

Proteus FMC Easy Reference

FMC Header P5

PIN NO. OF	Pin Description	Kintex-7 (XC7K160T) FBG676	PIN NO. OF	Pin Description	Kintex-7 (XC7K160T) FBG676	PIN NO. OF	Pin Description	Kintex-7 (XC7K160T) FBG676	PIN NO. OF	Pin Description	Kintex-7 (XC7K160T) FBG676	PIN NO. OF	Pin Description	Kintex-7 (XC7K160T) FBG676
A1	NA	GND	B1	IO L11P T1 SRCC 14	D23	C1	NA	GND	D1	IO L5P T0 D06_14	D26	E1	NA	GND
A2	MGTXRXP1_116	E4	B2	NA	GND	C2	MGTXRXP0_116	F2	D2	NA	GND	E2	IO L12P T1 MRCC 13	N21
A3	MGTXRXN1_116	E3	B3	NA	GND	C3	MGTXRXN0_116	F1	D3	NA	GND	E3	IO L12N T1 MRCC 13	N22
A4	NA	GND	B4	NC	NC	C4	NA	GND	D4	MGTFREFCLK1P_116	F6	E4	NA	GND
A5	NA	GND	B5	NC	NC	C5	NA	GND	D5	MGTFREFCLK1N_116	F5	E5	NA	GND
A6	MGTXRXP2_116	C4	B6	NA	GND	C6	MGTXRXP0_116	G4	D6	NA	GND	E6	IO L24P T3_13	R18
A7	MGTXRXN2_116	C3	B7	NA	GND	C7	MGTXRXN0_116	G3	D7	NA	GND	E7	IO L24N T3_13	P18
A8	NA	GND	B8	NC	NC	C8	NA	GND	D8	IO L12P T1 MRCC 12	Y23	E8	NA	GND
A9	NA	GND	B9	NC	NC	C9	NA	GND	D9	IO L12N T1 MRCC 12	AA24	E9	IO L22P T3_13	N18
A10	MGTXRXP3_116	B6	B10	NA	GND	C10	IO L10P T1_12	Y25	D10	NA	GND	E10	IO L22N T3_13	M19
A11	MGTXRXN3_116	B5	B11	NA	GND	C11	IO L10N T1_12	Y26	D11	IO L5P T0_12	W25	E11	NA	GND
A12	NA	GND	B12	MGTXRXP3_115	J4	C12	NA	GND	D12	IO L5N T0_12	W26	E12	IO L2P T0_12	U24
A13	NA	GND	B13	MGTXRXN3_115	J3	C13	NA	GND	D13	NA	GND	E13	IO L2N T0_12	U25
A14	MGTXRXP0_115	R4	B14	NA	GND	C14	IO L6P T0_12	V21	D14	IO L15P T2_D05_12	W20	E14	NA	GND
A15	MGTXRXN0_115	R3	B15	NA	GND	C15	IO L6N T0_VREF_12	W21	D15	IO L15N T2_D05_12	Y21	E15	IO L6P T0_13	R25
A16	NA	GND	B16	MGTXRXP2_115	L4	C16	NA	GND	D16	NA	GND	E16	IO L6N T0_VREF_13	P25
A17	NA	GND	B17	MGTXRXN2_115	L3	C17	NA	GND	D17	IO L19P T3_A22_15	K20	E17	NA	GND
A18	MGTXRXP1_115	N4	B18	NA	GND	C18	IO L20P T3_A20_15	J18	D18	IO L19N T3_A21_VREF_15	J20	E18	IO L3P T0_D05_13	M25
A19	MGTXRXN1_115	N3	B19	NA	GND	C19	IO L20N T3_A19_15	J19	D19	NA	GND	E19	IO L3N T0_D05_13	L25
A20	NA	GND	B20	MGTFREFCLK0P_115	H6	C20	NA	GND	D20	IO L13P T2_MRCC_15	E18	E20	NA	GND
A21	NA	GND	B21	MGTFREFCLK0N_115	H5	C21	NA	GND	D21	IO L13N T2_MRCC_15	D18	E21	NC	NC
A22	MGTXRXP1_116	D2	B22	NA	GND	C22	IO L12P T1_MRCC_AD5P_15	F17	D22	NA	GND	E22	NC	NC
A23	MGTXRXN1_116	D1	B23	NA	GND	C23	IO L12N T1_MRCC_AD5N_15	E17	D23	IO L5P T0_AD2P_15	C17	E23	NA	GND
A24	NA	GND	B24	NC	NC	C24	NA	GND	D24	IO L5N T0_AD2N_15	C18	E24	NC	NC
