

Comment	Description	Designator	Footprint	LibRef	Quantity
waveshare_logo			WS_symbol_XXL	waveshare_logo	1
ADC	Header, 10-Pin	ADC.P1	SIP10_LyingMoth	Header 10	1
Header 10X2		ADC IO1	SIP10_LyingMoth erX2	Header 10X2	1
10uH		AVcc.Ind1	RES	IND	1
104	Capacitor	C1, C3, C4, C5	0603	C_0805	4
10uF	Capacitor	C2	ws_3225_1	C_0805	1
Cap	Capacitor	C6, C7, C8, C9, C10, C11	0603	Cap	6
I2C+PWM	Header, 7-Pin	I2C+PWM	SIP7_LyingMother	Header 7	1
ISP 6PIN		ISP 1	ISP_6	ISP 6PIN	1
ISP 10PIN	ISP 10PIN	ISP 2	ISP_10	ISP 10PIN	1
5V	Header, 4-Pin	J1	SIP4	Header 4	1
3.3V	Header, 4-Pin	J2	SIP4	Header 4	1
GND	Header, 4-Pin	J3	SIP4	Header 4	1
Header 5X2	Header, 5-Pin, Dual row	JOYSTICK.P1	HDR2X5	Header 5X2	1
JTAG		JTAG1	ISP_10	JTAG	1
CON3	Connector	JUMP1	SIP3	CON3	1
Header 4X2	Header, 4-Pin, Dual row	KEY.P1	HDR2X4	Header 4X2	1
PB2		Key1, Key2, Key3, Key4	KEY	KEY	4
LED_0805		L1, L2, L3, L4, L5, L6, L7, L8, POW LED1	0805_LED	LED_0805	9
Header 3X2	Header, 3-Pin, Dual row	LCD.P1	HDR2X3	Header 3X2	1
RES_ADJ		LCD.R1	RESADJ	RES_ADJ	1
Header 20X2	Header, 20-Pin, Dual row	LCD1	LCD22	Header 20X2	1
LED JMP	Header, 8-Pin, Dual row	LEDJMP.P1	HDR2X8	Header 8X2	1
ONE_LINE	Header, 3-Pin	ONE.LINE.P1	SIP3	Header 3	1
Header 3H	Header, 3-Pin, Right Angle	P1	HDR1X3	Header 3H	1
Header 8X2	Header, 8-Pin, Dual row	P2, P3, P4, P5	DIP8X2	Header 8X2	4
PS2	Header, 6-Pin	P6	PS2	Header 6	1
5V	Power5	Power1	PWR_5V	Power5	1
Header 2X2	Header, 2-Pin, Dual row	PS1	HDR2X2	Header 2X2	1
switch		PWR.S1	SWITCH2-1	switch2-1	1
330	Resistor	PWRLED.R1	0603	R_0805	1
R_0603	Resistor	R1, R2, R3, R4, R5, R6, R7, R8	0603	R_0603	8
		RESET1	KEY	KEY	1
Joystick		S1	Joystick2	Joystick	1
SP2+T	Header, 10-Pin	SPI.P1	SIP10_LyingMoth	Header 10	1
LD1117		U1	SOT-223	LD1117	1
ATmega128		U2	TQFP64	ATmega128	1
USART0	Header, 8-Pin	USART0.P1	SIP8_LyingMother	Header 8	1
USART1+ICP1	Header, 5-Pin	USART1.P1	SIP5_LyingMother	Header 5	1
32.768K	CRYSTAL	X1	CRYSTAL3	XTAL2	1
XTAL	Crystal Oscillator	Y1	CRYSTAL1	XTAL	1
XTAL	Crystal Oscillator	Y2	CRYSTAL2	XTAL	1