

Comment	Description	Designator	Footprint	LibRef	Quantity
array 10k			Array 9	array 10k	1
Cap	Capacitor	C1, C2, C3, C4, C5,	SMD_805	Cap	38
Cap2	Capacitor	C13, C15, C17, C27	C_B	Cap2	4
Cap	Capacitor	C30	C_CYL_SMD2	Cap	1
Cap	Capacitor	C31	C_CYL_SMD	Cap	1
Cap Pol2	Polarized Capacitor	C44, C50, C52, C66	C_B	Cap Pol2	4
Cap Semi	Capacitor (Semicond	C45, C46, C47, C48,	SMD_805	Cap Semi	28
LED0	Typical INFRARED Ga	D1, D2, D3, D4, D6, D	SMD_805	LED0	6
Diode 1N4001	1 Amp General Purpose	D5	TVS	Diode 1N4001	1
Diode 10TQ045	Schottky Rectifier	D8	1N5822	Diode 10TQ045	1
Inductor	Inductor	F1, F2, F3, F4, F5	SMD_805	Inductor	5
D Connector 9	Receptacle Assembly	J2	COM_3d	D Connector 9	1
Inductor	Inductor	L1	INDUC_SMD	Inductor	1
LCD		LCD1	LCD2x16_3d	LCD	1
OSC_SMD		OSC1	OSC_SMD	Component_1	1
P		P2	H5	Component_1	1
Header 9X2	Header, 9-Pin, Dual	P3	HDR2X9	Header 9X2	1
Header 2	Header, 2-Pin	P4	ADAP_JACK	Header 2	1
Header 5X2H	Header, 5-Pin, Dual	P5	BOX2x5_3D	Header 5X2H	1
Header 15X2	Header, 15-Pin, Dual	P6, P7	HDR2X15	Header 15X2	2
Res1	Resistor	R1, R2, R3, R4, R5, R	SMD_805	Res1	46
RPot	Potentiometer	R30	VR5	RPot	1
SW DIP-8	DIP Switch, 8 Positio	S1	ARRAY_KEY8	SW DIP-8	1
SW-PB	Switch	S2, S3, S4, S5	RES_B	SW-PB	4
SW-SPST	Single-Pole, Single-T	S6	KEY1	SW-SPST	1
SW-PB	Switch	S7, S9	SPST-2	SW-PB	2
SW-SPST	Single-Pole, Single-T	S8	SPST-2	SW-SPST	1
FT232RL		U1	SOP28	FT232RL	1
IS61LV25616AL		U2	SOP44	IS61LV25616AL	1
XC3S400-4PQ208C	Spartan-3 1.2V FPGA	U3	XC3S400_PQ208	XC3S400-4PQ208C	1
LD1117DT33	LD1117DT33	U4, U5, U6, U7	SOT223	Component_1	4
STM32F103RBT6	STM32 ARM-based 3	U8	PQFP64	STM32F103RBT6	1
FT232HL-Reel	Dual High Speed USB	U9	LQFP64	FT232HL-Reel	1
LM2576HVT-5.0	SIMPLE SWITCHER; 1	U10	LM2576_SMD	LM2576HVT-5.0	1
93LC46A-E/SN	1K, 128x8-bit, 2.5V	U11	SOIC127P600X175-8	93LC46A-E/SN	1
XCF025V020C	XCF00S Series, Platf	U12	XCF02S	XCF025V020C	1
24CS12		U13	SOP8	24CS12	1
MAX3232CPE	3.0V TO 5.5V, Low-P	U14	SOP16	MAX3232CPE	1
MICRO_USB		USB1, USB2	MINI_USB_NEW	MICRO_USB	2
Connector 15	Receptacle Assembly	VGA1	VGA_PORT	Connector 15	1
14.7456 MHz	Crystal Oscillator	Y1	BC557	XTAL	1
12 MHz	Crystal Oscillator	Y2	XTAL_SMD	XTAL	1