	
MC1	90	D25	PS_B500_MIO5	38.489	J3-15	PS_B500_MIO5	
MC1	91	C26	PS_B500_MIO9	44.063	U16-38	GIGE_INT_B	
MC1	92	F27	PS_B500_MIO18	31.059	U16-42	GIGE_RESET_B	
MC1	93	J31	PS_B502_MIO64	36.244	U13-1	USB_CLKOUT	
MC1	94	F26	PS_B500_MIO10	36.456	U16-41	GIGE_LED_MODE	
MC1	95	J32	PS_B502_MIO65	32.532	U13-31	USB_DIR	
MC1	96	E25	PS_B500_MIO3	37.273	U13-27	USB_RESET_B	

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MC1	97	J34	PS_B502_MIO66	32.240	U13-5	USB_DATA2	
MC1	98	L29	PS_B502_MIO74	30.266	U13-10	USB_DATA6	
MC1	99	K31	PS_B502_MIO70	33.273	U13-29	USB_STP	
MC1	100	L34	PS_B502_MIO77	25.121	U16-37	GIGE_MDIO	
MC1	101	K33	PS_B502_MIO72	33.103	U13-7	USB_DATA4	
MC1	102	L33	PS_B502_MIO76	25.080	U16-36	GIGE_MDC	
MC1	103	K32	PS_B502_MIO71	31.621	U13-6	USB_DATA3	
MC1	104	K34	PS_B502_MIO73	25.970	U13-9	USB_DATA5	
MC1	105	K29	PS_B502_MIO68	37.953	U13-3	USB_DATA0	
MC1	106	L30	PS_B502_MIO75	27.964	U13-13	USB_DATA7	
MC1	107	K28	PS_B502_MIO67	37.868	U13-2	USB_NXT	
MC1	108	K30	PS_B502_MIO69	30.384	U13-4	USB_DATA1	
MC1	109	N24	PS_DONE		J4-9	PS_DONE	
MC1	110						
MC1	111	AA12	POR_OVERRIDE		J3-39	POR_OVERRIDE	
MC1	112	P24	PS_INIT_B		J4-19	PS_INIT_B	
MC1	113	P25	PS_SRST_B		J4-7	PS_SRST_B	
MC1	114	H27	PS_MODE0		J4-17	PS_MODE0	
MC1	115	R25	PS_ERROR_STATUS	36.859	J4-5	PS_ERROR_STATUS	
MC1	116	J26	PS_MODE1		J4-15	PS_MODE1	
MC1	117	T25	PS_ERROR_OUT	36.740	J4-3	PS_ERROR_OUT	
MC1	118	K26	PS_MODE2		J4-13	PS_MODE2	
MC1	119	T24	PS_PROG_B		J4-1	PS_PROG_B	
MC1	120	K25	PS_MODE3		J4-11	PS_MODE3	
MC2	1						
MC2	2						
MC2	3						
MC2	4						
MC2	5		SI5341_REFCLK_IN0	17.443			
MC2	6						
MC2	7		SI5341_REFCLK_IN0B	16.687			
MC2	8						
MC2	9						

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MC2	10	P27	PS_MGTREFCLK1P_505	73.058	U2-22	CLK0A	
MC2	11						
MC2	12	P28	PS_MGTREFCLK1N_505	72.969	U2-21	CLK0B	
MC2	13	N33	PS_MGTRRX3_505	67.578	U14-9	USB_SSRX_P	
MC2	14	N29	PS_MGTRTX3_505	72.068	U14-6	USB_SSTX_P	
MC2	15	N34	PS_MGTRRXN3_505	67.559	U14-10	USB_SSRX_N	
MC2	16	N30	PS_MGTRTXN3_505	72.048	U14-7	USB_SSTX_N	
MC2	17	R33	PS_MGTRRX2_505	68.452	J12-5	SATA_TXB-	
MC2	18	P31	PS_MGTRTX2_505	79.670	J12-2	SATA_TXA+	
MC2	19	R34	PS_MGTRRXN2_505	68.433	J12-6	SATA_TXB+	
MC2	20	P32	PS_MGTRTXN2_505	79.863	J12-3	SATA_TXA-	
MC2	21	T31	PS_MGTRRX1_505	66.889			
