



CP5176 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
R23, R24	12R	2	Resistor 1%, 1/4W	BRN-RED-BLK-GLD-BRN
R26, R27	47R	2	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN
R16	82R	1	Resistor 1%, 1/4W	GRY-RED-BLK-GLD-BRN
R50	120R	1	Resistor 1%, 1/4W	BRN-RED-BLK-BLK-BRN
R10, R11	180R	2	Resistor 1%, 1/4W	BRN-GRY-BLK-BLK-BRN
R13	196R	1	Resistor 1%, 1/4W	BRN-WHI-BLU-BLK-BRN
R62	220R	1	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN
R8, R30	1K	2	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN
R29	1K	1	Resistor 1%, 1/2W	BRN-BLK-RED-GLD or BRN-BLK-BLK-BRN-BRN
R52	1K	1	Resistor 0.1%, 1/4W	BRN-BLK-BLK-BRN-VIO
R60	1K2	1	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN
R22	1K5	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R17	1K8	1	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN
R46, R59	2K2	2	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN
R34, R43	2K7	2	Resistor 1%, 1/4W	RED-VIO-BLK-BRN-BRN
R18	3K3	1	Resistor 1%, 1/4W	ORG-ORG-BLK-BRN-BRN
R31, R33	3K9	2	Resistor 1%, 1/4W	ORG-WHI-BLK-BRN-BRN
R20, R53, R54, R64	4K7	4	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R35	5K1	1	Resistor 1%, 1/4W	GRN-BRN-BLK-BRN-BRN
R25	6K2	1	Resistor 1%, 1/4W	BLU-RED-BLK-BRN-BRN
R19, R44	6K8	2	Resistor 1%, 1/4W	BLU-GRY-BLK-BRN-BRN
R51	6K8	1	Resistor 0.1%, 1/4W	BLU-GRY-BLK-BRN-VIO
R7, R36, R40, R41, R61, R65	10K	6	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R57	12K	1	Resistor 1%, 1/4W	BRN-RED-BLK-RED-BRN
R42	15K	1	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN
R15, R37, R39, R45, R55, R58, R66	22K	7	Resistor 1%, 1/4W	RED-RED-BLK-RED-BRN
R6	27K	1	Resistor 1%, 1/4W	RED-VIO-BLK-RED-BRN
R47, R48, R49	47K	3	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN
R56	82K	1	Resistor 1%, 1/4W	GRY-RED-BLK-RED-BRN
R21	100K	1	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN
R12	560K	1	Resistor 1%, 1/4W	GRN-BLU-BLK-ORG-BRN
R4, R5, R9	1M	3	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN
R14, R32, R38	4M7	3	Resistor 5%, 1/4W	YEL-VIO-BLK-YEL-BRN
R1, R2, R3, R28, R63	NC	5	Not connected	
C9, C26	22pF-100V	2	Capacitor Ceramic	22
C16	330pF	1	Capacitor Ceramic	331
C35	100nF	1	Capacitor Ceramic	104
C4, C5	220pF	2	Capacitor Film	220

C1, C2	1nF	2	Capacitor Film	1000
C24	100nF	1	Capacitor Film	0.1
C6	220nF	1	Capacitor Film	0.22
C30	470nF	1	Capacitor Film	u47
C7	1uF	1	Capacitor Film	1u
C36	1uF-50V	1	Capacitor Electro Low ESR, 105°	
C12, C21, C22, C23, C25, C27, C28	33uF-35V	7	Capacitor Electro Low ESR, 105°	
C8, C29	100uF-25V	2	Capacitor Electro Low ESR, 105°	
C10	100uF-63V	1	Capacitor Electro Low ESR, 105°	
C13, C14, C15	BP100uF-16V	3	Capacitor Electro, Bipolar	
C11, C17, C18, C33, C34	330uF-25V	5	Capacitor Electro Low ESR, 105°	
C19	BP1000uF-16V	1	Capacitor Electro, Bipolar	
C31, C32	1000uF-25V	2	Capacitor Electro Low ESR, 105°	
C3, C20	NC	2	Not connected	
L1	6uH	1	Inductor	
D3, D4, D5, D6	1N914	4	Signal diode	914 or 4148
D1	1N4004	1	Rectifier diode	1N4004
D2	Green	1	2 mm LED	
D7	Z12V	1	Diode zener 12V	
D8	NC	1	Not connected	
Q1	BF245B	1	N channel FET transistor	
Q2, Q3, Q4	BC550C	3	NPN Transistor	
U3	NC	1	Not connected	
U4	TL431AC	1	Precision voltage reference	
U1, U2	TL074CN	2	Quad Op-Amp	TL074CN
A1	SK25	1	Discrete Operational Amplifier	
SW1, SW3, SW4	DPDT	3	Min toggle push switch on/on - white cap	
SW2	DPDT	1	Min toggle push switch on/on - red cap	
RSW1	2 x 6 pos	1	Rotary switch 2 x 6	
CN1	5 pins	1	SIL 2.54 connector header 5 pins	
JMP1	NC	1	Not connected	
JMP2	1x4 pins	1	SIL 2.54 jumper header	
JMP3	1x5 pins	1	SIL 2.54 jumper header	
CN2b, CN3b		2	DIL 2.54 socket 2x10 pins	
CN2a, CN3a		2	DIL 2.54 header 2x10pins 90°	
Jumper		4	Jumper	
IC socket	14 pins	2	IC socket	
DOA socket		7	Pin socket	
TP1...TP7, V+, V-, Vb-, 0V		11	Test pin	
P1	10KB	1	Potentiometer	10K LOGB
P2	22KB	1	Potentiometer	22K LOGB
P3	47KB	1	Potentiometer	47K LOGB
P4	2.2MB	1	Potentiometer	2MEG2 LOGB

