

Part number on Schematic	Value	Amount	Package	Link for ordering	Comment
Resistors SMD					
R31, R32, R33, R34, R35, R36, R37, R38, R83, R83, R85, R86, R87, R88, R89, R90	1K	16	0603 SMD	1K Ohm 1/10W 1% 0603 SMD Chip Resistors (daydaelectronics.com)	
R72, R76, R77, R78, R79, R80, R81, R82	10K	8	0603 SMD	10K Ohm 1/10W 1% 0603 SMD Chip Resistors (daydaelectronics.com)	
R39, R40, R41, R42, R43, R44, R45, R46	LED resistors ADC ~3.3K	8	0603 SMD	3.3K Ohm 1/10W 1% 0603 SMD Chip Resistors (daydaelectronics.com)	Resistor for setting the brightness on the ADC LEDs. Running on 5V. Recommended value for clear yellow LEDs is 3.3K. Best is to test with the LEDs you want to use and test for brightness with some resistor values with 5V before ordering th SMD resistors
R49, R50, R51, R52, R53, R54, R55, R56	LED resistors DAC ~75K	8	0603 SMD	100K Ohm 1/10W 1% 0603 SMD Chip Resistors (daydaelectronics.com)	Resistor for setting the brightness on the DAC LEDs. Running on 12V. Recommended value for clear green LEDs is 75K. Best is to test with the LEDs you want to use and test for brightness with some different resistor values with 12V before ordering th SMD resistors
Resistors THT					
R74	470R	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R68	680R	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R70, R15, R23, R29, R30, R69, R92, R94	1K	9	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	R29 is the Resistor which sets the brightness of the Clip LED running on 5V. Recommended value for clear red LED is 1K. Best is to test with the LEDs you want to use and test for brightness with some resistor values with the right supply voltage before ordering th SMD resistors
R63	1.8K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R5, R6, R7, R8, R10, R11, R12, R16, R17, R18, R19, R20, R21, R22	5.1K	15	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R44, R46, R25, R27, R28, R47, R48, R57, R58, R65, R66, R67, R71, R75, R91, R93	10K	16	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R59, R62	20K	2	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R73	22K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R2, R80, R81	47K	3	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R15	49K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R1, R3, R95	100K	3	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R4	200K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R14	220K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
R64	1M	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (daydaelectronics.com)	
Capacitors					
C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C25	100n	16	Ceramic	https://www.daydaelectronics.com/100nf-50v-multi-layer-monolithic-ceramic-capacitor-2-54mm-vishay.html	
C21	22n	1	Film	22nf 0.02uf 100V 5% Polyester Film Box Type Capacitor (daydaelectronics.com)	
C20	68n	1	Film	68nf 0.006uf 100V 5% Polyester Film Box Type Capacitor (daydaelectronics.com)	
C1	100n	1	Film	100nf 0.1uf 100V 5% Polyester Film Box Type Capacitor (daydaelectronics.com)	
C23	680n	1	Film	680nf 0.68uf 100V 5% Polyester Film Box Type Capacitor (daydaelectronics.com)	
C1, C3, C19, C24	10u	4	Elko	10uf 50V 105C Radial Electrolytic Capacitor 5x11mm (daydaelectronics.com)	
Diodes					
D1	Clip LED	1	LED 3mm round	LED 3mm Red Water Clear Ultra Bright (daydaelectronics.com)	
D2, D3, D4, D5, D6, D7, D8, D9	LEDs ADC	8	LED 3mm round	LED 3mm Orange Water Clear (daydaelectronics.com)	Dayda has no yellow LEDs at the moment ...
