

Pin List: XEM8350

2020-09-29

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC1	1						
MC1	2						
MC1	3						
MC1	4						
MC1	5						
MC1	6						
MC1	7						
MC1	8						
MC1	9	U11	TDI_0		J3-10		
MC1	10		IPMI_SDA				
MC1	11	T10	TDO_0		J3-8		
MC1	12		IPMI_SCL				
MC1	13	AA11	TCK_0		J3-6		
MC1	14	Y16	XADC_VP		MC1A-1		
MC1	15	W11	TMS_0		J3-4		
MC1	16	AA15	XADC_VN		MC1A-2		
MC1	17	P28	B48_L1P	63.254	J1-31		PORTA-S26
MC1	18	J26	B48_L14P	53.526	J1-36		PORTA-C2P-CLKN
MC1	19	N28	B48_L1N	63.289	J1-29		PORTA-S24
MC1	20	H26	B48_L14N	53.093	J1-34		PORTA-C2P-CLKP
MC1	21	C26	B48_L21P	46.865	J1-27		PORTA-S22
MC1	22	N24	B48_L8P	52.435	J1-32		PORTA-S27
MC1	23	C27	B48_L21N	46.281	J1-25		PORTA-S20
MC1	24	M24	B48_L8N	52.488	J1-30		PORTA-S25
MC1	25	T25	B48_L2P	62.186	J1-23		PORTA-S18
MC1	26	G26	B48_L18P	49.146	J1-28		PORTA-S23
MC1	27	R25	B48_L2N	62.347	J1-21		PORTA-S16
MC1	28	G27	B48_L18N	48.978	J1-26		PORTA-S21
MC1	29	F27	B48_L15P	48.172	J1-19		PORTA-S14-D6N
MC1	30	D25	B48_L22P	44.495	J1-24		PORTA-S19
MC1	31	E27	B48_L15N	48.129	J1-17		PORTA-S12-D6P

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC1	32	D26	B48_L22N	44.495	J1-22		PORTA-S17
MC1	33	K26	B48_L12P	54.594	J1-35		PORTA-P2C-CLKN
MC1	34	B26	B48_L23P	44.145	J1-20		PORTA-S15-D7N
MC1	35	K27	B48_L12N	54.179	J1-33		PORTA-P2C-CLKP
MC1	36	B27	B48_L23N	43.805	J1-18		PORTA-S13-D7P
MC1	37	M27	B48_L9P	52.786	J1-15		PORTA-S10-D4N
MC1	38	E25	B48_L20P	41.707	J1-16		PORTA-S11-D5N
MC1	39	L27	B48_L9N	52.827	J1-13		PORTA-S8-D4P
MC1	40	E26	B48_L20N	41.706	J1-14		PORTA-S9-D5P
MC1	41	P26	B48_L6P	57.654	J1-11		PORTA-S6-D2N
MC1	42	B25	B48_L24P	37.277	J1-12		PORTA-S7-D3N
MC1	43	N26	B48_L6N	57.912	J1-9		PORTA-S4-D2P
MC1	44	A25	B48_L24N	36.016	J1-10		PORTA-S5-D3P
MC1	45	F28	B48_L17P	45.309	J1-7		PORTA-S2-D0N
MC1	46	M25	B48_L7P	47.109	J1-8		PORTA-S3-D1N
MC1	47	E28	B48_L17N	44.876	J1-5		PORTA-S0-D0P
MC1	48	M26	B48_L7N	46.641	J1-6		PORTA-S1-D1P
MC1	49	D28	B48_L19P	48.374	MC1A-3		
MC1	50	G25	B48_L16P	39.878	MC1A-5		
MC1	51	C28	B48_L19N	47.984	MC1A-4		
MC1	52	F25	B48_L16N	39.775	MC1A-6		
MC1	53	K28	B48_L11P	49.267	MC1A-7		
MC1	54	P24	B48_L4P	46.404	MC1A-9		
MC1	55	J28	B48_L11N	49.496	MC1A-8		
MC1	56	P25	B48_L4N	46.405	MC1A-10		
MC1	57	R26	B48_L3P	55.484	MC1A-11		
MC1	58	L25	B48_L10P	41.213	MC1A-13		
MC1	59	R27	B48_L3N	55.484	MC1A-12		
MC1	60	K25	B48_L10N	41.181	MC1A-14		
MC1	61	A27	B48_T3U_N12	34.168	MC1A-15		
MC1	62	J25	B48_T2U_N12	35.526	MC1A-17		
MC1	63	L28	B48_T1U_N12	44.013	MC1A-16		
MC1	64	N27	B48_T0U_N12	39.549	MC1A-18		
MC1	65	H27	B48_L13P	43.562	MC1A-19		