P7	1K	1	Trimmer potentiometer	
P6	5K	1	Trimmer potentiometer	
P5	10K	1	Trimmer potentiometer	
RLY1		1	Relay DPDT 24V	
Main PCB		1	PCB	
knob		5	Knob	
		1	CP5176 front pannel	
		1	Side plate	
Front pannel assembly	M3x8	4	Black screw countersunk	
PCB assembly	M3x6	10	Screw pan head	
Transfo. Assembly	M3x25	2	Screw pan head	
Various	M3	10	Metal washer	
PCB assembly	M3	4	Shake-proof washer	
Transfo. Assembly	M3	2	Self locking nut	
PCB assembly	M3x15	2	Spacer fem/fem	
PCB assembly	M3x20	2	Spacer fem/fem	
Rack mounting	#4-40 3/8"	2	Black machine Philips head screw	
T1	CMLI-15/15PCA	1	Line input transformer 1:1	
T2	CMOQ-2S	1	Line output Transformer 1+1:1+1	
Transfo. assembly		1	Double sided adhesive tape (2cm)	
Gain reduction meter				
R9, R10	100R	2	Resistor 1%, 1/4W	BRN-BLK-BLK-BLK-BRN
R6, R7, R8	110R	3	Resistor 1%, 1/4W	BRN-BRN-BLK-BLK-BRN
R5	120R	1	Resistor 1%, 1/4W	BRN-RED-BLK-BLK-BRN
R4	130R	1	Resistor 1%, 1/4W	BRN-ORG-BLK-BLK-BRN
R3	150R	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BLK-BRN
R2	180R	1	Resistor 1%, 1/4W	BRN-GRY-BLK-BLK-BRN
R11, R12, R13	220R	3	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN
R1	249R	1	Resistor 1%, 1/4W	RED-YEL-WHT-BLK-BRN
R14	270R	1	Resistor 1%, 1/4W	RED-VIO-BLK-BLK-BRN
R15, R18, R19	330R	3	Resistor 1%, 1/4W	ORG-ORG-BLK-BLK-BRN
R16	390R	1	Resistor 1%, 1/4W	ORG-WHT-BLK-BLK-BRN
R17	6K2	1	Resistor 1%, 1/4W	BLU-RED-BLK-BRN-BRN
R23	10K	1	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R20, R21, R22	NC	3	Not connected	
C3	100n-100V	1	Capacitor Ceramic	104
C1, C2	33u-35V	2	Capacitor Electro Low ESR, 105°	
C4	NC	1	Not connected	
D1...D10	Green	10	High efficiency green LED	
D11...D14	Yellow	4	High efficiency yellow LED	
D15, D16	Red	2	High efficiency red LED	
D17, D18	NC	2	Not connected	

U1, U2, U3, U4	LM339N	4	Quad comparator
U5, U6	LM317LZ	2	Positive voltage regulator
PCB		1	PCB
(1) Data can be changed without notice			
(1) Les donnée peuvent être modifiées sans préavis			
Schematic Rev 1.5 - PCB Rev 1.5			
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