

Part number on Schematic	Value	Amount	Package	Link for ordering	Comment
Resistors SMD					
Resistors THT					
R74	470R	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.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
R68	680R	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R70, R13, R23, R29, R30, R69, R92, R94	1K	8	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R63	1.8K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R5, R6, R7, R8, R9, 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 (taydaelectronics.com)	
R24, R26, 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 (taydaelectronics.com)	
R59, R62	20K	2	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R73	22K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R2, R60, R61	47K	3	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R15	91K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R1, R3, R95,	100K	3	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R4	200K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R14	220K	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
R64	1M	1	THT 1/4W	Save time Easy Ordering Page for 1/4W 1% Resistors (taydaelectronics.com)	
Capacitors					
C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C25	100n	16	Ceramic	https://www.taydaelectronics.com/?id=50v-multilayer-monolithic-ceramic-capacitor-2-54mm-vishay.html	
C21	22n	1	Film	22nF 0.022uF 100V 5% Polyester Film Box Type Capacitor (taydaelectronics.com)	
C20	68n	1	Film	68nF 0.068uF 100V 5% Polyester Film Box Type Capacitor (taydaelectronics.com)	
C1	1000uF	1	Film	1000uF 0.1uF 100V 2% Polyester Film Box Type Capacitor (taydaelectronics.com)	
C23	680n	1	Film	680nF 0.68uF 100V 5% Polyester Film Box Type Capacitor (taydaelectronics.com)	
C2, C3, C19, C24	10u	4	Elko	10uF 50V 105C Radial Electrolytic Capacitor 5x11mm (taydaelectronics.com)	
Diodes					
D1	Clip LED	1	LED 3mm round	LED 3mm Red Water Clear Ultra Bright (taydaelectronics.com)	Tayda has no yellow LEDs at the moment...
D2, D3, D4, D5, D6, D7, D8, D9	LEDs ADC	8	LED 3mm round	LED 3mm Orange Water Clear (taydaelectronics.com)	
D10, D11, D12, D13, D14, D15, D16, D17	LEDs DAC	8	LED 3mm round	LED 3mm Green Water Clear Super Bright (taydaelectronics.com)	
D19	BA143	1			
D18, D20	1N4148	2		1N4148 Switching Signal Diode (taydaelectronics.com)	
Variable Resistors					
RV3	100K	1	Trim	100K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3296W (taydaelectronics.com)	
RV6, RV9, RV12	2K	3	Trim	2K OHM CERMET TRIMMER POTENTIOMETER 25 TURNS 3296W (taydaelectronics.com)	
RV4, RV5, RV14	10K	3	Trim	10K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3296W (taydaelectronics.com)	
RV10	10K Knurled Shaft	1	Pot	10K OHM Linear Taper Potentiometer Spline Shaft PCB Mount 9mm (taydaelectronics.com)	linear Taper
RV2, RV11, RV8	100K Knurled Shaft	3	Pot	100K OHM Linear Taper Potentiometer Spline Shaft PCB Mount 9mm (taydaelectronics.com)	linear Taper
RV1, RV7	100K Round Shaft	2	Pot	100K OHM Linear Taper Potentiometer Round Shaft PCB 9mm (taydaelectronics.com)	linear Taper
Transistors					
Q1, Q3, Q4	BC547	3	TO-92	BC547 Transistor NPN 45V 0.1A (taydaelectronics.com)	
Q2	BC557	1	TO-92	BC557 Transistor PNP 45V 0.1A TO-92 BC557B-EECP (taydaelectronics.com)	
Jacks and Connections					
J1, J2, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18, J19, J20, J21, J22, J23, J24, J25	Thonkicomm type Mono Jack	24		Pi-3001F 3.5mm Mono Phone Jack (taydaelectronics.com)	
J3	Pin Header 2x5 Male Boxed	1		10 Pin Box Header Connector 2.54mm (taydaelectronics.com)	
J32, J33	Pin Header 2x5 Male P2.54	2			
J27, J30	Pin Header 1x14 Female	2		40 Pin 2.54 mm Single Row Female Pin Header (taydaelectronics.com)	Cut to lenght!
J26, J31	Pin Header 1x14 Male	2		40 Pin 2.54 mm Single Row Pin Header Strip (taydaelectronics.com)	Cut to lenght!
J28	Pin Header 1x31 Female	1		40 Pin 2.54 mm Single Row Female Pin Header (taydaelectronics.com)	Cut to lenght!
J29	Pin Header 1x31 Male	1		40 Pin 2.54 mm Single Row Pin Header Strip (taydaelectronics.com)	Cut to lenght!
Switches					
S1, S2, S3, S4, S5, S6, S7, S8, S9	DPDT latching switch 7x7mm	9		PUSH BUTTON SWITCH DC 30V 0.1A DPDT 7x7mm (taydaelectronics.com)	
Integrated Circuits					
U1	MC95002	1	DIP-8		
U2, U3, U4, U5	TL074	4	DIP-14	TL074 Quad Operational Amplifier J-FET PDIP-14 TL074CN (taydaelectronics.com)	
U8	CD4069	1	DIP-14	CD4069UBC CD4069 4069 Hex Inverter IC (taydaelectronics.com)	
U6, U7	LM324	2	DIP-14	LM324N LM324 324 Low Power Quad Op-Amp IC (taydaelectronics.com)	
U9, U10	CD4066	2	DIP-14	CD4066 4066 IC CMOS QUAD BILATERAL SWITCH (taydaelectronics.com)	
U11	L7805	1	TO-220-3	LM7805 L7805 7805 Voltage Regulator IC 5V 1.5A (taydaelectronics.com)	
U12	TL431	1	TO-92	TL431ACL TL431 PRECISION SHUNT REGULATOR (taydaelectronics.com)	
IC1	ADC0820CCN	1	DIP-20		
IC2	DAC0890L	1	DIP-20		
IC Sockets					
E1	IC Socket	1	DIP-8	8 pin DIP IC Socket Adaptor Solder Type (taydaelectronics.com)	
E2, E3, E4, E5, E6, E7, E8, E9, E10	IC Socket	9	DIP-14	14 pin DIP IC Socket Adaptor Solder Type (taydaelectronics.com)	
EC1, EC2	IC Socket	2	DIP-20	20 pin DIP IC Socket Adaptor Solder Type (taydaelectronics.com)	
External Parts					
K1, K2	Alu Pot Knobs 22mm	2	6.35mm shaft	Aluminum Knob with Delta Mark (taydaelectronics.com)	
K1, K2, K3, K4	Black Pot Knobs slim	4	knurled shaft	30 Pcs Black Plastic Potentiometer Rotary Control Knobs Caps for 6mm Dia SH-Ya 1 eBay	
K5, K6, K7, K8, K9, K10, K11, K12, K13	Black Switch Caps	9		Push Button Switch Caps Black Color 6x5mm (taydaelectronics.com)	other colours than black available at Tayda
W1,W2	IDC Ribboncable 10 Pin	2		30 Conductor AWG 28 Flat Ribbon Cable 1FT (30cm) (taydaelectronics.com)	
J34, J35, J36, J37	IDC Header Female 5x2 Pin	4		IDC Socket Connector 2.54mm 2*4 Pin (taydaelectronics.com)	