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC1	66	T28	B48_L5P	49.537	MC1A-21		
MC1	67	H28	B48_L13N	43.228	MC1A-20		
MC1	68	R28	B48_L5N	49.779	MC1A-22		
MC1	69	G29	B47_L17P	39.897	MC1A-23		
MC1	70	M29	B47_L5P	39.709	MC1A-25		
MC1	71	F29	B47_L17N	39.462	MC1A-24		
MC1	72	L29	B47_L5N	39.073	MC1A-26		
MC1	73	J29	B47_L9P	44.485	MC1A-27		
MC1	74	A28	B47_L23P	30.827	MC1A-29		
MC1	75	H29	B47_L9N	43.480	MC1A-28		
MC1	76	A29	B47_L23N	30.106	MC1A-30		
MC1	77	P29	B47_L4P	49.002	MC1A-31		
MC1	78	B30	B47_L19P	29.280	MC1A-33		
MC1	79	N29	B47_L4N	49.166	MC1A-32		
MC1	80	A30	B47_L19N	27.821	MC1A-34		
MC1	81	K30	B47_T1U_N12	47.515	MC1A-35		
MC1	82	M30	B47_L6P	42.953	MC1A-37		
MC1	83	E30	B47_L18P	37.421	MC1A-36		
MC1	84	L30	B47_L6N	42.282	MC1A-38		
MC1	85	D30	B47_L18N	36.175	MC1A-39		
MC1	86	B29	B47_T3U_N12	27.012	MC1A-40		
MC1	87	C31	B47_L24P	37.266	J2-36		PORTB-C2P-CLKN
MC1	88	G30	B47_L15P	35.610	J2-31		PORTB-S26
MC1	89	B31	B47_L24N	36.852	J2-34		PORTB-C2P-CLKP
MC1	90	F30	B47_L15N	34.745	J2-29		PORTB-S24
MC1	91	D29	B47_L21P	34.927	J2-30		PORTB-S25
MC1	92	J30	B47_L7P	37.442	J2-27		PORTB-S22
MC1	93	C29	B47_L21N	33.799	J2-23		PORTB-S18
MC1	94	J31	B47_L7N	36.089	J2-25		PORTB-S20
MC1	95	H32	B47_L12P	42.178	J2-35		PORTB-P2C-CLKN
MC1	96	C32	B47_L20P	35.882	J2-32		PORTB-S27
MC1	97	G32	B47_L12N	41.738	J2-33		PORTB-P2C-CLKP
MC1	98	C33	B47_L20N	34.431	J2-28		PORTB-S23
MC1	99	H31	B47_L11P	38.381	J2-19		PORTB-S14-D6N

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC1	100	E31	B47_L16P	30.141	J2-26		PORTB-S21
MC1	101	G31	B47_L11N	37.960	J2-17		PORTB-S12-D6P
MC1	102	D31	B47_L16N	28.991	J2-24		PORTB-S19
MC1	103	F33	B47_L13P	40.098	J2-21		PORTB-S16
MC1	104	R30	B47_L2P	44.007	J2-15		PORTB-S10-D4N
MC1	105	E33	B47_L13N	39.665	J2-22		PORTB-S17
MC1	106	P30	B47_L2N	42.745	J2-13		PORTB-S8-D4P
MC1	107	M31	B47_L1P	44.819	J2-16		PORTB-S11-D5N
MC1	108	B32	B47_L22P	26.463	J2-11		PORTB-S6-D2N
MC1	109	M32	B47_L1N	43.477	J2-14		PORTB-S9-D5P
MC1	110	A32	B47_L22N	25.555	J2-9		PORTB-S4-D2P
MC1	111	J33	B47_L8P	42.378	J2-20		PORTB-S15-D7N
MC1	112	K31	B47_L10P	37.683	J2-8		PORTB-S3-D1N
MC1	113	H33	B47_L8N	41.198	J2-18		PORTB-S13-D7P
MC1	114	K32	B47_L10N	36.388	J2-6		PORTB-S1-D1P
MC1	115	L32	B47_L3P	43.504	J2-12		PORTB-S7-D3N
MC1	116	F32	B47_L14P	29.177	J2-7		PORTB-S2-D0N
MC1	117	L33	B47_L3N	42.167	J2-10		PORTB-S5-D3P
MC1	118	E32	B47_L14N	28.760	J2-5		PORTB-S0-D0P
MC1	119	D33	B47_T2U_N12	35.922			
MC1	120	K33	B47_T0U_N12	36.205			
MC1	121	E35	B46_L21P	35.122	MC1B-1		
MC1	122	D34	B46_L23P	27.313	MC1B-3		
MC1	123	D35	B46_L21N	34.136	MC1B-2		
MC1	124	C34	B46_L23N	26.416	MC1B-4		
MC1	125	B34	B46_L24P	34.996	MC1B-5		
MC1	126	H34	B46_L9P	34.173	MC1B-7		
MC1	127	A34	B46_L24N	33.416	MC1B-6		
MC1	128	G34	B46_L9N	33.752	MC1B-8		
MC1	129	B35	B46_L22P	32.652	MC1B-9		
MC1	130	L35	B46_L3P	34.428	MC1B-11		
MC1	131	A35	B46_L22N	30.956	MC1B-10		
MC1	132	K35	B46_L3N	34.007	MC1B-12		
MC1	133	E36	B46_L19P	38.115	MC1B-13		