MC2	22	R29	PS_MGTRTX1_505	70.172		DISPLAYPORT_PS_SRC_LANE1_P	
MC2	23	T32	PS_MGTRRXN1_505	66.863			
MC2	24	R30	PS_MGTRTXN1_505	70.145		DISPLAYPORT_PS_SRC_LANE1_N	
MC2	25	U33	PS_MGTRRX0_505	68.731			
MC2	26	U29	PS_MGTRTX0_505	71.871		DISPLAYPORT_PS_SRC_LANE0_P	
MC2	27	U34	PS_MGTRRXN0_505	68.706			
MC2	28	U30	PS_MGTRTXN0_505	71.849		DISPLAYPORT_PS_SRC_LANE0_N	
MC2	29	R10	PL_MGTREFCLK1P_227	38.063			
MC2	30	M27	PS_MGTREFCLK2P_505	72.868	U2-18	CLK1A	
MC2	31	R9	PL_MGTREFCLK1N_227	38.262			
MC2	32	M28	PS_MGTREFCLK2N_505	72.988	U2-17	CLK1B	
MC2	33	G2	PL_MGTHRX3_227	24.480	J14-25	QSFP1_RX4P	
MC2	34	H4	PL_MGHTXP3_227	38.844	J14-6	QSFP1_TX4P	
MC2	35	G1	PL_MGTHRXN3_227	24.455	J14-24	QSFP1_RX4N	
MC2	36	H3	PL_MGHTXN3_227	38.653	J14-5	QSFP1_TX4N	
MC2	37	J2	PL_MGTHRX2_227	24.543	J14-14	QSFP1_RX3P	
MC2	38	K4	PL_MGHTXP2_227	32.982	J14-33	QSFP1_TX3P	
MC2	39	J1	PL_MGTHRXN2_227	24.515	J14-15	QSFP1_RX3N	
MC2	40	K3	PL_MGHTXN2_227	32.998	J14-34	QSFP1_TX3N	
MC2	41	L2	PL_MGTHRX1_227	22.262	J14-22	QSFP1_RX2P	
MC2	42	L6	PL_MGHTXP1_227	36.079	J14-3	QSFP1_TX2P	

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MC2	43	L1	PL_MGTHRNX1_227	22.242	J14-21	QSFP1_RX2N	
MC2	44	L5	PL_MGHTXN1_227	36.068	J14-2	QSFP1_TX2N	
MC2	45	N2	PL_MGTHRXP0_227	22.576	J14-17	QSFP1_RX1P	
MC2	46	M4	PL_MGHTXP0_227	31.225	J14-36	QSFP1_TX1P	
MC2	47	N1	PL_MGTHRNX0_227	22.548	J14-18	QSFP1_RX1N	
MC2	48	M3	PL_MGHTXN0_227	31.231	J14-37	QSFP1_TX1N	
MC2	49	P4	PL_MGTHRXP3_226	24.234	J15-25	QSFP2_RX4P	
MC2	50	N6	PL_MGHTXP3_226	34.789	J15-6	QSFP2_TX4P	
MC2	51	P3	PL_MGTHRNX3_226	24.213	J15-24	QSFP2_RX4N	
MC2	52	N5	PL_MGHTXN3_226	34.811	J15-5	QSFP2_TX4N	
MC2	53	R2	PL_MGTHRXP2_226	22.060	J15-14	QSFP2_RX3P	
MC2	54	R6	PL_MGHTXP2_226	32.808	J15-33	QSFP2_TX3P	
MC2	55	R1	PL_MGTHRNX2_226	22.034	J15-15	QSFP2_RX3N	
MC2	56	R5	PL_MGHTXN2_226	32.826	J15-34	QSFP2_TX3N	
MC2	57	U2	PL_MGTHRXP1_226	22.622	J15-22	QSFP2_RX2P	
MC2	58	T4	PL_MGHTXP1_226	32.883	J15-3	QSFP2_TX2P	
MC2	59	U1	PL_MGTHRNX1_226	22.602	J15-21	QSFP2_RX2N	
MC2	60	T3	PL_MGHTXN1_226	32.898	J15-2	QSFP2_TX2N	
MC2	61	V4	PL_MGTHRXP0_226	24.208	J15-17	QSFP2_RX1P	
MC2	62	U6	PL_MGHTXP0_226	32.233	J15-36	QSFP2_TX1P	
MC2	63	V3	PL_MGTHRNX0_226	24.183	J15-18	QSFP2_RX1N	
MC2	64	U5	PL_MGHTXN0_226	32.244	J15-37	QSFP2_TX1N	
MC2	65	W10	PL_MGTREFCLK1P_225	30.787	J6-13	SZG_PORTE_REFCLKP	SZG_PORTE_REFCLKP
