



U6
XC6SLX25-FT256

ADC

AD_DOUT H5	IO_L43N_GCLK22_IRDY2_M3CASN_3
AD_DIN H4	IO_L44P_GCLK21_M3A5_3
AD_CS F6	IO_L55P_M3A13_3
AD_SCLK G6	IO_L51P_M3A10_3

DIP Switch

SW4	L5	IO_L45N_M3ODT_3
SW3	L4	IO_L45P_M3A3_3
SW2	L3	IO_L36P_M3DQ8_3
SW1	L1	IO_L36N_M3DQ9_3

micro SD Card

SD_CLK	L12	IO_L53P_1
SD_CD/DAT3	K12	IO_L42P_GCLK7_M1UDM_1
SD_DAT0	M10	IO_L16N_VREF_2
SD_DAT1	L10	IO_L16P_2
SD_DAT2	J11	IO_L40P_GCLK11_M1A5_1
SD_CMD	K11	IO_L42N_GCLK6 TRDY1_M1LDM_1

LEDs

<u>LED1</u>	<u>P11</u>	IO_L13N_D10_2
<u>LED2</u>	<u>N9</u>	IO_L14P_D11_2
<u>LED4</u>	<u>M9</u>	IO_L29P_GCLK3_2
<u>LED3</u>	<u>P9</u>	IO_L14N_D12_2
<u>LED8</u>	<u>T8</u>	IO_L30N_GCLK0_USERCCLK_2
<u>LED5</u>	<u>N8</u>	IO_L29N_GCLK2_2
<u>LED7</u>	<u>P8</u>	IO_L30P_GCLK1_D13_2
<u>LED6</u>	<u>P7</u>	IO_L31P_GCLK31_D14_2

POWER & GROUND

GND	A1	GND@19	3V3	D2	VCCO_3@3	1V2	G7	VCCINT@5
GND	T1	GND@22	3V3	J2	VCCO_3@4	1V2	J7	VCCINT@1
GND	G2	GND@18	3V3	N2	VCCO_3@5	1V2	H8	VCCINT@4
GND	L2	GND@20	3V3	B4	VCCO_0@2	1V2	K8	VCCINT@2
GND	P3	GND@24	3V3	G4	VCCO_3@2	1V2	G9	VCCINT@3
GND	D4	GND@12	3V3	K4	VCCO_3@1	1V2	J9	VCCINT@8
GND	J5	GND@16	3V3	R4	VCCO_2@3	1V2	H10	VCCINT@6
GND	R6	GND@13	3V3	E5	VCCAUX@1	1V2	K10	VCCINT@7
GND	B7	GND@5	3V3	H6	VCCAUX@7			
GND	H7	GND@14	3V3	L6	VCCAUX@8			
GND	K7	GND@3	3V3	D7	VCCO_0@5			
GND	G8	GND@15	3V3	N7	VCCO_2@1			
GND	J8	GND@9	3V3	F8	VCCAUX@5			
GND	M8	GND@25	3V3	R8	VCCO_2@4			
GND	E9	GND@11	3V3	B9	VCCO_0@1			
GND	H9	GND@23	3V3	L9	VCCAUX@4			
GND	K9	GND@17	3V3	D10	VCCO_0@3			
GND	R10	GND@6	3V3	G10	VCCAUX@6			
GND	B11	GND@8	3V3	J10	VCCAUX@3			
GND	H12	GND@7	3V3	N10	VCCO_2@2			
GND	D13	GND@26	3V3	F11	VCCAUX@2			
GND	N13	GND@21	3V3	B13	VCCO_0@4			
GND	G15	GND@1	3V3	G13	VCCO_1@2			
GND	L15	GND@2	3V3	K13	VCCO_1@1			
GND	A16	GND@10	3V3	R13	VCCO_1@6			
GND	T16	GND@4	3V3	D15	VCCO_1@4			
			3V3	J15	VCCO_1@5			
			3V3	N15	VCCO_1@3			

CONFIG

REBOOT	T2	PROGRAM_B_2
FPGA-INIT#	R3	IO_L65P_INIT_B_2
FPGA-DONE	P13	DONE_2
	T11	IO_L1N_M0_CMPMISO_2
3V3	N11	IO_L13P_M1_2
GND	C4	IO_L1P_FSWAPEN_0
GND	P14	SUSPEND