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC1	134	G35	B46_L7P	34.442	MC1B-15		
MC1	135	D36	B46_L19N	37.329	MC1B-14		
MC1	136	F35	B46_L7N	33.313	MC1B-16		
MC1	137	F34	B46_T1U_N12	36.157	MC1B-17		
MC1	138	A33	B46_T3U_N12	25.111	MC1B-19		
MC1	139	K36	B46_L1P	43.735	MC1B-18		
MC1	140	H36	B46_L11P	34.745	MC1B-20		
MC1	141	J36	B46_L1N	42.805	MC1B-21		
MC1	142	G36	B46_L11N	34.697	MC1B-23		
MC1	143	C36	B46_L20P	34.473	MC1B-22		
MC1	144	G37	B46_L12P	30.882	MC1B-24		
MC1	145	B36	B46_L20N	32.925	MC1B-25		
MC1	146	F37	B46_L12N	30.449	MC1B-27		
MC1	147	J34	B46_L5P	44.347	MC1B-26		
MC1	148	C37	B46_L18P	31.307	MC1B-28		
MC1	149	J35	B46_L5N	44.346	MC1B-29		
MC1	150	B37	B46_L18N	30.428	MC1B-31		
MC1	151	E37	B46_L14P	34.777	MC1B-30		
MC1	152	L37	B46_L6P	36.110	MC1B-32		
MC1	153	D38	B46_L14N	34.507	MC1B-33		
MC1	154	K37	B46_L6N	35.421	MC1B-35		
MC1	155	A37	B46_L17P	36.051	MC1B-34		
MC1	156	F38	B46_L13P	33.581	MC1B-36		
MC1	157	A38	B46_L17N	35.126	MC1B-37		
MC1	158	E38	B46_L13N	33.153	MC1B-39		
MC1	159	H39	B46_L8P	39.219	MC1B-38		
MC1	160	L38	B46_L4P	37.338	MC1B-40		
MC1	161	G39	B46_L8N	38.027			
MC1	162	K38	B46_L4N	36.647			
MC1	163	D39	B46_L15P	37.751			
MC1	164	J38	B46_L2P	37.929			
MC1	165	C39	B46_L15N	37.722			
MC1	166	J39	B46_L2N	36.937			
MC1	167	C38	B46_L16P	34.893			

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC1	168	H37	B46_L10P	36.266			
MC1	169	B39	B46_L16N	32.893			
MC1	170	H38	B46_L10N	34.800			
MC1	171	L39	B46_T0U_N12	47.011			
MC1	172	F39	B46_T2U_N12	34.333			
MC1	173						
MC1	174						
MC1	175						
MC1	176						
MC1	177						
MC1	178						
MC1	179						
MC1	180						
MC2	1						
MC2	2						
MC2	3	AV21	B44_L2P	34.005	MC2A-1		
MC2	4						
MC2	5	AW21	B44_L2N	34.248	MC2A-2		
MC2	6						
MC2	7	AN24	B44_L7P	41.705	MC2A-3		
MC2	8	AV23	B44_L3P	39.001	MC2A-5		
MC2	9	AP24	B44_L7N	40.625	MC2A-4		
MC2	10	AW23	B44_L3N	38.580	MC2A-6		
MC2	11	AN23	B44_L9P	37.696	MC2A-7		
MC2	12	AR22	B44_L8P	43.077	MC2A-9		
MC2	13	AP23	B44_L9N	37.743	MC2A-8		
MC2	14	AR23	B44_L8N	42.641	MC2A-10		
MC2	15	AU21	B44_L4P	35.405	MC2A-11		
MC2	16	AT22	B44_L6P	38.884	MC2A-13		
MC2	17	AV22	B44_L4N	36.226	MC2A-12		
MC2	18	AU22	B44_L6N	38.464	MC2A-14		
MC2	19	AP21	B44_L10P	34.158	MC2A-15		
MC2	20	AT23	B44_L5P	40.382	MC2A-17		
MC2	21	AR21	B44_L10N	33.738	MC2A-16		