MC2	66	U10	PL_MGTREFCLK1P_226	52.186	U2-14	CLK2A	
MC2	67	W9	PL_MGTREFCLK1N_225	30.879	J6-15	SZG_PORTE_REFCLKN	SZG_PORTE_REFCLKN
MC2	68	U9	PL_MGTREFCLK1N_226	52.375	U2-13	CLK2B	
MC2	69	W2	PL_MGTHRXP3_225	21.181	J6-25	SZG_PORTE_RX3P	SZG_PORTE_RX3P
MC2	70	W6	PL_MGHTXP3_225	31.963	J6-26	SZG_PORTE_TX3P	SZG_PORTE_TX3P
MC2	71	W1	PL_MGTHRNX3_225	21.153	J6-27	SZG_PORTE_RX3N	SZG_PORTE_RX3N
MC2	72	W5	PL_MGHTXN3_225	31.979	J6-28	SZG_PORTE_TX3N	SZG_PORTE_TX3N
MC2	73	AA2	PL_MGTHRXP2_225	21.384	J6-29	SZG_PORTE_RX2P	SZG_PORTE_RX2P
MC2	74	Y4	PL_MGHTXP2_225	32.449	J6-30	SZG_PORTE_TX2P	SZG_PORTE_TX2P
MC2	75	AA1	PL_MGTHRNX2_225	21.364	J6-31	SZG_PORTE_RX2N	SZG_PORTE_RX2N

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MC2	76	Y3	PL_MGTHTXN2_225	32.443	J6-32	SZG_PORTE_TX2N	SZG_PORTE_TX2N
MC2	77	AB4	PL_MGTHRX1_225	23.193	J6-9	SZG_PORTE_RX1P	SZG_PORTE_RX1P
MC2	78	AA6	PL_MGTHTXP1_225	31.870	J6-10	SZG_PORTE_TX1P	SZG_PORTE_TX1P
MC2	79	AB3	PL_MGTHRXN1_225	23.184	J6-11	SZG_PORTE_RX1N	SZG_PORTE_RX1N
MC2	80	AA5	PL_MGTHTXN1_225	31.894	J6-12	SZG_PORTE_TX1N	SZG_PORTE_TX1N
MC2	81	AC2	PL_MGTHRX0_225	22.363	J6-5	SZG_PORTE_RX0P	SZG_PORTE_RX0P
MC2	82	AC6	PL_MGTHTXP0_225	36.746	J6-6	SZG_PORTE_TX0P	SZG_PORTE_TX0P
MC2	83	AC1	PL_MGTHRXN0_225	22.336	J6-7	SZG_PORTE_RX0N	SZG_PORTE_RX0N
MC2	84	AC5	PL_MGTHTXN0_225	36.763	J6-8	SZG_PORTE_TX0N	SZG_PORTE_TX0N
MC2	85	AE2	PL_MGTHRX3_224	23.413	J7-25	SZG_PORTF_RX3P	SZG_PORTF_RX3P
MC2	86	AD4	PL_MGTHTXP3_224	32.129	J7-26	SZG_PORTF_TX3P	SZG_PORTF_TX3P
MC2	87	AE1	PL_MGTHRXN3_224	23.385	J7-27	SZG_PORTF_RX3N	SZG_PORTF_RX3N
MC2	88	AD3	PL_MGTHTXN3_224	32.148	J7-28	SZG_PORTF_TX3N	SZG_PORTF_TX3N
MC2	89	AF4	PL_MGTHRX2_224	25.649	J7-29	SZG_PORTF_RX2P	SZG_PORTF_RX2P
MC2	90	AE6	PL_MGTHTXP2_224	36.683	J7-30	SZG_PORTF_TX2P	SZG_PORTF_TX2P
MC2	91	AF3	PL_MGTHRXN2_224	25.622	J7-31	SZG_PORTF_RX2N	SZG_PORTF_RX2N
MC2	92	AE5	PL_MGTHTXN2_224	36.699	J7-32	SZG_PORTF_TX2N	SZG_PORTF_TX2N
MC2	93	AG2	PL_MGTHRX1_224	23.047	J7-9	SZG_PORTF_RX1P	SZG_PORTF_RX1P
MC2	94	AG6	PL_MGTHTXP1_224	35.920	J7-10	SZG_PORTF_TX1P	SZG_PORTF_TX1P
MC2	95	AG1	PL_MGTHRXN1_224	23.026	J7-11	SZG_PORTF_RX1N	SZG_PORTF_RX1N
MC2	96	AG5	PL_MGTHTXN1_224	35.940	J7-12	SZG_PORTF_TX1N	SZG_PORTF_TX1N
MC2	97	AJ2	PL_MGTHRX0_224	23.405	J7-5	SZG_PORTF_RX0P	SZG_PORTF_RX0P
