

Callisto K7 GPIO Easy Reference

Header P1

PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)
A1	VIN	EXT_VCC	B1	VIN	EXT_VCC	C1	VIN	EXT_VCC	D1	VIN	EXT_VCC	E1	VIN	EXT_VCC	F1	VIN	EXT_VCC
A2	GND	GND	B2	GND	GND	C2	GND	GND	D2	GND	GND	E2	GND	GND	F2	GND	GND
A3	GND	GND	B3	IO_L24P_T3_A01_D17_14	K23	C3	IO_L24N_T3_A00_D16_14	J23	D3	GND	GND	E3	IO_L22P_T3_A05_D21_14	J24	F3	IO_L22N_T3_A04_D20_14	J25
A4	IO_L21P_T3_D05_14	J21	B4	IO_L21N_T3_D05_A06_D22_14	H22	C4	GND	GND	D4	IO_L23P_T3_A03_D19_14	L22	E4	IO_L23N_T3_A02_D18_14	K22	F4	GND	GND
A5	GND	GND	B5	IO_L17P_T3_A14_D30_14	F25	C5	IO_L17N_T2_A13_D29_14	E26	D5	GND	GND	E5	IO_L20P_T3_A08_D24_14	H23	F5	IO_L20N_T3_A07_D23_14	H24
A6	IO_L14P_T2_SRCC_14	G24	B6	IO_L14N_T2_SRCC_14	F24	C6	GND	GND	D6	IO_L18P_T2_A12_D28_14	J26	E6	IO_L18N_T2_A11_D27_14	H26	F6	GND	GND
A7	GND	GND	B7	IO_L13P_T2_MRCC_14	G22	C7	IO_L13N_T2_MRCC_14	F23	D7	GND	GND	E7	IO_L16P_T2_CSI_B_14	G25	F7	IO_L16N_T2_A15_D31_14	G26
A8	IO_L5P_T0_D06_14	D26	B8	IO_L5N_T0_D07_14	C26	C8	GND	GND	D8	IO_L19P_T3_A10_D26_14	H21	E8	IO_L19N_T3_A09_D25_VREF_14	G21	F8	GND	GND
A9	GND	GND	B9	IO_L11P_T1_SRCC_14	D23	C9	IO_L11N_T1_SRCC_14	D24	D9	GND	GND	E9	IO_L15P_T2_D05_ROWWR_B_14	E25	F9	IO_L15N_T2_D05_DOUT_CSO_B_14	D25
A10	IO_L7P_T1_D09_14	D21	B10	IO_L7N_T1_D10_14	C22	C10	GND	GND	D10	IO_L9P_T1_D05_14	E21	E10	IO_L9N_T1_D05_D13_14	F22	F10	GND	GND
A11	GND	GND	B11	IO_L10P_T1_D14_14	C21	C11	IO_L10N_T1_D15_14	GND	D11	GND	GND	E11	IO_L4P_T0_D04_14	A23	F11	IO_L4N_T0_D05_14	A24
A12	IO_0_15	K15	B12	IO_25_15	M16	C12	GND	GND	D12	IO_L8P_T1_D11_14	B20	E12	IO_L8N_T1_D12_14	A20	F12	GND	GND
A13	GND	GND	B13	IO_L1P_T0_ADP0P_15	C16	C13	IO_L1N_T0_ADP0N_15	B16	D13	GND	GND	E13	IO_L5P_T0_ADP2P_15	C17	F13	IO_L5N_T0_ADP2N_15	C18
A14	IO_L3P_T0_D05_ADP1P_15	B17	B14	IO_L3N_T0_D05_ADP1N_15	A17	C14	GND	GND	D14	IO_L4P_T0_ADP9P_15	C19	E14	IO_L4N_T0_ADP9N_15	B19	F14	GND	GND
A15	GND	GND	B15	IO_L7P_T1_ADP10P_15	H16	C15	IO_L7N_T1_ADP10N_15	G16	D15	GND	GND	E15	IO_L2P_T0_ADP8P_15	A18	F15	IO_L2N_T0_ADP8N_15	A19
