

Ref	Qty	Value	Cmp name	Footprint	Description	Vendor
A1,	1	Arduino_Nano_v3.x	Arduino_Nano_v3.x	Module:Arduino_Nano	Arduino Nano v3.x	
C1,	1	10uF	CP	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Polarized capacitor	
C2,	1	0.1uF	C	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Unpolarized capacitor	
C3,	1	100pF	C	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	Unpolarized capacitor	
J1,	1	USB_B	USB_B	Connector_USB:USB_B_OST_USB-B1HSxx_Horizontal	USB Type B connector	
J2,	1	Conn_01x04	Conn_01x04	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	Generic connector, single row, 01x04, script generated (kicad-library-utils/schlib/autogen/connector,	
J3,	1	Barrel_Jack_Switch	Barrel_Jack_Switch	Connector_BarrelJack:BarrelJack_Horizontal	DC Barrel Jack with an internal switch	
J4,	1	Conn_01x02	Conn_01x02	Connector_JST:JST_XH_B2B-XH-A_1x02_P2.50mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector,	
J5, J6,	2	Conn_01x02	Conn_01x02	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Generic connector, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector,	
J8,	1	Conn_01x03	Conn_01x03	Connector_JST:JST_XH_B3B-XH-A_1x03_P2.50mm_Vertical	Generic connector, single row, 01x03, script generated (kicad-library-utils/schlib/autogen/connector,	
JP1,	1	Jumper	Jumper	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical	Jumper, normally closed	
Q1,	1	MJD122	TIP122	Package_TO_SOT_SMD:TO-252-2	5A Ic, 100V Vce, Silicon Darlington Power NPN Transistor, TO-220	
R1, R2, R3, R4,	4	4k7	R	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	Resistor	
R5,	1	10k	R	Resistor_SMD:R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	Resistor	
U1,	1	MCP4725A0T-ECH	MCP4725xxx-xCH	Package_TO_SOT_SMD:SOT-23-6	12-bit Digital-to-Analog Converter, integrated EEPROM, I2C interface, SOT-23-6	
U2,	1	LM358	LM358	Package_SO:SO-8_3.9x4.9mm_P1.27mm	Low-Power, Dual Operational Amplifiers, DIP-8/SOIC-8/TO-99-8	
U3,	1	MP1584ModuleDcDc	MP1584ModuleDcDc	ELFlatPanel:MP1584_DCDC_Module		