



CP554 Parts list (1)

All the components in this list are included in the kit

Reference	Value	Qty	Description	Marking
R37, R38	1R0	2	Resistor 1%, 1/4W	BRN-BLK-BLK-SLV-BRN
R39	7R5	1	Resistor 1%, 1/4W	VIO-GRN-BLK-SLV-BRN
R23, R24, R94, R95	12R	4	Resistor 1%, 1/4W	BRN-RED-BLK-GLD-BRN
R22	15R	1	Resistor 1%, 1/4W	BRN-GRN-BLK-GLD-BRN
R21	22R	1	Resistor 1%, 1/4W	RED-RED-BLK-GLD-BRN
R20	27R	1	Resistor 1%, 1/4W	RED-VIO-BLK-GLD-BRN
R19	33R	1	Resistor 1%, 1/4W	ORG-ORG-BLK-GLD-BRN
R12, R18, R45, R62	47R	4	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN
R32	47R	1	Resistor 1%, 1W	YEL-VIO-BLK-GLD-BRN
R17	56R	1	Resistor 1%, 1/4W	GRN-BLU-BLK-GLD-BRN
R46	75R	1	Resistor 1%, 1/4W	VIO-GRN-BLK-GLD-BRN
R16	82R	1	Resistor 1%, 1/4W	GRY-RED-BLK-GLD-BRN
R47	100R	1	Resistor 1%, 1/4W	BRN-BLK-BLK-BLK-BRN
R15	110R	1	Resistor 1%, 1/4W	BRN-BRN-BLK-BLK-BRN
R44	120R	1	Resistor 1%, 1/4W	BRN-RED-BLK-BLK-BRN
R48	150R	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BLK-BRN
R14	160R	1	Resistor 1%, 1/4W	BRN-BLU-BLK-BLK-BRN
R13, R49	220R	2	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN
R69, R70, R85	270R	3	Resistor 1%, 1/4W	RED-VIO-BLK-BLK-BRN
R50	390R	1	Resistor 1%, 1/4W	ORG-WHT-BLK-BLK-BRN
R9, R60	470R	2	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK-BRN
R51, R71	560R	2	Resistor 1%, 1/4W	GRN-BLU-BLK-BLK-BRN
R1	620R	1	Resistor 1%, 1/4W	BLU-RED-BLK-BLK-BRN
R42, R63	820R	2	Resistor 1%, 1/4W	GRY-RED-BLK-BLK-BRN
R6, R8, R52, R86	1k0	4	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN
R34	1k0	1	Resistor 1%, 1W	BRN-BLK-BLK-BRN-BRN
R28, R40, R72	1k2	3	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN
R31, R33	1k5	2	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R11, R53	1k8	2	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN
R25, R43, R73, R89	2k2	4	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN
R64	2k7	1	Resistor 1%, 1/4W	RED-VIO-BLK-BRN-BRN
R29, R65, R87	3k3	3	Resistor 1%, 1/4W	ORG-ORG-BLK-BRN-BRN
R54	3k9	1	Resistor 1%, 1/4W	ORG-WHT-BLK-BRN-BRN
R10, R36, R56, R74	4k7	4	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R90	5k1	1	Resistor 1%, 1/4W	GRN-BRN-BLK-BRN-BRN
R4	5k6	1	Resistor 1%, 1/4W	GRN-BLU-BLK-BRN-BRN