JTAG

TCK	<u>C14</u>	TCK
TMS	<u>A15</u>	TMS
TDI	<u>C12</u>	TDI
TDO	<u>E14</u>	TDO

FLASH

FLASH-CS#	T3	IO_L65N_CS0_B_2
FPGA-CCLK	R11	IO_L1P_CCLK_2
FPGA-MOSI	T10	IO_L3N_MOSI_CSI_B_MISO0_2
FPGA-MISO	P10	IO_L3P_D0_DIN_MISO_MISO1_2

GPIOs

PORTA0 E7	IO_L36P_GCLK15_0	PORTB0 E11	IO_L64N_SCP4_0	PORTC0 J13	IO_L41P_GCLK9_IRDY1_M1RASN_1
PORTA1 C8	IO_L38N_VREF_0	PORTB1 D14	IO_L31P_A19_M1CKE_1	PORTC1 J12	IO_L40N_GCLK10_M1A6_1
PORTA2 D8	IO_L38P_0	PORTB2 D12	IO_L66N_SCP0_0	PORTC2 K14	IO_L41N_GCLK8_M1CASN_1
PORTA3 E8	IO_L36N_GCLK14_0	PORTB3 E12	IO_L11N_A24_VREF_1	PORTC3 L14	IO_L47P_FWE_B_M1DQ0_1
PORTA4 D9	IO_L40N_0	PORTB4 E13	IO_L1P_A25_1	PORTC4 L13	IO_L53N_VREF_1
PORTA5 A10	IO_L35N_GCLK16_0	PORTB5 F13	IO_L32P_A17_M1A8_1	PORTC5 M14	IO_L74N_DOUT_BUSY_1
PORTA6 B10	IO_L35P_GCLK17_0	PORTB6 F12	IO_L30P_A21_M1RESET_1	PORTC6 M13	IO_L74P_AWAKE_1
PORTA7 C10	IO_L37N_GCLK12_0	PORTB7 F14	IO_L32N_A16_M1A9_1	PORTC7 N14	IO_L45P_A1_M1LDQS_1
PORTA8 E10	IO_L37P_GCLK13_0	PORTB8 G12	IO_L38P_A5_M1CLK_1	PORTC8 N12	IO_L2P_CMPCLK_3
PORTA9 F9	IO_L40P_0	PORTB9 G14	IO_L36P_A9_M1BA0_1	PORTC9 M12	IO_L12P_D1_MISO0_2
PORTA10 F10	IO_L64P_SCP5_0	PORTB10 H14	IO_L39N_M1ODT_1	PORTC10 P12	IO_L12N_D2_MISO3_2
PORTA11 D11	IO_L66P_SCP1_0	PORTB11 J14	IO_L43P_GCLK5_M1DQ4_1	PORTC11 M11	IO_L2N_CMPMOSI_2
PORTD0 D6	IO_L7P_0	PORTE0 D5	IO_L3P_0	PORTF0 E2	IO_L46P_M3CLK_3
PORTD1 C6	IO_L7N_0	PORTE1 A4	IO_L1N_VREF_0	PORTF1 E1	IO_L46N_M3CLKN_3
PORTD2 E6	IO_L5N_0	PORTE2 G5	IO_L51N_M3A4_3	PORTF2 E4	IO_L54P_M3RESET_3
PORTD3 C5	IO_L3N_0	PORTE3 A3	IO_L83N_VREF_3	PORTF3 F4	IO_L53P_M3CKE_3
		PORTE4 B3	IO_L83P_3	PORTF4 F5	IO_L55N_M3A14_3
		PORTE5 A2	IO_L52N_M3A9_3	PORTF5 G3	IO_L40P_M3DQ6_3
		PORTE6 B2	IO_L52P_M3A8_3	PORTF6 F3	IO_L53N_M3A12_3
		PORTE7 C3	IO_L48P_M3BA0_3	PORTF7 G1	IO_L40N_M3DQ7_3
		PORTE8 C2	IO_L48N_M3BA1_3	PORTF8 H3	IO_L44N_GCLK20_M3A6_3
		PORTE9 D3	IO_L49P_M3A7_3	PORTF9 H1	IO_L39N_M3LDQSN_3
		PORTF0 D1	IO_L49N_M3A2_3	PORTF10 H2	IO_L39P_M3LDQS_3
		PORTF11 E3	IO_L54N_M3A11_3	PORTF11 J1	IO_L38N_M3DQ3_3

