

Designator	Package	Quantity	Designation	Mouser #	Other Supplier
R1,R2,R3,R4	1/4W 1% resistor	4	100k	603-MFR-25FBF52-100K	
R5-8, R14-21	1/4W 1% resistor	12	1k	603-MFR-25FBF52-1K	
R9,R10,R11,R12,R13	1/4W 1% resistor	5	180R	603-MFR-25FBF52-180R	
D1	SOD81 diode, Schottky	1	1N5817	511-1N5817	
D3-10	SOD27 diode, Schottky	8	1N5711	511-1N5711	
U1 Socket	DIP-14	3		649-DILB14P-223TLF	
C3,C2	7.5mm x 2.5mm, 5mm pitch, disc or box, ceramic or poly capacitor	2	100n	75-MKT1817410015W	
U2	8V 100mA Voltage Regulator, TO-92 package	1	78L08	595-UA78L08ACLPE3	
SW1	2-position toggle switch, Body Size: 13 x 8 x 10mm (L*W*H)	1	Regular/Irregular	506-A101SYAB04	
SW4	Rotary Encoder, Alps, EC11E with Switch, Vertical, Height of shaft+thread 20mm	1	RotaryEncoder_Switch	688-EC11E18244AU	
InternalClock1	RV09 9mm Vertical Linear Potentiometer	1	100k	317-2090F-100K	
J2-9	Thonkiconn 3.5mm Mono Jack	8	GateOut1-4, Clock, Reset, Left, Right		<a href="https://www.thonk.co.uk/shop/thonkiconn/">https://www.thonk.co.uk/shop/thonkiconn/</a>
D2, D10-D33	LED, D3.0mm, Red	24	LED1-20, GO1-4		<a href="https://uk.rs-online.com/web/p/leds/2285916">https://uk.rs-online.com/web/p/leds/2285916</a>
SW2, SW3	6mm momentary push switch	2	Reset, Channel Select	706-95C06D4RAT	
J1	2x05 Vertical Pin Header, 2.54mm pitch	1	Power	649-68602-110HLF	
C1	Radial 5.0mm diameter, 2.5mm pitch, polarised capacitor, 35V or more	1	10u	667-ECA-2AM100I	
A1	Arduino_Nano	1	Arduino_Nano_v3.x		<a href="https://store.arduino.cc/collections/core-family/products/arduino-nano">https://store.arduino.cc/collections/core-family/products/arduino-nano</a>
A1 Socket	1x15 Pin Header Socket / Female Pin Header, 2.54mm pitch	2	Sockets for Arduino	992-15FX1-254MM	
U1	Quad single-supply op amp	1	LM324	595-LM324N	
SW4 Knob	MF-A01 style knob with grub screw	1			Search MF-A01 on eBay or AliExpress / in UK buy from <a href="https://www.switchelectronics.co.uk/mf-a01-black-control-knob-6mm-shaft-19-5mm">https://www.switchelectronics.co.uk/mf-a01-black-control-knob-6mm-shaft-19-5mm</a>