MC2	98	AH4	PL_MGTHTXP0_224	34.852	J7-6	SZG_PORTF_TX0P	SZG_PORTF_TX0P
MC2	99	AJ1	PL_MGTHRXN0_224	23.380	J7-7	SZG_PORTF_RX0N	SZG_PORTF_RX0N
MC2	100	AH3	PL_MGTHTXN0_224	34.877	J7-8	SZG_PORTF_TX0N	SZG_PORTF_TX0N
MC2	101	AA10	PL_MGTREFCLK1P_224	40.892	J7-13	SZG_PORTF_REFCLKP	SZG_PORTF_REFCLKP
MC2	102	AC10	PL_MGTREFCLK1P_223	53.645	U2-10	CLK3A	
MC2	103	AA9	PL_MGTREFCLK1N_224	40.807	J7-15	SZG_PORTF_REFCLKN	SZG_PORTF_REFCLKN
MC2	104	AC9	PL_MGTREFCLK1N_223	53.629	U2-9	CLK3B	
MC2	105	AK4	PL_MGTHRX3_223	25.086		DISPLAYPORT_PL_SNK_LANE0_P	
MC2	106	AJ6	PL_MGTHTXP3_223	37.528		DISPLAYPORT_PL_SRC_LANE0_P	
MC2	107	AK3	PL_MGTHRXN3_223	25.065		DISPLAYPORT_PL_SNK_LANE0_N	
MC2	108	AJ5	PL_MGTHTXN3_223	37.550		DISPLAYPORT_PL_SRC_LANE0_N	

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC2	109	AL2	PL_MGTHRXP2_223	23.273		DISPLAYPORT_PL_SNK_LANE1_P	
MC2	110	AL6	PL_MGHTXP2_223	34.555		DISPLAYPORT_PL_SRC_LANE1_P	
MC2	111	AL1	PL_MGTHRXN2_223	23.123		DISPLAYPORT_PL_SNK_LANE1_N	
MC2	112	AL5	PL_MGHTTXN2_223	34.572		DISPLAYPORT_PL_SRC_LANE1_N	
MC2	113	AN2	PL_MGTHRXP1_223	23.071	J5-43	FPX1301_TXP1	
MC2	114	AM4	PL_MGHTXP1_223	35.852	J5-55	FPX1301_RXP1	
MC2	115	AN1	PL_MGTHRXN1_223	23.047	J5-45	FPX1301_TXN1	
MC2	116	AM3	PL_MGHTTXN1_223	35.871	J5-57	FPX1301_RXN1	
MC2	117	AP4	PL_MGTHRXP0_223	25.612	J5-37	FPX1301_TXP0	
MC2	118	AN6	PL_MGHTXP0_223	34.344	J5-49	FPX1301_RXP0	
MC2	119	AP3	PL_MGTHRXN0_223	25.599	J5-39	FPX1301_TXN0	
MC2	120	AN5	PL_MGHTTXN0_223	34.345	J5-51	FPX1301_RXN0	
MC3	1	D2	B88_L5P	39.580	J8-34	SZG_PORTA_C2P_CLKP	PORT A:C2P_CLKP
MC3	2	F5	B88_L9P	42.158	J8-31	SZG_PORTA_S26	PORT A:S26
MC3	3	C2	B88_L5N	39.591	J8-36	SZG_PORTA_C2P_CLKN	PORT A:C2P_CLKN
MC3	4	F4	B88_L9N	41.937	J8-29	SZG_PORTA_S24	PORT A:S24
MC3	5	E1	B88_L1P	45.116	J8-32	SZG_PORTA_S27	PORT A:S27
MC3	6	E3	B88_L4P	40.051	J8-27	SZG_PORTA_S22	SZG_PORTA_S22
MC3	7	D1	B88_L1N	44.475	J8-30	SZG_PORTA_S25	SZG_PORTA_S25
MC3	8	E2	B88_L4N	39.991	J8-25	SZG_PORTA_S20	SZG_PORTA_S20
MC3	9	C3	B88_L6P	36.826	J8-28	SZG_PORTA_S23	SZG_PORTA_S23
MC3	10	E4	B88_L8P	36.203	J8-33	SZG_PORTA_P2C_CLKP	SZG_PORTA_P2C_CLKP
MC3	11	B3	B88_L6N	36.837	J8-26	SZG_PORTA_S21	SZG_PORTA_S21
MC3	12	D4	B88_L8N	36.159	J8-35	SZG_PORTA_P2C_CLKN	SZG_PORTA_P2C_CLKN
MC3	13	C1	B88_L2P	41.924	J8-17	SZG_PORTA_S12_D6P	SZG_PORTA_S12_D6P
