

Skoll GPIO Easy Reference

HEADER P4

Pin	Kintex-7(FB)	Pin Description	Pin	Kintex-7(FB)	Pin Description	Pin	Kintex-7(FB)	Pin Description	Pin	Kintex-7(FB)	Pin Description
1	GND	NA	2	3V3	NA	3	VCCIN	NA	4	GND	NA
5	K22	IO_L16N_T2_A15_D31_14	6	K21	IO_L16P_T2_CSI_B_14	7	M18	IO_L14N_T2_SRCC_14	8	M17	IO_L14P_T2_SRCC_14
9	J22	IO_L10N_T1_D15_14	10	J21	IO_L10P_T1_D14_14	11	L20	IO_L12N_T1_MRCC_14	12	L19	IO_L11P_T1_SRCC_14
13	H20	IO_L11P_T1_SRCC_14	14	J20	IO_L11P_T1_SRCC_14	15	G22	IO_L8N_T1_D12_14	16	H22	IO_L8P_T1_D11_14
17	E22	IO_L7N_T1_D10_14	18	E21	IO_L7P_T1_D09_14	19	F21	IO_L9N_T1_DQ5_D13_14	20	G21	IO_L9P_T1_DQ5_14
21	F20	IO_L4N_T0_D05_14	22	G20	IO_L4P_T0_D04_14	23	D22	IO_L23N_T3_FWE_B_15	24	D21	IO_L23P_T3_FOE_B_15
25	B21	IO_L24N_T3_R50_15	26	B20	IO_L24P_T3_R51_15	27	B22	IO_L21N_T3_DQ5_A18_15	28	C22	IO_L21P_T3_DQ5_15
29	A21	IO_L22N_T3_A16_15	30	A20	IO_L22P_T3_A17_15	31	F13	IO_L8N_T1_16	32	G13	IO_L8P_T1_16
33	G16	IO_L1N_T0_AD0N_15	34	G15	IO_L1P_T0_AD0P_15	35	K19	IO_L5N_T0_D07_14	36	L18	IO_L5P_T0_D06_14
37	D20	IO_L18N_T2_A23_15	38	D19	IO_L18P_T2_A24_15	39	G12	IO_L14N_T2_SRCC_16	40	H12	IO_L14P_T2_SRCC_16
41	C20	IO_L19N_T3_A21_VREF_15	42	C19	IO_L19P_T3_A22_15	43	E18	IO_L13N_T2_MRCC_15	44	E17	IO_L13P_T2_MRCC_15
45	D17	IO_L14N_T2_SRCC_15	46	E16	IO_L14P_T2_SRCC_15	47	D16	IO_L11N_T1_SRCC_AD12N_15	48	D15	IO_L11P_T1_SRCC_AD12P_15
49	GND	NA	50	GND	NA	51	GND	NA	52	GND	NA
53	D14	IO_L6N_T0_VREF_15	54	E14	IO_L6P_T0_15	55	E12	IO_L10N_T1_16	56	E13	IO_L10P_T1_16
57	A18	IO_L10N_T1_AD4N_15	58	B17	IO_L10P_T1_AD4P_15	59	A19	IO_L20N_T3_A19_15	60	B18	IO_L20P_T3_A20_15
61	A16	IO_L8N_T1_AD3N_15	62	B16	IO_L8P_T1_AD3P_15	63	C18	IO_L12N_T1_MRCC_AD5N_15	64	C17	IO_L12P_T1_MRCC_AD5P_15
65	A15	IO_L9N_T1_DQ5_AD11N_15	66	B15	IO_L9P_T1_DQ5_AD11P_15	67	C15	IO_L7N_T1_AD10N_15	68	C14	IO_L7P_T1_AD10P_15
69	A14	IO_L4N_T0_AD9N_15	70	A13	IO_L4P_T0_AD9P_15	71	B13	IO_L5N_T0_AD2N_15	72	C13	IO_L5P_T0_AD2P_15
73	B12	IO_L2N_T0_AD8N_15	74	C12	IO_L2P_T0_AD8P_15	75	F10	IO_L11N_T1_SRCC_16	76	F11	IO_L11P_T1_SRCC_16
77	B10	IO_L20N_T3_16	78	B11	IO_L20P_T3_16	79	C10	IO_L7N_T1_16	80	D10	IO_L7P_T1_16
81	A10	IO_L23N_T3_16	82	A11	IO_L23P_T3_16	83	C9	IO_L19N_T3_VREF_16	84	D9	IO_L19P_T3_16
85	A8	IO_L21N_T3_DQ5_16	86	A9	IO_L21P_T3_DQ5_16	87	B8	IO_L22N_T3_16	88	C8	IO_L22P_T3_16
89	GND	NA	90	GND	NA	91	GND	NA	92	GND	NA
93	3V3	NA	94	3V3	NA	95	3V3	NA	96	3V3	NA