A25	NA	GND	B25	NC	NC	C25	NA	GND	D25	NA	GND	E25	NC	NC
A26	MGTXRXP2_116	B2	B26	NA	GND	C26	IO L8P T1_AD3P_15	G15	D26	IO L9P T1_D05_AD11P_15	J15	E26	NA	GND
A27	MGTXRXN2_116	B1	B27	NA	GND	C27	IO L8N T1_AD3N_15	F15	D27	IO L9N T1_D05_AD11N_15	J16	E27	NC	NC
A28	NA	GND	B28	NC	NC	C28	NA	GND	D28	NA	GND	E28	NC	NC
A29	NA	GND	B29	NC	NC	C29	NA	GND	D29	TCK_0	L8	E29	NA	GND
A30	MGTXRXP3_116	A4	B30	NA	GND	C30	IO L10P T1_D14_14	C21	D30	TDO_0	R7	E30	NC	NC
A31	MGTXRXN3_116	A3	B31	NA	GND	C31	IO L10N T1_D15_14	B21	D31	TDI_0	R6	E31	NC	NC
A32	NA	GND	B32	MGTXRXP3_115	H2	C32	NA	GND	D32	NA	VCC3V3	E32	NA	GND
A33	NA	GND	B33	MGTXRXN3_115	H1	C33	NA	GND	D33	TMS_0	N8	E33	NC	NC
A34	MGTXRXP0_115	P2	B34	NA	GND	C34	GA0	GND	D34	NC	NC	E34	NC	NC
A35	MGTXRXN0_115	P1	B35	NA	GND	C35	NA	VCC12V0	D35	GA1	GND	E35	NA	GND
A36	NA	GND	B36	MGTXRXP2_115	K2	C36	NA	GND	D36	NA	VCC3V3	E36	NC	NC
A37	NA	GND	B37	MGTXRXN2_115	K1	C37	NA	VCC12V0	D37	NA	GND	E37	NC	NC
A38	MGTXRXP1_115	M2	B38	NA	GND	C38	NA	GND	D38	NA	VCC3V3	E38	NA	GND
A39	MGTXRXN1_115	M1	B39	NA	GND	C39	NA	VCC3V3	D39	NA	GND	E39	NA	VCCVADJ
A40	NA	GND	B40	NC	NC	C40	NA	GND	D40	NA	VCC3V3	E40	NA	GND

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F1	IO L17N T2_A13_D29_14	E26	G1	NA	GND	H1	NC	NC	J1	NA	GND	K1	NC	NC
F2	NA	GND	G2	IO L14P T2_SRCC_12	AC23	H2	IO L3N T0_D05_EMCCLK_14	B26	J2	IO L13P T2_MRCC_13	R21	K2	NA	GND
F3	NA	GND	G3	IO L14N T2_SRCC_12	AC24	H3	NA	GND	J3	IO L13N T2_MRCC_13	P21	K3	NA	GND
F4	IO L11P T1_SRCC_13	P23	G4	NA	GND	H4	IO L13P T2_MRCC_12	Y22	J4	NA	GND	K4	IO L14P T2_SRCC_13	R22
F5	IO L11N T1_SRCC_13	N23	G5	NA	GND	H5	IO L13N T2_MRCC_12	AA22	J5	NA	GND	K5	IO L14N T2_SRCC_13	R23
F6	NA	GND	G6	IO L11P T1_SRCC_12	AA23	H6	NA	GND	J6	IO L16P T2_12	AD23	K6	NA	GND
F7	IO L7P T1_13	M19	G7	IO L11N T1_SRCC_12	AB24	H7	IO L21P T3_D05_12	AD26	J7	IO L16N T2_12	AD24	K7	IO L17P T2_12	AB22
F8	IO L7N T1_13	M20	G8	NA	GND	H8	IO L21N T3_D05_12	AE26	J8	NA	GND	K8	IO L17N T2_12	AC22
F9	NA	GND	G9	IO L7P T1_12	AA25	H9	NA	GND	J9	IO L21P T3_D05_13	R16	K9	NA	GND
F10	IO L18P T2_13	U19	G10	IO L7N T1_12	AB25	H10	IO L23P T3_12	AD25	J10	IO L21N T3_D05_13	R17	K10	IO L20P T3_13	P16
F11	IO L18N T2_13	U20	G11	NA	GND	H11	IO L23N T3_12	AE25	J11	NA	GND	K11	IO L20N T3_13	N17
F12	NA	GND	G12	IO L4P T0_12	U26	H12	NA	GND	J12	IO L9P T1_D05_13	P19	K12	NA	GND