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC2	22	AT24	B44_L5N	40.959	MC2A-18		
MC2	23	AF24	B45_L22P	45.375	J4-5		PORTC-S0-D0P
MC2	24	AV24	B44_L1P	36.720			
MC2	25	AG24	B45_L22N	44.954	J4-7		PORTC-S2-D0N
MC2	26	AW24	B44_L1N	35.697			
MC2	27	AF25	B45_L20P	43.235	J4-6		PORTC-S1-D1P
MC2	28	AE27	B45_L23P	54.934	J4-13		PORTC-S8-D4P
MC2	29	AG25	B45_L20N	42.813	J4-8		PORTC-S3-D1N
MC2	30	AF27	B45_L23N	56.487	J4-15		PORTC-S10-D4N
MC2	31	AH24	B45_L18P	44.777	J4-9		PORTC-S4-D2P
MC2	32	AJ25	B45_L15P	46.463	J4-17		PORTC-S12-D6P
MC2	33	AJ24	B45_L18N	43.121	J4-11		PORTC-S6-D2N
MC2	34	AK25	B45_L15N	45.200	J4-19		PORTC-S14-D6N
MC2	35	AP26	B45_T1U_N12	35.523	J4-10		PORTC-S5-D3P
MC2	36	AT25	B45_T0U_N12	37.842	J4-14		PORTC-S9-D5P
MC2	37	AG26	B45_L24P	43.226	J4-12		PORTC-S7-D3N
MC2	38	AV26	B45_L6P	35.241	J4-16		PORTC-S11-D5N
MC2	39	AG27	B45_L24N	43.547	J4-22		PORTC-S17
MC2	40	AV27	B45_L6N	35.533	J4-18		PORTC-S13-D7P
MC2	41	AD26	B45_L21P	45.512	J4-21		PORTC-S16
MC2	42	AW25	B45_L2P	35.307	J4-20		PORTC-S15-D7N
MC2	43	AE26	B45_L21N	45.038	J4-28		PORTC-S23
MC2	44	AW26	B45_L2N	35.482	J4-24		PORTC-S19
MC2	45	AM26	B45_L12P	36.074	J4-33		PORTC-P2C-CLKP
MC2	46	AR26	B45_L7P	25.226	J4-23		PORTC-S18
MC2	47	AN26	B45_L12N	35.653	J4-35		PORTC-P2C-CLKN
MC2	48	AR27	B45_L7N	35.225	J4-26		PORTC-S21
MC2	49	AD25	B45_L19P	38.740	J4-29		PORTC-S24
MC2	50	AV28	B45_L1P	36.380	J4-25		PORTC-S20
MC2	51	AE25	B45_L19N	38.690	J4-31		PORTC-S26
MC2	52	AW28	B45_L1N	35.959	J4-30		PORTC-S25
MC2	53	AP25	B45_L10P	32.646	J4-27		PORTC-S22
MC2	54	AH26	B45_L17P	40.560	J4-32		PORTC-S27
MC2	55	AR25	B45_L10N	31.746	J32-42	M2_SMB_DATA	

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC2	56	AJ26	B45_L17N	39.852	J4-34		PORTC-C2P-CLKP
MC2	57	AM24	B45_L8P	30.591	J32-40	M2_SMB_CLK	
MC2	58	AR28	B45_L5P	36.620	J4-36		PORTC-C2P-CLKN
MC2	59	AM25	B45_L8N	31.517	J32-38	M2_DEVSLP	
MC2	60	AT28	B45_L5N	35.680	J32-10	M2_LED_1_B	
MC2	61	AL24	B45_L16P	28.497	J32-50	M2_PERST_B	
MC2	62	AN28	B45_L9P	31.564	J32-44	M2_ALERT_B	
MC2	63	AL25	B45_L16N	29.425	J32-52	M2_CLKREQ_B	
MC2	64	AP28	B45_L9N	30.714	J32-69	M2_PEDET	
MC2	65	AH27	B45_T3U_N12	29.607	J32-54	M2_PEWAKE_B	
MC2	66	AK26	B45_T2U_N12	35.394	J32-68	M2_SUSCLK	
MC2	67	AU25	B45_L4P	22.399	MC2A-19		
MC2	68	AL27	B45_L14P	32.424	MC2A-21		
MC2	69	AU26	B45_L4N	22.399	MC2A-20		
MC2	70	AL28	B45_L14N	32.100	MC2A-22		
MC2	71	AM27	B45_L11P	24.831	MC2A-23		
MC2	72	AK27	B45_L13P	36.332	MC2A-25		
MC2	73	AN27	B45_L11N	24.410	MC2A-24		
MC2	74	AK28	B45_L13N	35.953	MC2A-26		
MC2	75	AV29	B24_L2P	22.87	MC2A-27		
MC2	76	AT27	B45_L3P	25.674	MC2A-29		
MC2	77	AW29	B24_L2N	24.152	MC2A-28		
MC2	78	AU27	B45_L3N	24.593	MC2A-30		
MC2	79	AP29	B24_L10P	23.612	J5-6		PORTD-S1-D1P
MC2	80	AL30	B24_L13P	34.045	J5-9		PORTD-S4-D2P
MC2	81	AR30	B24_L10N	23.429	J5-8		PORTD-S3-D1N
MC2	82	AM30	B24_L13N	33.624	J5-11		PORTD-S6-D2N
MC2	83	AM31	B24_L12P	27.716	J5-5		PORTD-S0-D0P
MC2	84	AM32	B24_L11P	30.678	J5-14		PORTD-S9-D5P
MC2	85	AN31	B24_L12N	27.295	J5-7		PORTD-S2-D0N
MC2	86	AN32	B24_L11N	30.567	J5-16		PORTD-S11-D5N
MC2	87	AL29	B24_L14P	24.285	J5-33		PORTD-P2C-CLKP
MC2	88	AJ30	B24_L15P	35.752	J5-13		PORTD-S8-D4P
MC2	89	AM29	B24_L14N	24.333	J5-35		PORTD-P2C-CLKN

