

Reference	Quantity	4x Quantity	Value	Footprint
C1 C4 C5 C8 C11 C12 C14 C15	8	32	100n	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C13	1	4	470u Elko	Capacitor_SMD:CP_Elec_10x10.5
C16	1	4	3,3n	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C2	1	4	10u Elko	Capacitor_SMD:CP_Elec_4x4.5
C3	1	4	22u Elko	Capacitor_SMD:CP_Elec_4x4.5
C6 C7	2	8	22p	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
C9 C10	2	8	47u Elko	Capacitor_SMD:CP_Elec_5x5.4
D1 D2 D3 D4 D5 D6 D7 D8	8	32	D	Diode_SMD:D_SMB_Handsoldering
IC1	1	4	MCP2562FDT-H_SN	Package_DIP:DIP-8_W7.62mm_Socket_LongPads
IC2	1	4	DSPIC33EP512GP502-I_SP	Package_DIP:DIP-28_W7.62mm_Socket_LongPads
IC3	1	4	L298P	L298:SOIC127P1420X360-21N
IC4	1	4	L297D	L297:SOIC127P1032X265-20N
J1 J3	2	8	Conn_01x02	Connector_Molex:Molex_KK-254_AE-6410-02A_1x02_P2.54mm_Vertical
J2 J4	2	8	Conn_01x02	TerminalBlock_Phoenix_MKDS-3-2-5.08_1x02_P5.08mm_Horizontal
J5 J6	2	8	GND	Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Vertical
J8	1	4	Conn_01x05	Connector_PinHeader_2.54mm:PinHeader_1x05_P2.54mm_Vertical
J9	1	4	Conn_01x04	TerminalBlock_Phoenix_MKDS-3-4-5.08_1x04_P5.08mm_Horizontal
R1	1	4	1M	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R3	1	4	470	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R4 R6	2	8	500m	Resistor_SMD:R_2512_6332Metric_Pad1.40x3.35mm_HandSolder
R2 R5	2	8	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
R7	1	4	22k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder
RV10k1	1	4	R_POT	Potentiometer_THT:Potentiometer_Bourns_3296W_Vertical
SW1	1	4	SW_DIP_x02	SW_DIP_SPSTx02_Piano_10.8x6.64mm_W7.62mm_P2.54mm
U1	1	4	VXO 7803-500	Converter_DCDC:Converter_DCDC_RECOM_R-78E-0.5_THT
Y1	1	4	8 MHz	Crystal:Crystal_HC49-4H_Vertical