



## CP4500 - Parts list (1)

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
R41, R42, R70, R71	1R	4	Resistor 1%, 1/4W	BRN-BLK-BLK-SLV-BRN
R37, R45, R66, R74	47R	4	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN
R44, R73, R102, R103	100R	4	Resistor 1%, 1/4W	BRN-BLK-BLK-BLK-BRN
R104, R105	220R	2	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN
R19, R36, R65	820R	3	Resistor 1%, 1/4W	GRY-RED-BLK-BLK-BRN
R33, R62	1K	2	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN
R72, R100	1K5	2	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R43	1K62	1	Resistor 1%, 1/4W	BRN-BLU-RED-BRN-BRN
R20	2K7	1	Resistor 1%, 1/4W	RED-VIO-BLK-BRN-BRN
R54, R55, R83, R84, R108	4K7	5	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R39, R50, R51, R52, R53, R68, R79, R80, R81 R82	5K1	10	Resistor 1%, 1/4W	GRN-BRN-BLK-BRN-BRN
R21	8K2	1	Resistor 1%, 1/4W	GRY-RED-BLK-BRN-BRN
R59, R88	10K	2	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R35, R64	12K	2	Resistor 1%, 1/4W	BRN-RED-BLK-RED-BRN
R1, R2, R10, R11, R46, R47, R48, R49, R56, R57, R58, R75, R76, R77, R78, R85, R86, R87	20K	18	Resistor 1%, 1/4W	RED-BLK-BLK-RED-BRN
R22	27K	1	Resistor 1%, 1/4W	RED-VIO-BLK-RED-BRN
R40, R69	33K	2	Resistor 1%, 1/4W	ORG-ORG-BLK-RED-BRN
R38, R67	47K	2	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN
R8, R17	68K	2	Resistor 1%, 1/4W	BLU-GRY-BLK-RED-BRN
R27, R92, R93, R98, R99	100K	5	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN
R23, R28	120K	2	Resistor 1%, 1/4W	BRN-RED-BLK-ORG-BRN
R90, R95	180K	2	Resistor 1%, 1/4W	BRN-GRY-BLK-ORG-BRN
R106, R107	180K	2	Resistor 1%, 1/4W	BRN-GRY-BLK-ORG-BRN
R29	220K	1	Resistor 1%, 1/4W	RED-RED-BLK-ORG-BRN
R6, R15, R24	270K	3	Resistor 1%, 1/4W	RED-VIO-BLK-ORG-BRN
R30, R91, R96	330K	3	Resistor 1%, 1/4W	ORG-ORG-BLK-ORG-BRN
R7, R16	510K	2	Resistor 1%, 1/4W	GRN-BRN-BLK-ORG-BRN
R9, R18	680K	2	Resistor 1%, 1/4W	BLU-GRY-BLK-ORG-BRN
R26	750K	1	Resistor 1%, 1/4W	VIO-GRN-BLK-ORG-BRN
R25	910K	1	Resistor 1%, 1/4W	WHI-BRN-BLK-ORG-BRN
R31, R32, R60, R61, R89, R94, R101	1M	7	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN
R3, R12	1M8	2	Resistor 1%, 1/4W	BRN-GRY-BLK-YEL-BRN
R97	2M2	1	Resistor 1%, 1/4W	RED-RED-BLK-YEL-BRN
R4, R13	3M3	2	Resistor 1%, 1/4W	ORG-ORG-BLK-YEL-BRN
R5, R14	3M9	2	Resistor 1%, 1/4W	ORG-WHI-BLK-YEL-BRN