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC2	90	AK30	B24_L15N	35.626	J5-15		PORTD-S10-D4N
MC2	91	AU29	B24_L4P	21.251	J5-10		PORTD-S5-D3P
MC2	92	AN33	B24_L7P	30.472	J5-17		PORTD-S12-D6P
MC2	93	AU30	B24_L4N	23.446	J5-12		PORTD-S7-D3N
MC2	94	AP33	B24_L7N	30.451	J5-19		PORTD-S14-D6N
MC2	95	AT29	B24_L6P	18.058	J5-18		PORTD-S13-D7P
MC2	96	AW30	B24_L3P	24.100	J5-22		PORTD-S17
MC2	97	AT30	B24_L6N	18.058	J5-20		PORTD-S15-D7N
MC2	98	AW31	B24_L3N	25.138	J5-21		PORTD-S16
MC2	99	AP30	B24_L8P	22.948	J5-26		PORTD-S21
MC2	100	AJ33	B24_L18P	32.868	J5-24		PORTD-S19
MC2	101	AP31	B24_L8N	23.465	J5-30		PORTD-S25
MC2	102	AK33	B24_L18N	32.906	J5-23		PORTD-S18
MC2	103	AE28	B24_L24P	30.071	J5-29		PORTD-S24
MC2	104	AH28	B24_L22P	36.724	J5-32		PORTD-S27
MC2	105	AF28	B24_L24N	31.362	J5-25		PORTD-S20
MC2	106	AJ28	B24_L22N	37.075	J5-28		PORTD-S23
MC2	107	AR31	B24_L9P	21.881	J5-27		PORTD-S22
MC2	108	AF29	B24_L23P	35.312	J5-34		PORTD-C2P-CLKP
MC2	109	AR32	B24_L9N	21.518	J5-31		PORTD-S26
MC2	110	AG29	B24_L23N	35.163	J5-36		PORTD-C2P-CLKN
MC2	111	AH29	B24_L19P	24.062	MC2A-31		
MC2	112	AJ31	B24_L17P	32.583	MC2A-33		
MC2	113	AJ29	B24_L19N	25.553	MC2A-32		
MC2	114	AK31	B24_L17N	32.841	MC2A-34		
MC2	115	AE30	B24_L21P	32.466	MC2A-35		
MC2	116	AH31	B24_L20P	30.822	MC2A-37		
MC2	117	AF30	B24_L21N	33.88	MC2A-36		
MC2	118	AH32	B24_L20N	30.822	MC2A-38		
MC2	119	AN29	B24_T1U_N12	20.657	MC2A-39		
MC2	120	AT32	B24_T0U_N12	24.928	MC2A-40		
MC2	121	AU31	B24_L5P	21.144	J30-12	QSFP_1_SDA	
MC2	122	AK32	B24_L16P	32.41	J30-8	QSFP_1_MODSEL_B	
MC2	123	AV31	B24_L5N	20.933	J30-11	QSFP_1_SCL	

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC2	124	AL32	B24_L16N	32.081	J30-9	QSFP_1_RESET_B	
MC2	125	AL33	B24_T2U_N12	25.695	J30-31	QSFP_1_LP_MODE	
MC2	126	AU32	B24_L1P	27.584	J30-27	QSFP_1_MODPRS_B	
MC2	127	AN34	B25_L15P	22.069	J31-28	QSFP_2_INT_B	
MC2	128	AV32	B24_L1N	27.623	J31-31	QSFP_2_LP_MODE	
MC2	129	AP34	B25_L15N	20.790	J30-28	QSFP_1_INT_B	
MC2	130	AG30	B24_T3U_N12	35.587	J31-8	QSFP_2_MODSEL_B	
MC2	131	AW33	B25_L1P	19.659	J31-11	QSFP_2_SCL	
MC2	132	AR33	B25_L5P	28.859	J31-9	QSFP_2_RESET_B	
MC2	133	AW34	B25_L1N	19.659	J31-12	QSFP_2_SDA	
MC2	134	AT33	B25_L5N	27.675	J31-27	QSFP_2_MODPRS_B	
MC2	135	AV33	B25_L2P	18.416			
MC2	136	AT34	B25_L3P	28.266	J8-21		PORTE-S6
MC2	137	AV34	B25_L2N	17.580	J8-14		PORTE-S0
MC2	138	AU34	B25_L3N	26.903	J8-19		PORTE-S4
MC2	139	AL34	B25_L21P	27.286			
MC2	140	AT35	B25_L6P	28.948	J8-17		PORTE-S2
MC2	141	AL35	B25_L21N	28.175			
MC2	142	AU35	B25_L6N	27.252	J8-22		PORTE-S7
MC2	143	AK35	B25_L23P	25.753	J8-16		PORTE-S1
MC2	144	AM34	B25_L17P	28.472			
MC2	145	AK36	B25_L23N	26.242	J8-18		PORTE-S3
MC2	146	AM35	B25_L17N	28.472			
MC2	147	AM36	B25_L19P	27.649	J8-20		PORTE-S5
MC2	148	AP36	B25_L13P	30.147	J8-33		PORTE-P2C-CLKP
MC2	149	AM37	B25_L19N	26.723			
MC2	150	AR36	B25_L13N	29.726	J8-35		PORTE-P2C-CLKN
MC2	151	AP35	B25_T2U_N12	20.651	J8-24		PORTE-S9
MC2	152	AW35	B25_L4P	22.807			
MC2	153	AU37	B25_L9P	22.003	J8-23		PORTE-S8
MC2	154	AW36	B25_L4N	21.736	J8-34		PORTE-C2P-CLKP
MC2	155	AV37	B25_L9N	20.513			
MC2	156	AR35	B25_T0U_N12	30.891	J8-36		PORTE-C2P-CLKN
MC2	157	AV38	B25_L8P	17.470			