A16	IO_L8P_T1_ADP3P_15	G15	B16	IO_L8N_T1_ADP3N_15	F15	C16	GND	GND	D16	IO_L9P_T1_D05_ADP1P_15	J15	E16	IO_L9N_T1_D05_ADP11N_15	B16	F16	IO_L13N_T2_MRCC_15	F18
A17	GND	GND	B17	IO_L6P_T0_15	D15	C17	IO_L6N_T0_VREF_15	D16	D17	GND	GND	E17	IO_L13P_T2_MRCC_15	F18	F17	GND	GND
A18	IO_L10P_T1_ADP4P_15	E15	B18	IO_L10N_T1_ADP4N_15	E16	C18	GND	GND	D18	IO_L12P_T1_MRCC_ADP5P_15	F17	E18	IO_L12N_T1_MRCC_ADP5N_15	E17	F18	GND	GND
A19	GND	GND	B19	IO_L11P_T1_SRCC_ADP12P_15	G17	C19	IO_L11N_T1_SRCC_ADP12N_15	F18	D19	GND	GND	E19	IO_L17P_T2_A26_15	F19	F19	IO_L17N_T2_A25_15	E20
A20	IO_L14P_T2_SRCC_15	H17	B20	IO_L14N_T2_SRCC_15	H18	C20	GND	GND	D20	IO_L16P_T2_A28_15	G19	E20	IO_L16N_T2_A27_15	F20	F20	GND	GND
A21	GND	GND	B21	IO_L15P_T2_D05_15	D19	C21	IO_L15N_T2_D05_ADV_B_15	D20	D21	GND	GND	E21	IO_L21P_T3_D05_15	L19	F21	IO_L21N_T3_D05_A18_15	L20
A22	IO_L18P_T2_A24_15	H19	B22	IO_L18N_T2_A23_15	G20	C22	GND	GND	D22	IO_L20P_T3_A20_15	J18	E22	IO_L20N_T3_A19_15	I19	F22	GND	GND
A23	GND	GND	B23	IO_L19P_T3_A22_15	K20	C23	GND	GND	D23	GND	GND	E23	IO_L23P_T3_F0E_B_15	M17	F23	IO_L23N_T3_FWE_B_15	L18
A24	IO_L22P_T3_A17_15	K16	B24	IO_L22N_T3_A16_15	K17	C24	GND	GND	D24	IO_L24P_T3_R51_15	L17	E24	IO_L24N_T3_R50_15	K18	F24	GND	GND
A25	GND	GND	B25	IO_0_16	J8	C25	IO_25_16	J14	D25	GND	GND	E25	IO_L23P_T3_16	B15	F25	IO_L23N_T3_16	A15
A26	IO_L21P_T3_D05_16	B14	B26	IO_L15N_T3_D05_16	A14	C26	GND	GND	D26	IO_L15P_T2_D05_16	F14	E26	IO_L15N_T2_D05_16	F13	F26	GND	GND
A27	GND	GND	B27	IO_L19P_T3_16	C14	C27	IO_L19N_T3_VREF_16	C13	D27	GND	GND	E27	IO_L16P_T2_16	G12	F27	IO_L16N_T2_16	F12
A28	IO_L24P_T3_16	A13	B28	IO_L24N_T3_16	C12	C28	GND	GND	D28	IO_L18P_T2_16	E13	E28	IO_L18N_T2_16	F12	F28	GND	GND
A29	GND	GND	B29	IO_L17P_T2_16	D14	C29	IO_L17N_T2_16	D13	D29	GND	GND	E29	IO_L11P_T1_SRCC_16	G11	F29	IO_L11N_T1_SRCC_16	F10
A30	IO_L20P_T3_16	B12	B30	IO_L20N_T3_16	B11	C30	GND	GND	D30	IO_L14P_T2_SRCC_16	E11	E30	IO_L14N_T2_SRCC_16	D11	F30	GND	GND