HEADER P5

Pin	Kintex-7(FB)	Pin Description	Pin	Kintex-7(FB)	Pin Description	Pin	Kintex-7(FB)	Pin Description	Pin	Kintex-7(FB)	Pin Description
1	FTDI-26/48	ACBUS0*/BCBUS0**	2	FTDI-27/52	ACBUS1/BCBUS1	3	3V3	NA	4	GND	NA
5	FTDI-28/53	ACBUS2/BCBUS2	6	FTDI-29/54	ACBUS3/BCBUS3	7	N20	IO_L17P_T2_A14_D30_14	8	M21	IO_L17N_T2_A13_D29_14
9	FTDI-30/55	ACBUS4/BCBUS4	10	FTDI-32/54	ACBUS5/BCBUS5	11	N22	IO_L15P_T2_DQ5_RDWR_B_14	12	M22	IO_L15N_T2_DQ5_DOUT_CSO_B_14
13	FTDI-33/57	ACBUS6/BCBUS6	14	FTDI-34/58	ACBUS7/BCBUS7	15	M20	IO_L18P_T2_A12_D28_14	16	L21	IO_L18N_T2_A11_D27_14
17	N18	IO_L13P_T2_MRCC_14	18	N19	IO_L13N_T2_MRCC_14	19	P19	IO_L20P_T3_A08_D24_14	20	P20	IO_L20N_T3_A07_D23_14
21	R18	IO_L19P_T3_A10_D26_14	22	R19	IO_L19N_T3_A09_D25_VREF_14	23	P21	IO_L22P_T3_A05_D21_14	24	P22	IO_L22N_T3_A04_D20_14
25	T18	IO_L3P_T0_DQ5_13	26	U18	IO_L3N_T0_DQ5_13	27	R21	IO_L24P_T3_A01_D17_14	28	R22	IO_L24N_T3_A00_D16_14
29	V19	IO_L12P_T1_MRCC_13	30	W19	IO_L12N_T1_MRCC_13	31	T20	IO_L6P_T0_13	32	U20	IO_L6N_T0_VREF_13
33	AA21	IO_L9P_T1_DQ5_13	34	AB22	IO_L9N_T1_DQ5_13	35	U17	IO_L5P_T0_13	36	V18	IO_L5N_T0_13
37	AA18	IO_L15P_T2_DQ5_13	38	AB18	IO_L15N_T2_DQ5_13	39	AA20	IO_L8P_T1_13	40	AB21	IO_L8N_T1_13
41	P16	IO_L23P_T3_A03_D19_14	42	N17	IO_L23N_T3_A02_D18_14	43	AA19	IO_L10P_T1_13	44	AB20	IO_L10N_T1_13
45	GND	NA	46	GND	NA	47	GND	NA	48	GND	NA
49	GND	NA	50	GND	NA	51	GND	NA	52	GND	NA
53	R17	IO_L21P_T3_DQ5_14	54	P17	IO_L21N_T3_DQ5_A06_D22_14	55	V20	IO_L11P_T1_SRCC_13	56	W20	IO_L11N_T1_SRCC_13
57	Y18	IO_L13P_T2_MRCC_13	58	Y19	IO_L13N_T2_MRCC_13	59	AA16	IO_L17P_T2_13	60	AB17	IO_L17N_T2_13
61	W17	IO_L14P_T2_SRCC_13	62	Y17	IO_L14N_T2_SRCC_13	63	R16	IO_L20P_T3_13	64	T16	IO_L20N_T3_13
65	AB15	IO_L16P_T2_13	66	AB16	IO_L16N_T2_13	67	T15	IO_L24P_T3_13	68	U15	IO_L24N_T3_13
69	W14	IO_L22P_T3_13	70	Y14	IO_L22N_T3_13	71	J16	IO_L16P_T2_A28_15	72	J17	IO_L16N_T2_A27_15
73	H14	IO_L9P_T1_DQ5_16	74	H13	IO_L9N_T1_DQ5_16	75	AA14	IO_L18P_T2_13	76	AA15	IO_L18N_T2_13
77	G11	IO_L13P_T2_MRCC_16	78	G10	IO_L13N_T2_MRCC_16	79	H9	IO_L16P_T2_16	80	H8	IO_L16N_T2_16
81	F9	IO_L15P_T2_DQ5_16	82	E9	IO_L15N_T2_DQ5_16	83	U16	IO_L19P_T3_13	84	V17	IO_L19N_T3_VREF_13
85	G8	IO_L17P_T2_16	86	F8	IO_L17N_T2_16	87	V15	IO_L23P_T3_13	88	W15	IO_L23N_T3_13
89	INIT_B	INIT_B_0	90	3V3	NA	91	PROG_B	PROGRAM_B_0	92	3V3	NA
93	GND	NA	94	GND	NA	95	GND	NA	96	GND	NA

*Revision V1: ACBUS0 – ACBUS7 are pins of FTDI FT2232H Dual-Channel USB device.

**Revision V2: BCBUS0 – BCBUS7 are pins of FTDI FT2232H Dual-Channel USB device.