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC2	158	AU36	B25_L7P	27.816	J23-19		PORTF-S4
MC2	159	AV39	B25_L8N	16.533	J23-18		PORTF-S3
MC2	160	AV36	B25_L7N	27.034	J23-17		PORTF-S2
MC2	161	AL37	B25_L20P	29.715	J23-20		PORTF-S5
MC2	162	AR37	B25_L11P	29.444	J23-33		PORTF-P2C-CLKP
MC2	163	AL38	B25_L20N	27.889			
MC2	164	AT37	B25_L11N	29.023	J23-35		PORTF-P2C-CLKN
MC2	165	AN38	B25_L16P	23.885			
MC2	166	AN36	B25_L14P	30.206			
MC2	167	AP38	B25_L16N	23.189			
MC2	168	AN37	B25_L14N	29.602			
MC2	169	AN39	B25_L18P	26.571	J23-34		PORTF-C2P-CLKP
MC2	170	AT39	B25_L10P	29.617	J23-21		PORTF-S6
MC2	171	AP39	B25_L18N	25.329	J23-36		PORTF-C2P-CLKN
MC2	172	AU39	B25_L10N	29.196	J23-23		PORTF-S8
MC2	173	AW38	B25_T1U_N12	18.309	J23-22		PORTF-S7
MC2	174	AL39	B25_L24P	33.072			
MC2	175	AK37	B25_L22P	30.937	J23-24		PORTF-S9
MC2	176	AM39	B25_L24N	31.675			
MC2	177	AK38	B25_L22N	29.388			
MC2	178	AR38	B25_L12P	31.304	J23-16		PORTF-S1
MC2	179	AJ39	B25_T3U_N12	26.997			
MC2	180	AT38	B25_L12N	30.883	J23-14		PORTF-S0
MC3	1	N38	MGT_RXP3_128	46.257	J26-6	SATA_1_TXB+	
MC3	2	N34	MGT_TXP3_128	44.593	J26-2	SATA_1_TXA+	
MC3	3	N39	MGT_RXN3_128	46.213	J26-5	SATA_1_TXB-	
MC3	4	N35	MGT_TXN3_128	44.506	J26-3	SATA_1_TXA-	
MC3	5	P36	MGT_RXP2_128	47.759	J27-6	SATA_2_TXB+	
MC3	6	R34	MGT_TXP2_128	44.073	J27-2	SATA_2_TXA+	
MC3	7	P37	MGT_RXN2_128	47.694	J27-5	SATA_2_TXB-	
MC3	8	R35	MGT_TXN2_128	44.008	J27-3	SATA_2_TXA-	
MC3	9	R38	MGT_RXP1_128	44.513	J11	SMA-RXP3	
MC3	10	T36	MGT_TXP1_128	41.615	J12	SMA-TXP3	
MC3	11	R39	MGT_RXN1_128	44.368	J13	SMA-RXN3	

