

Comment	Description	Designator	Footprint	LibRef	Quantity
LM1117MP-5.0/NOPB, Low Dropout Voltage Regulator, 1.5A, 5 V ±1%, 4-Pin SOT-223	LM1117MP-5.0/NOPB, Low Dropout Voltage Regulator, 1.5A, 5 V ±1%, 4-Pin SOT-223	5v VR	SOT230P700X180-4N	LM1117MP-5.0	1
C0805C180J5GACTU	18pF Ceramic Multilayer Capacitor, 50 V dc COG Dielectric ±5% SMD	C1, C2	CAPCP2012X09N	18pF Ceramic Multilayer Capacitor, 50 V dc COG Dielectric ±5% SMD	2
Capacitor SMT Tantalum	Capacitor,tantalum,SM T,16V,4.7uF,10%,A-case	C3, C8	CASE A - 3216X18	4.7uF Tant RS 496-3545	2
100nF Ceramic Multilayer Capacitor_1	AVX 0805 Standard 100nF Ceramic Multilayer Capacitor, 50 V dc X7R Dielectric ±10% SMD	C4, C5, C6, C7, C9	CAPCP2012X09N	100nF Ceramic Multilayer Capacitor_1	5
(power)Kingbright Blue LED, 60 mcd 120 ° 0805	Kingbright Blue LED, 60 mcd 120 ° 0805	D1	LED1913X12NBLUE	Kingbright Blue LED, 60 mcd 120 ° 0805	1
(D13 led) Kingbright Orange LED, 200 mcd 120 ° 0805	Kingbright Orange LED, 200 mcd 120 ° 0805	D2	LED1913X12NYEL/ ORANGE	Kingbright Orange LED, 200 mcd 120 ° 0805	1
Panasonic DB2J20900L Schottky Diode, 0.5A, 20V, 2.4ns, 2-Pin SMini2 F5 B	Panasonic DB2J20900L Schottky Diode, 0.5A, 20V, 2.4ns, 2-Pin SMini2 F5 B	D3	DIOM1712X07N	Schottky Diode, 0.5A, 20V, 2.4ns, 2-Pin SMini2 F5 B	1
(TX)Kingbright Red LED, 100 mcd 120 ° 0805	Kingbright Red LED, 100 mcd 120 ° 0805	D4	LED1913X12NRED	Kingbright Red LED, 100 mcd 120 ° 0805	1
(RX)Kingbright Green LED, 70 mcd 120 ° 0805	Kingbright Green LED, 70 mcd 120 ° 0805	D5	LED1913X12NGREEN	Kingbright Green LED, 70 mcd 120 ° 0805	1
Programming Headers Dual Row	Programming Headers Dual Row	ICSP	ISP HEADER	Programming ISP, Programming Headers Dual Row	1
Aker 16MHz Crystal SMT	Aker SSC SMT Crystal	oscilator	Aker SSC Crystal	Aker C55-16.000-12-3030-X	1
connector:str header;single row;;1 cont centers;.095 tail;gold or gbx;36 contact	connector:str header;single row;;1 cont centers;.095 tail;gold or gbx;36 contact	PH1, PH2	Header	Single row; PCB headers	2
330 (regulator)	Chip Resistor, 0 Ohm, +/- 5%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R1	RESC1608X55X25NL10 T15	CMP-2100-03667-1	1
1k	Chip Resistor, 0 Ohm, +/- 5%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R2, R3, R4, R6, R7	RESC1608X55X25NL10 T15	CMP-2100-03667-1	5
330	Chip Resistor, 0 Ohm, +/- 5%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R5	RESC1608X55X25NL10 T15	CMP-2100-03667-1	1
Button Tactile Switch, NO 0.05 A 0.8mm	Button Tactile Switch, NO 0.05 A 0.8mm	Switch	Button8014X17N	Button Tactile Switch, NO 0.05 A 0.8mm	1
ATMEGA328P-AU	ATMEGA328P-AU, 8 bit AVR Microcontroller 20MHz 1 kB, 32 kB Flash, 2 kB RAM, 12C 32-Pin TQFP	U1	TQFP80P900X900X120-32N	ATMEGA328P-AU	1
NewMolex Right Angle SMT Female Type B Micro USB Connector, 30 V ac, 1.8A	NewMolex Right Angle SMT Female Type B Micro USB Connector, 30 V ac, 1.8A	USB Conn	MicroUSB	Micro USB Connector, 30 V ac, 1.8A	1
FT232RL, Universal Asynchronous Receiver & Transmitter 3MBd, 28-Pin, SSOP	FT232RL, Universal Asynchronous Receiver & Transmitter 3MBd, 28-Pin, SSOP	USB Conv	SOP65P780X200-28N	FT232RL USB to UART, Universal Asynchronous Receiver & Transmitter 3MBd, 28-Pin, SSOP	1