MC3	14	F6	B88_L12P	39.017	J8-23	SZG_PORTA_S18	SZG_PORTA_S18
MC3	15	B1	B88_L2N	41.277	J8-19	SZG_PORTA_S14_D6N	SZG_PORTA_S14_D6N
MC3	16	E5	B88_L12N	38.799	J8-21	SZG_PORTA_S16	SZG_PORTA_S16
MC3	17	C4	B88_L7P	36.211	J8-24	SZG_PORTA_S19	SZG_PORTA_S19
MC3	18	B5	B88_L10P	31.318	J8-13	SZG_PORTA_S8_D4P	SZG_PORTA_S8_D4P
MC3	19	B4	B88_L7N	36.108	J8-22	SZG_PORTA_S17	SZG_PORTA_S17
MC3	20	A5	B88_L10N	30.649	J8-15	SZG_PORTA_S10_D4N	SZG_PORTA_S10_D4N
MC3	21	A3	B88_L3P	39.028	J8-18	SZG_PORTA_S13_D7P	SZG_PORTA_S13_D7P

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC3	22	D6	B88_L11P	36.528	J8-9	SZG_PORTA_S4_D2P	SZG_PORTA_S4_D2P
MC3	23	A2	B88_L3N	39.374	J8-20	SZG_PORTA_S15_D7N	SZG_PORTA_S15_D7N
MC3	24	D5	B88_L11N	36.881	J8-11	SZG_PORTA_S6_D2N	SZG_PORTA_S6_D2N
MC3	25					VCCO_87_88	SZG_PORTA_VIO
MC3	26	N9	B87_L2P	44.282	J8-5	SZG_PORTA_S0_D0P	SZG_PORTA_S0_D0P
MC3	27	J7	B87_L9P	44.848	J8-14	SZG_PORTA_S9_D5P	SZG_PORTA_S9_D5P
MC3	28	N8	B87_L2N	43.179	J8-7	SZG_PORTA_S2_D0N	SZG_PORTA_S2_D0N
MC3	29	J6	B87_L9N	44.668	J8-16	SZG_PORTA_S11_D5N	SZG_PORTA_S11_D5N
MC3	30	L8	B87_L7P	41.686	J8-6	SZG_PORTA_S1_D1P	SZG_PORTA_S1_D1P
MC3	31	H6	B87_L10P	44.230	J8-10	SZG_PORTA_S5_D3P	SZG_PORTA_S5_D3P
MC3	32	K8	B87_L7N	41.308	J8-8	SZG_PORTA_S3_D1N	SZG_PORTA_S3_D1N
MC3	33	G6	B87_L10N	43.336	J8-12	SZG_PORTA_S7_D3N	SZG_PORTA_S7_D3N
MC3	34	M9	B87_L5P	41.823	J14-9	QSFP1_RESET_B	
MC3	35	H7	B87_L11P	41.298	J15-9	QSFP2_RESET_B	
MC3	36	M8	B87_L5N	41.691	J14-31	QSFP1_LP_MODE	
MC3	37	G7	B87_L11N	40.940	J15-31	QSFP2_LP_MODE	
MC3	38	P12	B87_L1P	46.887	J14-8	QSFP1_MODSEL_B	
MC3	39	H8	B87_L12P	43.929	J15-8	QSFP2_MODSEL_B	
MC3	40	N12	B87_L1N	45.767	J14-27	QSFP1_MODPRS_B	
MC3	41	G8	B87_L12N	43.571	J15-27	QSFP2_MODPRS_B	
MC3	42	N11	B87_L4P	41.251	J14-28	QSFP1_INT_B	
MC3	43	K9	B87_L8P	42.422	J15-12	QSFP2_SDA	
MC3	44	M11	B87_L4N	40.401	J14-11	QSFP1_SCL	
MC3	45	J9	B87_L8N	42.350	J15-28	QSFP2_INT_B	
MC3	46	N13	B87_L3P	43.700	J14-12	QSFP1_SDA	
MC3	47	M10	B87_L6P	48.363	J15-11	QSFP2_SCL	
MC3	48	M12	B87_L3N	44.623			
MC3	49	L10	B87_L6N	48.328			
MC3	50					VREF_68	
MC3	51					VCCO_68	VCCO_68
MC3	52	M13	B68_L1P	40.466	J9-31	SZG_PORTB_S26	SZG_PORTB_S26
MC3	53	F7	B68_L7P	43.435	J9-34	SZG_PORTB_C2P_CLKP	SZG_PORTB_C2P_CLKP
MC3	54	L13	B68_L1N	40.087	J9-29	SZG_PORTB_S24	SZG_PORTB_S24

