



## LA502 Parts list

All the components in this list are included in the kit  
Tous les composants de cette liste sont inclus dans le kit

Reference	Value	Qty	Description	Marking
R34, R35	1R	2	Resistor 1%, 1/4W	BRN-BLK-BLK-SLV-BRN
R8, R9, R10, R11, R12, R13, R14	12R	7	Resistor 1%, 1/4W	BRN-RED-BLK-GLD-BRN
R43	22R	1	Resistor 1%, 1/4W	RED-RED-BLK-GLD-BRN
R42	27R	1	Resistor 1%, 1/4W	RED-VIO-BLK-GLD BRN
R41	39R	1	Resistor 1%, 1/4W	ORG-WHT-BLK-GLD-BRN
R7	47R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD BRN
R40	82R	1	Resistor 1%, 1/4W	GRY-RED-BLK-GLD-BRN
R39	130R	1	Resistor 1%, 1/4W	BRN-ORG-BLK-BLK-BRN
R20, R44	470R	2	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK BRN
R3, R4, R18, R33	1K	4	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN
R17	1K	1	Resistor 1%, 1W	BRN-BLK-BLK-BRN-BRN
R22	2K2	1	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN
R16, R28, R36, R38	4K7	4	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R26, R27, R37	10K	3	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R1	12K	1	Resistor 1%, 1/4W	BRN-RED-BLK-RED-BRN
R2	22K	1	Resistor 1%, 1/4W	RED-RED-BLK-RED-BRN
R21	47K	1	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN
R24, R25	68K	2	Resistor 1%, 1/4W	BLU-GRY-BLK-RED-BRN
R5, R6, R29, R30, R31	100K	5	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN
R19, R23, R32	2M2	3	Resistor 1%, 1/4W	RED-RED-BLK-YEL-BRN
R15	NC	1	Not connected	
C3, C4	47pF	2	Capacitor Ceramic	470
C1, C2, C14	470pF	3	Capacitor Ceramic	471
C7, C8, C9, C10, C11, C12, C19, C20, C21, C22, C25, C26	100nF	12	Capacitor Ceramic	104
C6, C27, C28	1uF	3	Capacitor Ceramic	105
C16	22nF	1	Capacitor Film	0.022
C17	100nF	1	Capacitor Film	0.1
C18	220nF	1	Capacitor Film	0.22
C15	BP10uF	1	Capacitor Electro, Bipolar	
C13	BP100uF	1	Capacitor Electro, Bipolar	
C23, C24	330uF-25V	2	Capacitor Electro Low ESR, 105°	
C5	BP1000uF	1	Capacitor Electro, Bipolar	
T1	Ratio 1:1	1	Line input transformer	
T2	Ratio 1:2	1	Line output transformer	
D1, D5, D6	1N4004	3	Rectifier diode	1N4004
D2, D3, D4	1N914	3	Signal diode	914 or 4148
D7, D8, D9, D10, D11, D12	LED	6	3mm LED red	

OC1		1	Opto-coupler	
Q1	J111	1	N JFET transistor	
U1, U2, U3, U4, U5, U6	OPA2134	6	Dual Op-Amp	<b>OPA134</b>
U7	TL431A	1	Precision voltage reference	
U8, U9	LM339	2	Quad comparator	
U10	LM317LZ	1	Positive voltage regulator	
SW1, SW2, SW3, SW4	DPDT	4	Min toggle switch on/off/on	
CN1a	10 pins	1	SIL 2.54 socket 1x10 pins	
CN1b	10 pins	1	SIL 2.54 header 1x10 pins	
	8 pins	6	IC socket	
	14 pins	2	IC socket	
TP1...TP3, V+, V-, 0V		6	Test pin	
P1	4k7C	1	Potentiometer	<b>4.7k REV LOG</b>
P2	100kB	1	Potentiometer	<b>100K LOGB</b>
P3, P4	2k2	2	Trimmer pot	<b>202 or 2K</b>
P5	10k	1	Trimmer pot	<b>502 or 5K</b>
RLY1		1	Submin relay DPDT 24V	
Main PCB		1	PCB	
knob		2	Knob	
		1	LA502 front panel	
		1	Side plate	
Front pannel assembly	M3x6	2	Black screw countersunk	
Cover assembly	M3x6	4	Screw countersunk	
PCB assembly	M3	4	Lock washer	
Main PCB assembly	M3x25	4	Spacer male/fem	
(1) Data can be changed without notice				
(1) Les donnée peuvent être modifiées sans préavis				
Schematic Rev 2.1 - PCB Rev 1.4				
Last modified : 18/10/2021				