A31	GND	GND	B31	IO_L22P_T3_16	B10	C31	IO_L22N_T3_16	A10	D31	GND	GND	E31	IO_L2P_T0_16	G10	F31	IO_L2N_T0_16	G9
A32	IO_L9P_T1_D05_16	A9	B32	IO_L9N_T1_D05_16	A8	C32	GND	GND	D32	IO_L1P_T0_16	H9	E32	IO_L1N_T0_16	H8	F32	GND	GND
A33	GND	GND	B33	IO_L12P_T1_MRCC_16	C12	C33	IO_L12N_T1_MRCC_16	C11	D33	IO_L10N_T1_16	H9	E33	IO_L10N_T2_SRCC_12	AC24	F33	IO_L10N_T0_16	H14
A34	IO_L13P_T2_MRCC_16	C12	B34	IO_L13N_T2_MRCC_16	C11	C34	GND	GND	D34	IO_L3P_T0_D05_16	J13	E34	IO_L3N_T0_D05_16	H13	F34	GND	GND
A35	GND	GND	B35	IO_L8P_T1_16	D9	C35	IO_L8N_T1_16	D8	D35	GND	GND	E35	IO_L6P_T0_16	H12	F35	IO_L6N_T0_VREF_16	H11
A36	IO_L12P_T1_MRCC_16	E10	B36	IO_L12N_T1_MRCC_16	D10	C36	GND	GND	D36	IO_L4P_T0_16	J11	E36	IO_L4N_T0_16	J10	F36	GND	GND
A37	GND	GND	B37	IO_L7P_T1_16	F9	C37	IO_L7N_T1_16	F8	D37	GND	GND	E37	NC	NC	F37	NC	NC
A38	NC	NC	B38	NC	C38	GND	GND	D38	NC	NC	E38	NC	NC	F38	NC	GND	GND
A39	GND	GND	B39	GND	C39	GND	GND	D39	GND	GND	E39	GND	GND	F39	GND	GND	GND
A40	VADJ_B12	VADJ_B12	B40	VADJ_B15	VADJ_B15	C40	VADJ_B16	VADJ_B16	D40	VADJ_B32	VADJ_B32	E40	VBATT	VBATT	F40	VCC3V3	VCC3V3

Header P2

PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)	PIN NO. OI	Pin Description	Kintex 7 (XC7K410T-1FBG676)
A1	IO_L2P_T0_12	U24	B1	IO_L2N_T0_12	U25	C1	GND	GND	D1	IO_0_12	U21	E1	IO_25_12	Y20	F1	GND	GND
A2	GND	GND	B2	IO_L3P_T0_12	C12	C2	IO_L3N_T0_12	V22	D2	GND	GND	E2	IO_L3P_T0_D05_12	V23	F2	IO_L3N_T0_D05_12	V24
A3	IO_L4P_T0_12	U26	B3	IO_L4N_T0_12	V26	C3	GND	GND	D3	IO_L6P_T0_12	V21	E3	IO_L6N_T0_VREF_12	W21	F3	GND	GND
A4	GND	GND	B4	IO_L5P_T0_12	W25	C4	IO_L5N_T0_12	W26	D4	GND	GND	E4	IO_L7P_T1_12	AA25	F4	IO_L7N_T1_12	AA25
A5	IO_L8P_T1_12	W23	B5	IO_L8N_T1_12	W24	C5	GND	GND	D5	IO_L10P_T1_12	Y25	E5	IO_L10N_T1_12	Y26	F5	GND	GND
A6	GND	GND	B6	IO_L9P_T1_D05_12	AB26	C6	IO_L9N_T1_D05_12	AC26	D6	GND	GND	E6	IO_L11P_T1_SRCC_12	AA23	F6	IO_L11N_T1_SRCC_12	AA24
A7	IO_L12P_T1_MRCC_12	V23	B7	IO_L12N_T1_MRCC_12	AA24	C7	GND	GND	D7	IO_L14P_T2_SRCC_12	AC23	E7	IO_L14N_T2_SRCC_12	AC24	F7	GND	GND