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC3	55	E7	B68_L7N	43.629	J9-36	SZG_PORTB_C2P_CLKN	SZG_PORTB_C2P_CLKN
MC3	56	K14	B68_L5P	40.731	J9-27	SZG_PORTB_S22	SZG_PORTB_S22
MC3	57	C7	B68_L19P	39.202	J9-32	SZG_PORTB_S27	SZG_PORTB_S27
MC3	58	J14	B68_L5N	40.353	J9-25	SZG_PORTB_S20	SZG_PORTB_S20
MC3	59	C6	B68_L19N	39.057	J9-30	SZG_PORTB_S25	SZG_PORTB_S25
MC3	60	D7	B68_T1U	28.913	J9-23	SZG_PORTB_S18	SZG_PORTB_S18
MC3	61	B6	B68_L21P	38.516	J9-28	SZG_PORTB_S23	SZG_PORTB_S23
MC3	62	G10	B68_L12P	33.173	J9-33	SZG_PORTB_P2C_CLKP	SZG_PORTB_P2C_CLKP
MC3	63	A6	B68_L21N	38.208	J9-26	SZG_PORTB_S21	SZG_PORTB_S21
MC3	64	F10	B68_L12N	33.547	J9-35	SZG_PORTB_P2C_CLKN	SZG_PORTB_P2C_CLKN
MC3	65	A9	B68_T3U	31.872	J9-24	SZG_PORTB_S19	SZG_PORTB_S19
MC3	66	F8	B68_L9P	35.483	J9-17	SZG_PORTB_S12_D6P	SZG_PORTB_S12_D6P
MC3	67	A8	B68_L23P	38.554	J9-22	SZG_PORTB_S17	SZG_PORTB_S17
MC3	68	E8	B68_L9N	35.125	J9-19	SZG_PORTB_S14_D6N	SZG_PORTB_S14_D6N
MC3	69	A7	B68_L23N	38.075	J9-21	SZG_PORTB_S16	SZG_PORTB_S16
MC3	70	F12	B68_L17P	30.621	J9-13	SZG_PORTB_S8_D4P	SZG_PORTB_S8_D4P
MC3	71	C9	B68_L8P	38.442	J9-18	SZG_PORTB_S13_D7P	SZG_PORTB_S13_D7P
MC3	72	E12	B68_L17N	30.652	J9-15	SZG_PORTB_S10_D4N	SZG_PORTB_S10_D4N
MC3	73	C8	B68_L8N	37.811	J9-20	SZG_PORTB_S15_D7N	SZG_PORTB_S15_D7N
MC3	74	B10	B68_L22P	33.029	J9-9	SZG_PORTB_S4_D2P	SZG_PORTB_S4_D2P
MC3	75	B9	B68_L20P	39.723	J9-14	SZG_PORTB_S9_D5P	SZG_PORTB_S9_D5P
MC3	76	A10	B68_L22N	32.967	J9-11	SZG_PORTB_S6_D2N	SZG_PORTB_S6_D2N
MC3	77	B8	B68_L20N	38.874	J9-16	SZG_PORTB_S11_D5N	SZG_PORTB_S11_D5N
MC3	78	E9	B68_L10P	32.030	J9-5	SZG_PORTB_S0_D0P	SZG_PORTB_S0_D0P
MC3	79	B11	B68_L24P	33.867	J9-10	SZG_PORTB_S5_D3P	SZG_PORTB_S5_D3P
MC3	80	D9	B68_L10N	32.075	J9-7	SZG_PORTB_S2_D0N	SZG_PORTB_S2_D0N
MC3	81	A11	B68_L24N	33.495	J9-12	SZG_PORTB_S7_D3N	SZG_PORTB_S7_D3N
MC3	82	L12	B68_L3P	41.072	J10-	B68_L3P_N4	
MC3	83	H9	B68_L11P	44.563	J9-6	SZG_PORTB_S1_D1P	SZG_PORTB_S1_D1P
MC3	84	L11	B68_L3N	39.814	J10-	B68_L3N_N5	
MC3	85	G9	B68_L11N	44.575	J9-8	SZG_PORTB_S3_D1N	SZG_PORTB_S3_D1N
MC3	86	H11	B68_L13P	39.687	J10-5	B68_L13P_N0	
MC3	87	D12	B68_L18P	37.416		DISPLAYPORT_PL_SRC_AUX_P_C	

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC3	88	G11	B68_L13N	39.675	J10-7	B68_L13N_N1	
MC3	89	C11	B68_L18N	36.638		DISPLAYPORT_PL_SRC_AUX_N_C	
