

# Pin List: XEM6006

2020-09-29

Connector	Pin	FMC Name	FPGA Pin	FPGA Pin Description	Length (mm)
FMC	H4	CLK0_M2C_P	F2	L41P_GCLK27_3	47.505
FMC	H5	CLK0_M2C_N	F1	L41N_GCLK26_3	47.525
FMC	G2	CLK1_M2C_P	H4	L44P_GCLK21_3	48.952
FMC	G3	CLK1_M2C_N	H3	L44N_GCLK20_3	48.823
FMC	G6	LA_00_P_CC	E10	L37P_GCLK13_0	27.165
FMC	G7	LA_00_N_CC	C10	L37N_GCLK12_0	25.028
FMC	D8	LA_01_P_CC	E7	L36P_GCLK15_0	26.651
FMC	D9	LA_01_N_CC	E8	L36N_GCLK14_0	25.216
FMC	H7	LA_02_P	D11	L66P_0	32.795
FMC	H8	LA_02_N	D12	L66N_0	33.300
FMC	G9	LA_03_P	B14	L65P_0	18.890
FMC	G10	LA_03_N	A14	L65N_0	17.557
FMC	H10	LA_04_P	F10	L64P_0	26.544
FMC	H11	LA_04_N	E11	L64N_0	24.685
FMC	D11	LA_05_P	C13	L63P_0	15.087
FMC	D12	LA_05_N	A13	L63N_0	13.062
FMC	C10	LA_06_P	F9	L40P_0	20.535
FMC	C11	LA_06_N	D9	L40N_0	20.818
FMC	H13	LA_07_P	C11	L39P_0	21.140
FMC	H14	LA_07_N	A11	L39N_0	18.476
FMC	G12	LA_08_P	B10	L35P_GCLK17_0	18.451
FMC	G13	LA_08_N	A10	L35N_GCLK16_0	17.299
FMC	D14	LA_09_P	C9	L34P_GCLK19_0	16.120
FMC	D15	LA_09_N	A9	L34N_GCLK18_0	13.698
FMC	C14	LA_10_P	B8	L33P_0	12.777
FMC	C15	LA_10_N	A8	L33N_0	11.619
FMC	H16	LA_11_P	D6	L7P_0	22.390
FMC	H17	LA_11_N	C6	L7N_0	21.254
FMC	G15	LA_12_P	C7	L6P_0	19.171
FMC	G16	LA_12_N	A7	L6N_0	16.747
FMC	D17	LA_13_P	F7	L5P_0	18.679

Connector	Pin	FMC Name	FPGA Pin	FPGA Pin Description	Length (mm)
FMC	D18	LA_13_N	E6	L5N_0	17.696
FMC	C18	LA_14_P	B6	L4P_0	11.501
FMC	C19	LA_14_N	A6	L4N_0	10.166
FMC	H19	LA_15_P	D5	L3P_0	24.344
FMC	H20	LA_15_N	C5	L3N_0	22.113
FMC	G18	LA_16_P	B5	L2P_0	17.389
FMC	G19	LA_16_N	A5	L2N_0	16.237
FMC	D20	LA_17_P_CC	J6	L43P_GCLK23_3	22.184
FMC	D21	LA_17_N_CC	H5	L43N_GCLK22_3	20.911
FMC	C22	LA_18_P_CC	K3	L42P_GCLK25_3	21.341
FMC	C23	LA_18_N_CC	J4	L42N_GCLK24_3	21.307
FMC	H22	LA_19_P	E2	L46P_3	25.675
FMC	H23	LA_19_N	E1	L46N_3	25.267
FMC	G21	LA_20_P	K5	L47P_3	29.334
FMC	G22	LA_20_N	K6	L47N_3	27.619
FMC	H25	LA_21_P	H2	L39P_3	28.572
FMC	H26	LA_21_N	H1	L39N_3	27.982
FMC	G24	LA_22_P	G3	L40P_3	25.537
FMC	G25	LA_22_N	G1	L40N_3	23.948
FMC	D23	LA_23_P	F4	L53P_3	19.362
FMC	D24	LA_23_N	F3	L53N_3	18.772
FMC	H28	LA_24_P	K2	L37P_3	31.318
FMC	H29	LA_24_N	K1	L37N_3	30.729
FMC	G27	LA_25_P	J3	L38P_3	28.203
FMC	G28	LA_25_N	J1	L38N_3	26.604
FMC	D26	LA_26_P	C3	L48P_3	15.006
FMC	D27	LA_26_N	C2	L48N_3	15.037
FMC	C26	LA_27_P	B2	L52P_3	11.538
FMC	C27	LA_27_N	A2	L52N_3	10.302
FMC	H31	LA_28_P	C1	L50P_3	22.691
FMC	H32	LA_28_N	B1	L50N_3	21.361
FMC	G30	LA_29_P	G6	L51P_3	28.863
FMC	G31	LA_29_N	G5	L51N_3	29.542
FMC	H34	LA_30_P	D3	L49P_3	27.510