R80	7k5	1	Resistor 1%, 1/4W	VIO-GRN-BLK-BRN-BRN
R5, R7, R35, R41, R84, R88, R91	10k	7	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R93	12k	1	Resistor 1%, 1/4W	BRN-RED-BLK-RED-BRN
R30, R66	15k	2	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN
R55, R79	18k	2	Resistor 1%, 1/4W	BRN-GRY-BLK-RED-BRN
R2, R3, R57, R58, R92	22k	5	Resistor 1%, 1/4W	RED-RED-BLK-RED-BRN
R75, R76	24k	2	Resistor 1%, 1/4W	RED-YEL-BLK-RED-BRN
R26, R61, R68	47k	3	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN
R27, R67	68k	2	Resistor 1%, 1/4W	BLU-GRY-BLK-RED-BRN
R77	75k	1	Resistor 1%, 1/4W	VIO-GRN-BLK-RED-BRN
R81, R82	120k	2	Resistor 1%, 1/4W	BRN-RED-BLK-ORG-BRN
R78	150k	1	Resistor 1%, 1/4W	BRN-GRN-BLK-ORG-BRN
R59	1M0	1	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN
R83	2M2	1	Resistor 1%, 1/4W	RED-RED-BLK-YEL-BRN
PTC1		1	Thermistor PTC	RA30
C3, C12	47p	2	Capacitor Ceramic	470
C5, C6, C29	100p	3	Capacitor Ceramic	101
C10, C15, C32	220p	3	Capacitor Ceramic	221
C18	330p	1	Capacitor Ceramic	331
C1, C2	470p	2	Capacitor Ceramic	471
C26, C27, C28, C40, C41, C42, C43	100n	7	Capacitor Ceramic	104
C4	1n5	1	Capacitor Film	1500
C16	4n7	1	Capacitor Film	4700
C21	10n	1	Capacitor Film	0.01 or 10n
C33, C34	150n	2	Capacitor Film	0.15 or 150n
C13	10u-25V	1	Capacitor Tantalum	
C37	10u-35V	1	Capacitor Tantalum	
C30	10u-63V	1	Capacitor Electro, 105°	
C20, C35	33u-35V	2	Capacitor Electro, 105°	
C36	47u-63V	1	Capacitor Electro, 105°	
C24, C38, C39	100u-25V	3	Capacitor Electro, 105°	
C17	100u-63V	1	Capacitor Electro, 105°	
C7, C8, C9, C22, C23, C31	330u-25V	6	Capacitor Electro, 105°	
C19	330u-35V	1	Capacitor Electro, 105°	
C11	1000u-16V	1	Capacitor Electro, Bipolar	
C25	1000u-25V	1	Capacitor Electro, 105°	
C14	1000u-35V	1	Capacitor Electro, 105°	
D1, D2, D3, D18, D19	1N4004	5	Rectifier diode	1N4004
D4, D5, D7, D8, D9, D10, D11, D13, D14, D15, D17	1N914	11	NPN small signal diode	
D12	NC		Not Connected	

D6	Z2V7	1	Zener diode	C2V7
D16	Z12V	1	Zener diode	12
D20	Z4V7	1	Zener diode 1W3	C4V7
LD1	Green	1	2mm LED	
Q1, Q3	J109	2	N JFET transistor	109
Q5, Q6, Q9	BC550C	3	NPN small signal transistor	550C
Q2, Q4, Q8	BC560C	3	PNP small signal transistor	560C
Q7	2N6488	1	NPN power transistor	2N6488
U1	THAT300	1	Transistor array	
U2, U5, U6	OPA2134	3	Dual low noise Op-Amp	
U3	LM317T	1	Variable voltage regulator	LM317
U4			Replaced by D20	
U7	TL431A	1	Precision voltage reference	TL431
SW1, SW4	1 x 12 pos	2	Rotary switch 1 x 12	
SW7, SW8, SW9	2 x 6 pos	3	Rotary switch 2 x 6 20mm	
SW2, SW5, SW6, SW10	DPDT	4	Push switch	
SW3	DPDT	1	Min toggle switch vertical on/off/on	
T1	VTB9046	1	Line input transformer	
T2	VTB9045	1	Mic input transformer	
T3	VTB1847	1	Line output transformer 1:1.5, gapped	
	8 pins	3	IC sockets	
	14 pins	1	IC sockets	
J2a		1	Header 90° 2x5 pins	
J1b		1	Header 90° 2x8 pins	
J3a		1	Header 90° 2x10 pins	
J4b		1	Header 2x3 pins	
JMP1		1	Header 1x3	
		1	Jumper	
J2b		1	Socket 2x5 pins	
J1a		1	Socket 2x8 pins	
J3b		1	Socket 2x10 pins	
J4a		1	Socket 2x3 pins	
0V1, 0V2, 3V, CV, TP1, TP2, TP3, TP4, TP5, V+L, V+R, V-L, V-R		19	Test pin	
TR1	1k	1	Trimmer pot 20 turns	102 or 1K
TR2, TR3, TR4, TR5, TR6	5k	5	Trimmer pot 20 turns	502 or 5K
RLY1		1	Relay submin DPDT 24V	
		1	0-20dB horizontal gain reduction meter	
		1	PCB (6 parts splittable)	
Knob		2	Marconi knob	
Knob		3	12.7x6mm knob	

		1	CP554 front pannel	
		1	MP573 Side plate	
Front pannel assembly	M2.5x8	3	Black screw countersunk	
PCB assembly	M2.5x6	3	Screw pan head	
PCB assembly	M2.5x15	3	Spacer fem/fem	
Front pannel assembly	M3x6	2	Black screw countersunk	
Cover assembly	M3x6	4	Screw countersunk	
Module fixing	M3x8	4	Black screw countersunk	
PCB assembly	M3x25	4	Spacer male/fem	
PCB assembly	M3x35	4	Spacer male/fem	
PCB assembly	M3	4	Nut	
PCB assembly	M3	12	Metal washer	
Meter assembly		10cm	Wire red	
Meter assembly		10cm	Wire black	
Black reference components	PCB Left			
Blue reference components	PCB Right			
Red reference components	PCB Front			
(1) Data can be changed without notice				
Schematic Rev 1.3				
PCB Rev 1.3				
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