





























Designator	Package	Quantity	Designation	PCB Symbol	Appearance	Mouser #	Other Supplier
R1-26, R29-30	1/4W 1% resistor	28	1k			603-MFR-25FBF52-1K	
R27,R28	1/4W 1% resistor	2	100k			603-MFR-25FBF52-100K	
D1	SOD81 diode, Schottky	1	1N5817			511-1N5817	
D2,D3,D4,D5	SOD27 diode, Schottky	4	1N5711			511-1N5711	
U1,U3,U4 Sockets	DIP-14	3				649-DILB14P-223TLF	
C2,C3,C4,C5	7.5mm x 2.5mm, 5mm pitch, disc or box, ceramic or poly capacitor	4	100n			75-MKT1817410015W	
U2	8V 100mA Voltage Regulator, TO-92 package	1	78L08			595-UA78L08ACLP E3	
J2-15	Thonkiconn 3.5mm Mono Jack	14	Clk, Rst, DIV_2-64, TIMES_2-64				https://www.thonkiconn.co.uk/shop/thonkiconn/
SW1	2-position toggle switch, Body Size: 13 x 8 x 10mm (L*W*H)	1	Bin/Base			506-A101SYAB04	
D6-19	LED, D3.0mm, Red	14	LED			941-C4SMARGYCS4V1BB1	https://uk.rs-online.com/web/p/leds/2285916
SW2	6mm momentary push switch	1	Reset			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			992-ARD-NANO30	https://store.arduino.cc/collections/core-family/products/arduino-nano
A1 Socket	1x15 Pin Header Socket / Female Pin Header, 2.54mm pitch	2	Sockets for Arduino			992-15FX1-254MM	
U1,U3,U4	Quad single-supply op amp	3	LM324			595-LM324N	