

Id	Designator	Package	Quantity	Designation	Supplier and ref
1	A1	Arduino_Nano_2x_header	1	Arduino_Nano	
2	J16,J18,J17,J15	PinHeader_1x14_P2.54mm_Vertical	4	PinHeader_1x14_P2.54mm_Vertical	2x male, 2x female
3	R51,R58,R16,R15,R14,R29,R66,R65,R64,R63,R62,R61,R60,R59,R57,R56,R55,R54,R53,R52,R21,R20,R19,R13	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	24	1k	1/4w
4	J14,J13,J12,J11,J10,J9,J8,J7,J6,J4,J3,J2,J1	Jack_6.35mm_AMPHENOL_ACJS-MN-5	13	AudioJack	
5	D8,D7,D6,D16,D15,D14,D13,D12,D11,D10,D9,D5	LED_D5.0mm	12	LED	
6	RV2	Potentiometer_Alpha_9mm_single_gang	1	B100k	alpha 9mm pot
7	R34	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	1	4k7	1/4w
8	R28	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	1	220k	1/4w
9	C12,C14,C13,C3,C1	C_Disc_D6.0mm_W2.5mm_P5.00mm	5	100nF	
10	C9	C_Disc_D14.5mm_W5.0mm_P7.50mm	1	470nF	
11	U13	DIP-16_W7.62mm_Socket	1	74HC595	
12	U12,U11,U10,U9,U8,U7,U6,U5	2354XX_2.5_digit_display	8	2354BS	
13	U4,U3	DIP-24_W7.62mm_Socket	2	MAX7219	
14	U1	TO-220-3_Vertical	1	L7805	
15	SW4	RotaryEncoder_Alps_EC11E-Switch_Vertical_H20mm	1	Rotary_Encoder_Switch	
16	SW3,SW2,SW1	Mom_push_button_PBS-110	3	SW_Push	PBS-110
17	RV1	Potentiometer_Alpha_9mm_single_gang	1	B10k	alpha 9mm pot
18	R50,R49,R48,R47,R46,R45,R44,R43,R42,R41,R40,R39,R38,R37,R36,R35,R33,R30,R27,R26,R25,R22,R12,R11,R10,R9	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	26	10k	1/4w
19	R18,R17	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	2	10R	1/4w
20	R24,R23,R4,R3,R2,R1	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	6	100k	1/4w
21	R32,R31	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	2	27k	1/4w
22	R8,R7,R6,R5	R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm_Horizontal_Value_Silks	4	1M	1/4w
23	Q12,Q11,Q10,Q9,Q8,Q7,Q6,Q5,Q4,Q3,Q2,Q1	TO-92L_Inline_Wide	12	2N3904	
24	J5	IDC-Header_2x05_P2.54mm_Vertical	1	Conn_02x05	box header
25	D4,D3,D2,D1	D_DO-41_SOD81_P10.16mm_Horizontal	4	1N5817	
26	C17,C16,C5,C4	CP_Radial_D5.0mm_P2.50mm	4	10uF	
27	C15,C11,C10	C_Disc_D6.0mm_W2.5mm_P5.00mm	3	10nF	
28	C2	CP_Radial_D5.0mm_P2.50mm	1	330nF	
29	C8,C7,C6	C_Disc_D6.0mm_W2.5mm_P5.00mm	3	220nF	
30	U2	DIP-8_W7.62mm_Socket	1	TL082	or TL084