Connector	Pin	FMC Name	FPGA Pin	FPGA Pin Description	Length (mm)
FMC	H35	LA_30_N	D1	L49N_3	25.950
FMC	G33	LA_31_P	L4	L45P_3	33.472
FMC	G34	LA_31_N	L5	L45N_3	35.421
FMC	H37	LA_32_P	E4	L54P_3	31.766
FMC	H38	LA_32_N	E3	L54N_3	31.737
FMC	G36	LA_33_P	F6	L55P_3	31.015
FMC	G37	LA_33_N	F5	L55N_3	30.425
FMC	D4	GBTCLK0_M2C_P	N3	L34P_3	47.563
FMC	D5	GBTCLK0_M2C_N	N1	L34N_3	47.547
FMC	C6	DP0_M2C_P	M2	L35P_3	42.511
FMC	C7	DP0_M2C_N	M1	L35N_3	41.910
FMC	C2	DP0_C2M_P	L3	L36P_3	44.619
FMC	C3	DP0_C2M_N	L1	L36N_3	42.635
FMC	C35	12P0V			
FMC	C37	12P0V			
FMC	C39	3P3V			
FMC	D36	3P3V			
FMC	D38	3P3V			
FMC	D40	3P3V			
FMC	D32	3P3VAUX			
FMC	H40	VADJ			
FMC	G39	VADJ			
FMC	D2	GND			
FMC	D3	GND			
FMC	D6	GND			
FMC	D7	GND			
FMC	D10	GND			
FMC	D13	GND			
FMC	D16	GND			
FMC	D19	GND			
FMC	D22	GND			
FMC	D25	GND			
FMC	D28	GND			
FMC	D37	GND			

Connector	Pin	FMC Name	FPGA Pin	FPGA Pin Description	Length (mm)
FMC	D39	GND			
FMC	H3	GND			
FMC	H6	GND			
FMC	H9	GND			
FMC	H12	GND			
FMC	H15	GND			
FMC	H18	GND			
FMC	H21	GND			
FMC	H24	GND			
FMC	H27	GND			
FMC	H30	GND			
FMC	H33	GND			
FMC	H36	GND			
FMC	H39	GND			
FMC	C1	GND			
FMC	C4	GND			
FMC	C5	GND			
FMC	C8	GND			
FMC	C9	GND			
FMC	C12	GND			
FMC	C13	GND			
FMC	C16	GND			
FMC	C17	GND			
FMC	C20	GND			
FMC	C21	GND			
FMC	C24	GND			
FMC	C25	GND			
FMC	C28	GND			
FMC	C29	GND			
FMC	C32	GND			
FMC	C33	GND			
FMC	C36	GND			
FMC	C38	GND			
FMC	C40	GND			

Connector	Pin	FMC Name	FPGA Pin	FPGA Pin Description	Length (mm)
FMC	G1	GND			
FMC	G4	GND			
FMC	G5	GND			
FMC	G8	GND			
FMC	G11	GND			
FMC	G14	GND			
FMC	G17	GND			
FMC	G20	GND			
FMC	G23	GND			
FMC	G26	GND			
FMC	G29	GND			
FMC	G32	GND			
FMC	G35	GND			
FMC	G38	GND			
FMC	G40	GND			
FMC	H1	VREF_A_M2C		Bank 0 & 3 Vref	
FMC	D1	PG_C2M			
FMC	D34	TRST_L			
FMC	D29	TCK	C14	TCK	
FMC	D30	TDI	E14	TDO	
FMC	D31	TDO			
FMC	D33	TMS	A15	TMS	
FMC	C34	GA0			
FMC	D35	GA1			
FMC	C30	SCL	R9	L23P_2	
FMC	C31	SDA	T9	L23N_2	
FMC	H2	PRSNT_M2C_L			