MC3	90	D11	B68_L16P	33.305	J10-9	B68_L16P_N6	
MC3	91	K10	B68_L2P	54.196		DISPLAYPORT_PL_SRC_PWD_B	
MC3	92	D10	B68_L16N	33.405	J10-11	B68_L16N_N7	
MC3	93	J10	B68_L2N	53.886		DISPLAYPORT_PL_SRC_HPD	
MC3	94				TP4	VREF_67	
MC3	95	H14	B68_T0U	41.842		DISPLAYPORT_PL_SNK_HPD	
MC3	96	H13	B68_L15P	42.287	J10-13	B68_L15P_N4	
MC3	97	L14	B68_L6P	55.219		DISPLAYPORT_PL_SNK_AUX_P	
MC3	98	H12	B68_L15N	42.327	J10-15	B68_L15N_N5	
MC3	99	K13	B68_L6N	55.454		DISPLAYPORT_PL_SNK_AUX_N	
MC3	100	F11	B68_L14P	37.590	J10-17	B68_L14P_N2	
MC3	101	G13	B68_T2U	39.506			
MC3	102	E10	B68_L14N	37.567	J10-19	B68_L14N_N3	
MC3	103					VCCO_67	VCCO_67
MC3	104	K12	B68_L4P	47.119			
MC3	105	A13	B67_L5P	37.034	J11-34	SZG_PORTC_C2P_CLKP	SZG_PORTC_C2P_CLKP
MC3	106	J11	B68_L4N	47.048			
MC3	107	A12	B67_L5N	37.199	J11-36	SZG_PORTC_C2P_CLKN	SZG_PORTC_C2P_CLKN
MC3	108	C13	B67_L6P	34.156	J11-31	SZG_PORTC_S26	SZG_PORTC_S26
MC3	109	B14	B67_L4P	40.893	J11-32	SZG_PORTC_S27	SZG_PORTC_S27
MC3	110	C12	B67_L6N	34.439	J11-29	SZG_PORTC_S24	SZG_PORTC_S24
MC3	111	B13	B67_L4N	40.744	J11-30	SZG_PORTC_S25	SZG_PORTC_S25
MC3	112	L15	B67_L22P	39.437	J11-27	SZG_PORTC_S22	SZG_PORTC_S22
MC3	113	A15	B67_L3P	36.819	J11-28	SZG_PORTC_S23	SZG_PORTC_S23
MC3	114	K15	B67_L22N	39.429	J11-25	SZG_PORTC_S20	SZG_PORTC_S20
MC3	115	A14	B67_L3N	36.984	J11-26	SZG_PORTC_S21	SZG_PORTC_S21
MC3	116	C14	B67_T0U	34.302	J11-23	SZG_PORTC_S18	SZG_PORTC_S18
MC3	117	B16	B67_L2P	40.251	J11-24	SZG_PORTC_S19	SZG_PORTC_S19
MC3	118	E13	B67_T1U	34.472	J11-21	SZG_PORTC_S16	SZG_PORTC_S16
MC3	119	B15	B67_L2N	40.417	J11-22	SZG_PORTC_S17	SZG_PORTC_S17
MC3	120					VCC_PSBATT	

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC3	121	A17	B67_L1P	40.472	J11-18	SZG_PORTC_S13_D7P	SZG_PORTC_S13_D7P
MC3	122	J16	B67_L20P	43.861	J11-13	SZG_PORTC_S8_D4P	SZG_PORTC_S8_D4P
MC3	123	A16	B67_L1N	40.267	J11-20	SZG_PORTC_S15_D7N	SZG_PORTC_S15_D7N
MC3	124	J15	B67_L20N	43.947	J11-15	SZG_PORTC_S10_D4N	SZG_PORTC_S10_D4N
MC3	125	D17	B67_L8P	43.128	J11-14	SZG_PORTC_S9_D5P	SZG_PORTC_S9_D5P
MC3	126	G15	B67_L14P	39.625	J11-5	SZG_PORTC_S0_D0P	SZG_PORTC_S0_D0P
MC3	127	C17	B67_L8N	43.534	J11-16	SZG_PORTC_S11_D5N	SZG_PORTC_S11_D5N
MC3	128	F15	B67_L14N	39.535	J11-7	SZG_PORTC_S2_D0N	SZG_PORTC_S2_D0N