D10, D11, D12, D13, D14, D15, D16, D17	LEDs DAC	8	LED 3mm round	LED 3mm Green Water Clear Super Bright (daydaelectronics.com)	
D19	BA7A3	1			
D18, D20	1N4148	2		1N4148 Switching Signal Diode (daydaelectronics.com)	
Variable Resistors					
RV3	100K	1	Trim	100K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3290W (daydaelectronics.com)	
RV5, RV9, RV12	2K	3	Trim	2K OHM CERMET TRIMMER POTENTIOMETER 25 TURNS 3290W (daydaelectronics.com)	
RV4, RV5, RV14	10K	3	Trim	10K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3290W (daydaelectronics.com)	
RV10	10K Knurled Shaft	1	Pot	10K OHM Linear Taper Potentiometer Spline Shaft PCB Mount 9mm (daydaelectronics.com)	linear Taper
RV2, RV11, RV8	100K Knurled Shaft	3	Pot	100K OHM Linear Taper Potentiometer Spline Shaft PCB Mount 9mm (daydaelectronics.com)	linear Taper
RV1, RV7	100K Round Shaft	2	Pot	100K OHM Linear Taper Potentiometer Round Shaft PCB 9mm (daydaelectronics.com)	linear Taper
Transistors					
Q1, Q3, Q4	BC547	3	TO-92	BC547 Transistor NPN 45V 0.1A (daydaelectronics.com)	
Q2	BC557	1	TO-92	BC557 Transistor PNP 45V 0.1A TO-92 BC557B-KEC/P (daydaelectronics.com)	
Jacks and Connectors					
J1, J2, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18, J19, J20, J21, J22, J23, J24, J25	Thomkonn type Mono Jack	24		PJ-3001F 3.5mm Mono Phone Jack (daydaelectronics.com)	
J3	Pin Header 2x5 Male Boxed	1		10 Pin Box Header Connector 2.54mm (daydaelectronics.com)	
J23, J25	Pin Header 2x5 Male 22.34	2			
J27, J30	Pin Header 1x14 Female	2		40 Pin 2.54 mm Single Row Female Pin Header (daydaelectronics.com)	Cut to length!
J26, J31	Pin Header 1x14 Male	2		40 Pin 2.54 mm Single Row Pin Header Strip (daydaelectronics.com)	Cut to length!
J28	Pin Header 1x31 Female	1		40 Pin 2.54 mm Single Row Female Pin Header (daydaelectronics.com)	Cut to length!
J29	Pin Header 1x31 Male	1		40 Pin 2.54 mm Single Row Pin Header Strip (daydaelectronics.com)	Cut to length!
Switches					
S1, S2, S3, S4, S5, S6, S7, S8, S9	DPDT latching switch 7x7mm	9		HIGH BUTTON SWITCH DC 30V 0.1A DPDT 7x7mm (daydaelectronics.com)	
Integrated Circuits					
U1	MCPE002	1	DIP-8		
U2, U3, U4, U5	TL074	4	DIP-14	TL074 Quad Operational Amplifier J-FET PDIP-14 TL074CN (daydaelectronics.com)	
U8	CD4069	1	DIP-14	CD4069UBC CD4069 4050 Hex Inverter IC (daydaelectronics.com)	
U6, U7	LM324	2	DIP-14	LM324N LM324 324 Low Power Quad Op-amp IC (daydaelectronics.com)	
U9, U10	CD4066	2	DIP-14	CD4066 4066 IC CMOS QUAD BILATERAL SWITCH (daydaelectronics.com)	
U11	17805	1	TO-220-3	1847805 17805 280V Voltage Regulator IC 5V 1.5A (daydaelectronics.com)	
U12	TL431	1	TO-92	TL431ACL TL431 PRECISION SHUNT REGULATOR (daydaelectronics.com)	
IC1	ADC0820CCN	1	DIP-20		
IC2	DAC0830U	1	DIP-20		
IC Sockets					
E1	IC Socket	1	DIP-8	8 pin DIP IC Socket Adaptor Solder Type (daydaelectronics.com)	
E2, E3, E4, E5, E6, E7, E8, E9, E10	IC Socket	9	DIP-14	14 pin DIP IC Socket Adaptor Solder Type (daydaelectronics.com)	
EC1, EC2	IC Socket	2	DIP-20	20 pin DIP IC Socket Adaptor Solder Type (daydaelectronics.com)	
Other parts					
K1, K2	Alu Pot Knobs 22mm	2	6.35mm shaft	Aluminum Knob with Delta Mark (daydaelectronics.com)	
K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13	Black Pot Knobs slim	4	knurled shaft	10 Pcs Black Plastic Potentiometer Rotary Control Knobs Caps for 6mm Dia 50Vdc 1 gbay	
W1, W2	Black Switch Caps	9		Push Button Switch Caps Black Color 6x5mm (daydaelectronics.com)	other colours than black available at Dayda
J24, J25, J26, J27	IDC Ribbonable 10 Pin	2		10 Conductor AWG 28 Flat Ribbon Cable 121 (30cm) (daydaelectronics.com)	
	IDC Header Female 5x2 Pin	4		IDC Socket Connector 2.54mm 7*4 Pin (daydaelectronics.com)	