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC3	12	T37	MGT_TXN1_128	41.551	J14	SMA-TXN3	
MC3	13	U38	MGT_RXP0_128	45.502	J6	SMA-RXP2	
MC3	14	U34	MGT_TXP0_128	43.255	J7	SMA-TXP2	
MC3	15	U39	MGT_RXN0_128	45.448	J9	SMA-RXN2	
MC3	16	U35	MGT_TXN0_128	43.185	J10	SMA-TXN2	
MC3	17	V32	MGT_REFCLK1P_127_C	32.318 + 14.904	U2-4	100MHz_REFP	
MC3	18	T32	MGT_REFCLK0P_128_C	38.906 + 2.317	J24	SMA-REFCLKP	
MC3	19	V33	MGT_REFCLK1N_127_C	32.540 + 14.916	U2-5	100MHz_REFN	
MC3	20	T33	MGT_REFCLK0N_128_C	39.120 + 2.317	J25	SMA-REFCLKN	
MC3	21	V36	MGT_RXP3_127	44.135	J32-7	M2_PER_P3	
MC3	22	W34	MGT_TXP3_127	47.320	J32-13	M2_PET_P3	
MC3	23	V37	MGT_RXN3_127	44.070	J32-5	M2_PER_N3	
MC3	24	W35	MGT_TXN3_127	47.263	J32-11	M2_PET_N3	
MC3	25	W38	MGT_RXP2_127	42.232	J32-19	M2_PER_P2	
MC3	26	Y36	MGT_TXP2_127	40.257	J32-25	M2_PET_P2	
MC3	27	W39	MGT_RXN2_127	42.167	J32-17	M2_PER_N2	
MC3	28	Y37	MGT_TXN2_127	40.195	J32-23	M2_PET_N2	
MC3	29	AA38	MGT_RXP1_127	42.008	J32-31	M2_PER_P1	
MC3	30	AA34	MGT_TXP1_127	42.024	J32-37	M2_PET_P1	
MC3	31	AA39	MGT_RXN1_127	41.863	J32-29	M2_PER_N1	
MC3	32	AA35	MGT_TXN1_127	41.959	J32-35	M2_PET_N1	
MC3	33	AB36	MGT_RXP0_127	44.153	J32-43	M2_PER_P0	
MC3	34	AC34	MGT_TXP0_127	42.699	J32-49	M2_PET_P0	
MC3	35	AB37	MGT_RXN0_127	44.110	J32-41	M2_PER_N0	
MC3	36	AC35	MGT_TXN0_127	42.634	J32-47	M2_PET_N0	
MC3	37	AC38	MGT_RXP3_126	42.222			
MC3	38	AD36	MGT_TXP3_126	38.305			
MC3	39	AC39	MGT_RXN3_126	42.179			
MC3	40	AD37	MGT_TXN3_126	38.240			
MC3	41	AE38	MGT_RXP2_126	38.719			
MC3	42	AE34	MGT_TXP2_126	35.954			
MC3	43	AE39	MGT_RXN2_126	38.711			
MC3	44	AE35	MGT_TXN2_126	35.897			
MC3	45	AF36	MGT_RXP1_126	40.882	J19	UFL_RXP1	

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC3	46	AG34	MGT_TXP1_126	35.819	J20	UFL_TXP1	
MC3	47	AF37	MGT_RXN1_126	40.882	J21	UFL_RXN1	
MC3	48	AG35	MGT_TXN1_126	35.755	J22	UFL_TXN1	
MC3	49	AG38	MGT_RXP0_126	39.118	J15	UFL_RXP0	
MC3	50	AH36	MGT_TXP0_126	34.582	J16	UFL_TXP0	
MC3	51	AG39	MGT_RXN0_126	38.973	J17	UFL_RXN0	
MC3	52	AH37	MGT_TXN0_126	34.559	J18	UFL_TXN0	
MC3	53	AC4	MGT_RXP3_227	67.635	J31-17	QSFP_2_RX1P	
MC3	54	AD6	MGT_TXP3_227	60.280	J31-6	QSFP_2_TX4P	
MC3	55	AC3	MGT_RXN3_227	67.612	J31-18	QSFP_2_RX1N	
MC3	56	AD5	MGT_TXN3_227	60.292	J31-5	QSFP_2_TX4N	
MC3	57	AD2	MGT_RXP2_227	68.423	J31-22	QSFP_2_RX2P	
MC3	58	AE4	MGT_TXP2_227	61.911	J31-33	QSFP_2_TX3P	
MC3	59	AD1	MGT_RXN2_227	68.420	J31-21	QSFP_2_RX2N	
MC3	60	AE3	MGT_TXN2_227	61.898	J31-34	QSFP_2_TX3N	
MC3	61	AF2	MGT_RXP1_227	68.974	J31-14	QSFP_2_RX3P	
MC3	62	AF6	MGT_TXP1_227	59.334	J31-3	QSFP_2_TX2P	
MC3	63	AF1	MGT_RXN1_227	68.962	J31-15	QSFP_2_RX3N	
MC3	64	AF5	MGT_TXN1_227	59.347	J31-2	QSFP_2_TX2N	
MC3	65	AG4	MGT_RXP0_227	66.119	J31-25	QSFP_2_RX4P	
MC3	66	AG8	MGT_TXP0_227	57.352	J31-36	QSFP_2_TX1P	
MC3	67	AG3	MGT_RXN0_227	66.162	J31-24	QSFP_2_RX4N	
MC3	68	AG7	MGT_TXN0_227	57.352	J31-37	QSFP_2_TX1N	
MC3	69	AH2	MGT_RXP3_226	67.989	J8-5		PORTE_RX0P
MC3	70	AH6	MGT_TXP3_226	58.938	J8-6		PORTE_TX0P
MC3	71	AH1	MGT_RXN3_226	68.006	J8-7		PORTE_RX0N
MC3	72	AH5	MGT_TXN3_226	58.938	J8-8		PORTE_TX0N
MC3	73	AJ4	MGT_RXP2_226	66.340	J8-9		PORTE_RX1P
MC3	74	AJ8	MGT_TXP2_226	56.552	J8-10		PORTE_TX1P
MC3	75	AJ3	MGT_RXN2_226	66.376	J8-11		PORTE_RX1N
MC3	76	AJ7	MGT_TXN2_226	56.531	J8-12		PORTE_TX1N
MC3	77	AK2	MGT_RXP1_226	67.974	J8-25		PORTE_RX3P
MC3	78	AK6	MGT_TXP1_226	58.295	J8-26		PORTE_TX3P
MC3	79	AK1	MGT_RXN1_226	67.969	J8-27		PORTE_RX3N