A8	GND	GND	B8	IO_L13P_T2_MRCC_12	Y22	C8	IO_L13N_T2_MRCC_12	AA22	D8	GND	GND	E8	IO_L15P_T2_D05_12	W20	F8	IO_L15N_T2_D05_12	Y21
A9	IO_L16P_T2_12	AD23	B9	IO_L16N_T2_12	AD24	C9	GND	GND	D9	IO_L18P_T2_12	AB21	E9	IO_L18N_T2_12	AC21	F9	GND	GND
A10	GND	GND	B10	IO_L17P_T2_12	AD22	C10	IO_L17N_T2_12	AC22	D10	GND	GND	E10	IO_L19P_T3_12	AD21	F10	IO_L19N_T3_VREF_12	AE21
A11	IO_L20P_T3_12	AF24	B11	IO_L20N_T3_12	AF25	C11	GND	GND	D11	IO_L22P_T3_12	AE23	E11	IO_L22N_T3_12	AF23	F11	GND	GND
A12	GND	GND	B12	IO_L21P_T3_D05_12	AD26	C12	IO_L21N_T3_D05_12	AE26	D12	GND	GND	E12	IO_L23P_T3_12	AD25	F12	IO_L23N_T3_12	AE25
A13	IO_L24P_T3_12	AE22	B13	IO_L24N_T3_12	AF22	C13	GND	GND	D13	IO_0_VRN_32	V13	E13	IO_25_VRP_32	W13	F13	GND	GND
A14	GND	GND	B14	IO_L1P_T0_32	AE17	C14	IO_L1N_T0_32	AF17	D14	GND	GND	E14	IO_L11P_T1_SRCC_32	AA17	F14	IO_L11N_T1_SRCC_32	AA18
A15	IO_L2P_T0_32	AF14	B15	IO_L2N_T0_32	AF15	C15	GND	GND	D15	IO_L4P_T0_32	AD15	E15	IO_L4N_T0_32	AE15	F15	GND	GND
A16	GND	GND	B16	IO_L3P_T0_D05_32	AE18	C16	IO_L3N_T0_D05_32	AF18	D16	GND	GND	E16	IO_L12P_T1_MRCC_32	AB16	F16	IO_L12N_T1_MRCC_32	AC16
A17	IO_L5P_T0_32	AF19	B17	IO_L5N_T0_32	AF20	C17	GND	GND	D17	IO_L7P_T1_32	AA14	E17	IO_L7N_T1_32	AA15	F17	GND	GND
A18	GND	GND	B18	IO_L6P_T0_32	AD16	C18	IO_L6N_T0_VREF_32	AE16	D18	GND	GND	E18	IO_L13P_T2_MRCC_32	AC18	F18	IO_L13N_T2_MRCC_32	AD18
A19	IO_L8P_T1_32	AC14	B19	IO_L8N_T1_32	AD14	C19	GND	GND	D19	IO_L10P_T1_32	AB14	E19	IO_L10N_T1_32	AE15	F19	GND	GND
A20	GND	GND	B20	IO_L9P_T1_D05_32	Y15	C20	IO_L9N_T1_D05_32	Y16	D20	GND	GND	E20	IO_L14P_T2_SRCC_32	AB17	F20	IO_L14N_T2_SRCC_32	AC17
A21	IO_L15P_T2_D05_32	AD20	B21	IO_L15N_T2_D05_32	AE20	C21	GND	GND	D21	IO_L17P_T2_32	AC19	E21	IO_L17N_T2_32	AD19	F21	GND	GND
A22	GND	GND	B22	IO_L16P_T2_32	AA19	C22	IO_L16N_T2_32	AA20	D22	GND	GND	E22	IO_L18P_T2_32	AB19	F22	IO_L18N_T2_32	AB20
A23	IO_L19P_T3_32	Y17	B23	IO_L19N_T3_VREF_32	Y18	C23	GND	GND	D23	IO_L21P_T3_D05_32	W18	E23	IO_L21N_T3_D05_32	W19	F23	GND	GND
A24	GND	GND	B24	IO_L20P_T3_32	V16	C24	IO_L20N_T3_32	V17	D24	GND	GND	E24	IO_L23P_T3_32	W15	F24	IO_L	