Not Used

<u>H13</u>	IO_L39P_M1A3_1	<u>J3</u>	IO_L38P_M3DQ2_3
<u>H11</u>	IO_L38N_A4_M1CLKN_1	<u>L8</u>	IO_L62P_D5_2
<u>G11</u>	IO_L30N_A20_M1A11_1	<u>L7</u>	IO_L62N_D6_2
		<u>J6</u>	IO_L43P_GCLK23_M3RASN_3
<u>F7</u>	IO_L5P_0	<u>K5</u>	IO_L47P_M3A0_3
<u>F1</u>	IO_L41N_GCLK26_M3DQ5_3	<u>M5</u>	IO_L2P_3
		<u>M4</u>	IO_L1P_3
<u>L11</u>	CMPCS_B_2	<u>K6</u>	IO_L47N_M3A1_3
<u>F2</u>	IO_L41P_GCLK27_M3DQ4_3	<u>P6</u>	IO_L47P_2
<u>K2</u>	IO_L37P_M3DQ0_3	<u>N4</u>	IO_L2N_3
		<u>K1</u>	IO_L37N_M3DQ1_3

SDRAM

	IO_L35P_A11_M1A7_1	F15	UDQM
	IO_L36N_A8_M1BA1_1	G16	SDRAM-CLK
	IO_L37N_A6_M1A1_1	H16	CKE
	IO_L37P_A7_M1A0_1	H15	A12
		J16	A11
IO_L43N_GCLK4_M1DQ5_1		K16	A9
IO_L44N_A2_M1DQ7_1		K15	A8
IO_L44P_A3_M1DQ6_1		L16	A7
IO_L47N_LDC_M1DQ1_1		M16	A6
IO_L46N_FOE_B_M1DQ3_1		M15	A5
IO_L46P_FCS_B_M1DQ2_1		N16	A4
IO_L45N_A0_M1TLDQSN_1		P16	A3
IO_L48N_M1DQ9_1		P15	A2
IO_L48P_HDC_M1DQ8_1		R16	A1
IO_L49N_M1DQ11_1		T15	A0
IO_L50N_M1UDQSN_1		R15	A10
IO_L49P_M1DQ10_1		T14	BS1
IO_L51P_M1DQ12_1		R14	BS0
IO_L50P_M1UDQS_1		R1	SDRAM-CS#
IO_L32N_M3DQ15_3		R2	RAS#
IO_L32P_M3DQ14_3		T4	CAS#
IO_L63N_2		R5	WE#
IO_L48P_D7_2		T5	LDQM
IO_L48N_RDWR_B_VREF_2		C15	D15
IO_L33P_A15_M1A10_1		C16	D14
IO_L33N_A14_M1A4_1		B15	D13
IO_L29P_A23_M1A13_1		B16	D12
IO_L29N_A22_M1A14_1		D16	D11
IO_L31N_A18_M1A12_1		E16	D10
IO_L34N_A12_M1BA2_1		E15	D9
IO_L34P_A13_M1WE_1		F16	D8
IO_L35N_A10_M1A2_1		T6	D7
IO_L47N_2		R7	D6
IO_L32P_GCLK29_2		T7	D5
IO_L32N_GCLK28_2		R9	D4
IO_L23P_2		T9	D3
IO_L23N_2		R12	D2
IO_L52P_M1DQ14_1		T12	D1
IO_L52N_M1DQ15_1		T13	D0
IO_L51N_M1DQ13_1			

FTDI

FTDI_D0	M7	IO_L31N_GCLK30_D15_2
FTDI_D1	N6	IO_L64N_D9_2
FTDI_D2	M6	IO_L64P_D8_2
FTDI_D3	P5	IO_L49N_D4_2
FTDI_D4	N5	IO_L49P_D3_2
FTDI_D5	P4	IO_L63P_2
FTDI_D6	P2	IO_L33P_M3DQ12_3
FTDI_D7	P1	IO_L33N_M3DQ13_3
FTDI_RXF	N3	IO_L34P_M3UDQS_3
FTDI_TXF	N1	IO_L34N_M3UDQSN_3
FTDI_SIWUUA	M3	IO_L1N_VREF_3
FTDI_WR	M2	IO_L35P_M3DQ10_3
FTDI_RD	M1	IO_L35N_M3DQ11_3

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