F13	IO L15P T2_D05_13	T24	G13	IO L4N T0_12	V26	H13	IO L3P T0_D05_12	V23	J13	IO L9N T1_D05_13	P20	K13	IO L16P T2_13	T20
F14	IO L15N T2_D05_13	T25	G14	NA	GND	H14	IO L3N T0_D05_12	V24	J14	NA	GND	K14	IO L16N T2_13	R20
F15	NA	GND	G15	IO L23P T3_F0E_B_15	M17	H15	NA	GND	J15	IO L2P T0_13	R26	K15	NA	GND
F16	IO L4P T0_13	P24	G16	IO L23N T3_FWE_B_15	L18	H16	IO L21P T3_D05_15	L19	J16	IO L2N T0_13	P26	K16	IO L10P T1_13	M21
F17	IO L4N T0_13	N24	G17	NA	GND	H17	IO L21N T3_D05_A18_15	L20	J17	NA	GND	K17	IO L10N T1_13	M22
F18	NA	GND	G18	IO L19P T3_13	T18	H18	NA	GND	J18	IO L5P T0_13	N26	K18	NA	GND
F19	IO L1P T0_13	K25	G19	IO L19N T3_VREF_13	T19	H19	IO L23P T3_13	U17	J19	IO L5N T0_13	M26	K19	IO L8P T1_13	M24
F20	IO L1N T0_13	K26	G20	NA	GND	H20	IO L23N T3_13	T17	J20	NA	GND	K20	IO L8N T1_13	L24
F21	NA	GND	G21	IO L22P T3_A17_15	K16	H21	NA	GND	J21	IO L17P T2_13	T22	K21	NA	GND
F22	NC	NC	G22	IO L22N T3_A16_15	K17	H22	IO L7P T1_AD10P_15	H16	J22	IO L17N T2_13	T23	K22	IO L1P T0_12	U22
F23	NC	NC	G23	NA	GND	H23	IO L7N T1_AD10N_15	G16	J23	NA	GND	K23	IO L1N T0_12	V22
F24	NA	GND	G24	IO L4P T0_AD9P_15	C19	H24	NA	GND	J24	NC	NC	K24	NA	GND
F25	NC	NC	G25	IO L4N T0_AD9N_15	B19	H25	IO L15P T2_D05_15	D19	J25	NC	NC	K25	NC	NC
F26	NC	NC	G26	NA	GND	H26	IO L15N T2_D05_ADV_B_15	D20	J26	NA	GND	K26	NC	NC
F27	NA	GND	G27	IO L17P T2_A26_15	F19	H27	NA	GND	J27	NC	NC	K27	NA	GND
F28	NC	NC	G28	IO L17N T2_A25_15	E20	H28	IO L6P T0_15	D15	J28	NC	NC	K28	NC	NC
F29	NC	NC	G29	NA	GND	H29	IO L6N T0_VREF_15	D16	J29	NA	GND	K29	NC	NC
F30	NA	GND	G30	IO L10P T1_AD4P_15	E15	H30	NA	GND	J30	NC	NC	K30	NC	GND
F31	NC	NC	G31	IO L10N T1_AD4N_15	E16	H31	IO L11P T1_SRCC_AD12P_15	G17	J31	NC	NC	K31	NC	NC
F32	NC	NC	G32	NA	GND	H32	IO L11N T1_SRCC_AD12N_15	F18	J32	NA	GND	K32	NC	NC
F33	NA	GND	G33	IO L16P T2_A28_15	G19	H33	NA	GND	J33	NC	NC	K33	NA	GND
F34	NC	NC	G34	IO L16N T2_A27_15	F20	H34	IO L14P T2_SRCC_15	H17	J34	NC	NC	K34	NC	NC
F35	NC	NC	G35	NA	GND	H35	IO L14N T2_SRCC_15	H18	J35	NA	GND	K35	NC	NC
F36	NA	GND	G36	IO L24P T3_RS1_15	L17	H36	NA	GND	J36	NC	NC	K36	NA	GND
F37	NC	NC	G37	IO L24N T3_RS0_15	K18	H37	IO L18P T2_A24_15	H19	J37	NC	NC	K37	NC	NC
F38	NC	NC	G38	NA	GND	H38	IO L18N T2_A23_15	G20	J38	NA	GND	K38	NC	NC
F39	NA	GND	G39	NA	VCCVADJ	H39	NA	GND	J39	NC	NC	K39	NA	GND
F40	NA	VCCVADJ	G40	NA	GND	H40	NA	VCCVADJ	J40	NA	GND	K40	NC	NC