R34, R63	4M7	2	Resistor 1%, 1/4W	VEL-VIO-BLK-VEL-BRN
L1, L2	22uH	2	Inductor	
C13, C35	22pF	2	Capacitor Ceramic	220
C4, C10, C22, C26, C32, C44	47pF	6	Capacitor Ceramic	470
C5, C6, C27, C28	470pF	4	Capacitor Ceramic	471
C3, C51, C54, Cd1...Cd16, Cd17...Cd28	100nF	31	Capacitor Ceramic	104
C48, C49, C50, C53, C56, C57	1uF	6	Capacitor Ceramic	105
C21, C43	2.2nF	2	Capacitor Film	2200
C9, C31	3.3nF	2	Capacitor Film	3300
C12, C20, C34, C42	100nF	4	Capacitor Film	0.1
C7, C8, C29, C30	150nF	4	Capacitor Film	u15
C1	470nF	1	Capacitor Film	u47
C2	6u8	1	Capacitor Tantale	
C11, C14, C24, C25, C33, C36, C46, C47	BP10uF-16V	8	Capacitor Electro, Bipolar	
C17, C18, C39, C40, C52, C55	33uF-35V	6	Capacitor Electro Low ESR, 105°	
C19, C23, C41, C45	BP100uF-16V	4	Capacitor Electro, Bipolar	
C15, C16, C37, C38	330uF-25V	4	Capacitor Electro Low ESR, 105°	
D1, D2, D6, D7, D8, D9, D10, D13, D14, D15, D16, D17	1N914	12	Signal diode	914 or 4148
D3	Green	1	2 mm LED	
D4, D5, D11, D12, D19, D20	1N4004	6	Rectifier diode	1N4004
D18	Z2V4	1	Diode Zener 2V4	
BR1, BR2, BR3, BR4	B125D	4	Bridge rectifier 1A	
Q1	2N7000	1	N channel FET transistor	
U1, U11	THAT1246	2	Line receiver	
U2, U3, U4, U5, U12, U13, U14, U15	THAT218-0/1A	8	High performance VCA	
U9, U19	THAT218-0/1C	2	High performance VCA	
U6, U8, U10, U16, U18, U20, U21, U22	OPA2134	8	Dual high performance audio Op-Amp	
U7, U17	THAT1646	2	Line driver	
U23	78L12	1	Positive voltage regulator	
U24	79L12	1	Negative voltage regulator	
SW1, SW2, SW3, SW4	DPDT	4	Min push switch on/on - white cap	
RSW1	4 x 3 pos	1	Rotary switch 4 poles x 3 pos	
RSW2, RSW3	2 x 6 pos	2	Rotary switch 2 poles x 6 pos	
CN1b, CN3b		2	DIL 2.54 socket 2x10 pins	
CN2b		1	DIL 2.54 socket 2x5 pins	
CN1a, CN3a		2	DIL 2.54 header 2x10pins 90°	
CN2a		1	DIL 2.54 header 2x5pins 90°	
CN4	4 pins	1	SIL 2.54 header	
CN4b	4 sockets	1	SIL 2.54 wire socket + 4 contacts	
IC socket	8 pins	12	DIL IC socket	
IC socket (only if U9, U19=SIP)	8x1 pins	2	SIL IC socket	
IC socket (only if U2...U5, U12...U15=SIP)	8x1 pins	8	DIL IC socket	

SIP=Single in-line Package				
JMP1, JMP2	2 pins	2	Jumper header	
		2	Jumper	
TP1...TP13, 2xV+, 2xV-, 2x0V, +12V, -12V		21	Test pin	
		2	Wire female terminal 6.3mm	
P1, P2, P3	22KA	3	Potentiometer	
T3	200R	1	Trimmer potentiometer 20 turns	201
T1, T2	1K	2	Trimmer potentiometer 20 turns	102
T4	5K	1	Trimmer potentiometer 20 turns	502
T5, T6 (only if VCA's=THAT2181A)	50k	2	Trimmer potentiometer 1 turn	503
RLY1, RLY2		2	Submin relay DPDT 24V	
M1		1	Analog meter	
PCB-left (black)		1	PCB	
PCB-right (blue)		1	PCB	
PCB-front (green)		1	PCB	
PCB-cover		1	PCB	
knob		6	Knob	
		1	G4500 front pannel	
		1	Side plate	
Front pannel assembly	M3x6	6	Black screw countersunk	
PCB assembly	M3x6	6	Screw pan head	
Various	M3	12	Metal washer	
PCB assembly	M3	1	Lock washer	
PCB assembly	M3	4	Nut	
PCB assembly	M3x15	4	Spacer fem/fem	
PCB assembly	M3x25	4	Spacer male/fem	
PCB assembly	M3x35	1	Spacer fem/fem	
PCB assembly	M3x35	3	Spacer male/fem	
PCB assembly	M3x6	4	Screw countersunk	
Meter assembly		6cm	wire red	
Meter assembly		7cm	wire black	
Meter assembly		8cm	wire yellow	
Meter assembly		8cm	wire blue	
Meter assembly		2cm	neoprene sleeve	
(1) Data can be changed without notice				
(1) Les donnée peuvent être modifiées sans préavis				
Schematic Rev 1.3 - PCB Rev 1.4				
Last modified : 17/03/2022				