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC3	80	AK5	MGT_TXN1_226	58.272	J8-28		PORTE_TX3N
MC3	81	AL4	MGT_RXP0_226	63.764	J8-29		PORTE_RX2P
MC3	82	AL8	MGT_TXP0_226	54.003	J8-30		PORTE_TX2P
MC3	83	AL3	MGT_RXN0_226	63.765	J8-31		PORTE_RX2N
MC3	84	AL7	MGT_TXN0_226	54.007	J8-32		PORTE_TX2N
MC3	85	AH10	MGT_REFCLK0P_226_C	48.257 + 9.347	J8-13		PORTE_REFCLKP
MC3	86	AK10	MGT_REFCLK1P_225_C	47.966 + 2.308	J23-13		PORTF_REFCLKP
MC3	87	AH9	MGT_REFCLK0N_226_C	48.178 + 9.356	J8-15		PORTE_REFCLKN
MC3	88	AK9	MGT_REFCLK1N_225_C	47.863 + 2.318	J23-15		PORTF_REFCLKN
MC3	89	AM2	MGT_RXP3_225	65.435	J23-9		PORTF_RX1P
MC3	90	AM6	MGT_TXP3_225	55.234	J23-10		PORTF_TX1P
MC3	91	AM1	MGT_RXN3_225	65.434	J23-11		PORTF_RX1N
MC3	92	AM5	MGT_TXN3_225	55.233	J23-12		PORTF_TX1N
MC3	93	AN4	MGT_RXP2_225	62.907	J23-5		PORTF_RX0P
MC3	94	AN8	MGT_TXP2_225	53.041	J23-6		PORTF_TX0P
MC3	95	AN3	MGT_RXN2_225	62.913	J23-7		PORTF_RX0N
MC3	96	AN7	MGT_TXN2_225	53.035	J23-8		PORTF_TX0N
MC3	97	AP2	MGT_RXP1_225	64.818	J23-25		PORTF_RX3P
MC3	98	AP6	MGT_TXP1_225	54.960	J23-26		PORTF_TX3P
MC3	99	AP1	MGT_RXN1_225	64.799	J23-27		PORTF_RX3N
MC3	100	AP5	MGT_TXN1_225	54.957	J23-28		PORTF_TX3N
MC3	101	AR4	MGT_RXP0_225	63.089	J23-29		PORTF_RX2P
MC3	102	AR8	MGT_TXP0_225	52.856	J23-30		PORTF_TX2P
MC3	103	AR3	MGT_RXN0_225	63.081	J23-31		PORTF_RX2N
MC3	104	AR7	MGT_TXN0_225	52.942	J23-32		PORTF_TX2N
MC3	105	AT2	MGT_RXP3_224	65.120	J30-17	QSFP_1_RX1P	
MC3	106	AT6	MGT_TXP3_224	54.883	J30-6	QSFP_1_TX4P	
MC3	107	AT1	MGT_RXN3_224	65.071	J30-18	QSFP_1_RX1N	
MC3	108	AT5	MGT_TXN3_224	54.883	J30-5	QSFP_1_TX4N	
MC3	109	AU4	MGT_RXP2_224	63.533	J30-22	QSFP_1_RX2P	
MC3	110	AU8	MGT_TXP2_224	52.976	J30-33	QSFP_1_TX3P	
MC3	111	AU3	MGT_RXN2_224	63.534	J30-21	QSFP_1_RX2N	
MC3	112	AU7	MGT_TXN2_224	52.975	J30-34	QSFP_1_TX3N	
MC3	113	AV2	MGT_RXP1_224	65.712	J30-14	QSFP_1_RX3P	

Connector	Pin	FPGA Pin	Pin Description	PCB Length (mm)	BRK8350	BRK8350 Net	BRK8350 SZG
MC3	114	AV6	MGT_TXP1_224	55.145	J30-3	QSFP_1_TX2P	
MC3	115	AV1	MGT_RXN1_224	65.672	J30-15	QSFP_1_RX3N	
MC3	116	AV5	MGT_TXN1_224	55.169	J30-2	QSFP_1_TX2N	
MC3	117	AW4	MGT_RXP0_224	64.463	J30-25	QSFP_1_RX4P	
MC3	118	AW8	MGT_TXP0_224	53.299	J30-36	QSFP_1_TX1P	
MC3	119	AW3	MGT_RXN0_224	64.469	J30-24	QSFP_1_RX4N	
MC3	120	AW7	MGT_TXN0_224	53.298	J30-37	QSFP_1_TX1N	