MC3	129	G14	B67_L10P	48.692	J11-10	SZG_PORTC_S5_D3P	SZG_PORTC_S5_D3P
MC3	130	L17	B67_L24P	46.008	J11-9	SZG_PORTC_S4_D2P	SZG_PORTC_S4_D2P
MC3	131	F13	B67_L10N	48.739	J11-12	SZG_PORTC_S7_D3N	SZG_PORTC_S7_D3N
MC3	132	L16	B67_L24N	46.219	J11-11	SZG_PORTC_S6_D2N	SZG_PORTC_S6_D2N
MC3	133	H19	B67_L15P	46.595	J11-6	SZG_PORTC_S1_D1P	SZG_PORTC_S1_D1P
MC3	134	F17	B67_L13P	41.367	J11-33	SZG_PORTC_P2C_CLKP	SZG_PORTC_P2C_CLKP
MC3	135	G19	B67_L15N	46.545	J11-8	SZG_PORTC_S3_D1N	SZG_PORTC_S3_D1N
MC3	136	F16	B67_L13N	41.413	J11-35	SZG_PORTC_P2C_CLKN	SZG_PORTC_P2C_CLKN
MC3	137	D16	B67_L7P	46.612	J11-17	SZG_PORTC_S12_D6P	SZG_PORTC_S12_D6P
MC3	138	J20	B67_T3U	44.683	J6-20	SZG_PORTE_S5	SZG_PORTE_S5
MC3	139	C16	B67_L7N	46.257	J11-19	SZG_PORTC_S14_D6N	SZG_PORTC_S14_D6N
MC3	140	K19	B67_L23P	48.004	J6-21	SZG_PORTE_S6	SZG_PORTE_S6
MC3	141	J19	B67_T2U	47.641	J6-14	SZG_PORTE_S0	SZG_PORTE_S0
MC3	142	K18	B67_L23N	47.962	J6-22	SZG_PORTE_S7	SZG_PORTE_S7
MC3	143	E15	B67_L12P	51.168	J6-33	SZG_PORTE_P2C_CLKP	SZG_PORTE_P2C_CLKP
MC3	144	E18	B67_L9P	41.703	J6-23	SZG_PORTE_S8	SZG_PORTE_S8
MC3	145	E14	B67_L12N	51.224	J6-35	SZG_PORTE_P2C_CLKN	SZG_PORTE_P2C_CLKN
MC3	146	E17	B67_L9N	41.319	J6-24	SZG_PORTE_S9	SZG_PORTE_S9
MC3	147	L20	B67_L19P	54.050	J6-18	SZG_PORTE_S3	SZG_PORTE_S3
MC3	148	H18	B67_L16P	49.491	J6-34	SZG_PORTE_C2P_CLKP	SZG_PORTE_C2P_CLKP
MC3	149	K20	B67_L19N	54.037	J6-19	SZG_PORTE_S4	SZG_PORTE_S4
MC3	150	H17	B67_L16N	49.597	J6-36	SZG_PORTE_C2P_CLKN	SZG_PORTE_C2P_CLKN
MC3	151	G18	B67_L17P	52.525		DISPLAYPORT_PS_SRC_AUX_P_C	
MC3	152	H16	B67_L18P	48.720	J6-16	SZG_PORTE_S1	SZG_PORTE_S1
MC3	153	F18	B67_L17N	52.565		DISPLAYPORT_PS_SRC_AUX_N_C	

Connector	Pin	FPGA Pin	Pin Description	Rev AXX PCB Length (mm)	BRK1900	BRK1900 Net	BRK1900 SZG
MC3	154	G16	B67_L18N	49.928	J6-17	SZG_PORTE_S2	SZG_PORTE_S2
MC3	155	K17	B67_L21P	57.149			
MC3	156						
MC3	157	J17	B67_L21N	57.150		DISPLAYPORT_PS_SRC_HPD	
MC3	158					VCCO_28	VCCO_28
MC3	159						
MC3	160						
MC3	161						
MC3	162					VREF_28	
MC3	163						
MC3	164						
MC3	165						
MC3	166					+3.3V	
MC3	167						
MC3	168					+3.3V	
MC3	169						
MC3	170						
MC3	171					VDCIN	
MC3	172					VDCIN	
MC3	173					VDCIN	
MC3	174					VDCIN	
MC3	175					VDCIN	
MC3	176					VDCIN	
MC3	177					VDCIN	
MC3	178					VDCIN	
MC3	179					VDCIN	
MC3	180					VDCIN	