



MP4500 Parts list (1)

All the components in this list are included in the kit

Reference	Value	Qty	Description	Marking
R67, R68	5R6	2	Resistor 1%, 1/4W	GRN-BLU-BLK-SLV-BRN
R42	10R	1	Resistor 1%, 1/4W	BRN-BLK-BLK-GLD-BRN
R38	12R	1	Resistor 1%, 1/4W	BRN-RED-BLK-GLD-BRN
R40, R69, R70	27R	3	Resistor 1%, 1/4W	RED-VIO-BLK-GLD-BRN
R37	56R	1	Resistor 1%, 1/4W	GRN-BLU-BLK-GLD-BRN
R8, R17, R35	120R	3	Resistor 1%, 1/4W	BRN-RED-BLK-BLK-BRN
R20, R21, R33	220R	3	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN
R43, R44, R45	390R	3	Resistor 1%, 1/4W	ORG-WHT-BLK-BLK-BRN
R41	820R	1	Resistor 1%, 1/4W	GRY-RED-BLK-BLK-BRN
R50	1k0	1	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN
R62	1k2	1	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN
R10, R14, R39, R66	1k5	4	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R11 (optional)	1k5	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R36, R46, R47	3k3	3	Resistor 1%, 1/4W	ORG-ORG-BLK-BRN-BRN
R48, R49, R52, R54, R55	4k7	5	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R1, R2	6K8 - 1‰	2	Resistor 1‰, 1/4W	BLU-GRY-BLK-BRN-VIO
R22	8k2	1	Resistor 1‰, 1/4W	GRY-RED-BLK-BRN-BRN
R4, R6, R7, R12, R13, R18, R19, R24, R25, R27, R28, R29, R30, R32, R34, R57, R60, R64, R65	10k	19	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R9, R23, R56	20k	3	Resistor 1%, 1/4W	RED-BLK-BLK-RED-BRN
R5	47k	1	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN
R15, R16, R51, R53, R61	100k	5	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN
R3, R31, R58, R59	330k	4	Resistor 1%, 1/4W	ORG-ORG-BLK-ORG-BRN
R26, R63	1M0	2	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN
R11	NC	1	Resistor 1%, 1/4W	
C10, C11, C15, C18, C19	22p	5	Capacitor Ceramic	220
C3	47p	1	Capacitor Ceramic	470
C5, C6, C12, C13, C16, C17	100p	6	Capacitor Ceramic	101
C1, C2	470p	2	Capacitor Ceramic	471
C29, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C46, C47, C48, C49, C50	100n	18	Capacitor Ceramic	104
C23, C24, C28	1u	3	Capacitor Ceramic	105
C22	100n	1	Capacitor Film	0,1
C20, C21	220n	2	Capacitor Film	0,22

C7, C8	2u2-63V	2	Capacitor Film	2u2
C26, C27	10u-16V	2	Capacitor Electro, Bipolar	
C14	33u-35V	1	Capacitor Electro, 105°	
C25	100u-16V	1	Capacitor Electro, Bipolar	
C4	100u-63V	1	Capacitor Electro, 105°	
C9, C30, C31, C44, C45	330u-25V	5	Capacitor Electro, 105°	
L1, L2		2	Ferrite bead	
D1, D16, D17	1N4004	3	Rectifier diode	1N4004
D2, D3, D4, D5, D9, D11, D12, D13, D14, D15	1N914	10	NPN small signal diode	914
D6, D7, D8, D10	Z2V4	4	Zener diode 2V4 - 0W5	C2V4
BR1		1	Diode bridge	
LD1	Red	1	LED diode	
LD2	Red/Green	1	LED diode	
Q1	BC556C	1	P channel transistor	
Q2	BC546C	1	N channel transistor	
Q3	AS194H	1	Dual N channel matched transistor	
U1, U2, U4	NE5534AP	3	Low noise Op-Amp	
U3	OP07	1	Low offset Op-Amp	
U5, U7	OPA2134PA	2	Dual Low noise Op-Amp	
U8	TL074CN	1	Quad low noise Op-Amp	
U6	THAT1646	1	Balanced line driver	
SW1, SW4, SW5	DPDT	3	Push switch, 2 poles, white cap	
SW2	DPDT	1	Push switch, 2 poles, red cap	
SW3	6PDT	1	Push switch, 6 poles, white cap	
SWR1		1	Rotary switch 1x6	
RLY1	DPDT	1	Relay	
	8 pins	7	IC socket	
	14 pins	1	IC socket	
J1a, J2a, J3a, J4a		4	Socket 1x4 pins	
J1b, J2b, J3b, J4b		4	Header 17mm 1x4 pins	
TP1, TP2, TP3, TP4, TP5, V+, V-, 0V		8	Test pin	
P1	2x100K Rlog	1	Potentiometer	C100K
P2	2x50K Lin	1	Potentiometer center tap	
P3	2x 100K Log	1	Potentiometer	
Knob		4	12.7x6mm knob	
Cap red		1		
Cap black		1		
Cap blue		1		
Cap green		1		
		1	PCB (2 parts splittable)	

		1	Front pannel	
Front pannel assembly		2	Nut 3D	
Front pannel assembly	M3x6	2	Black screw countersunk	
Module fixing	M3x8	2	Black screw countersunk	
PCB assembly	M3x16	2	Spacer	
PCB assembly	M3x6	6	Screw	
Black reference components	PCB main			
Blue reference components	PCB Front			
(1) Data can be changed without notice				
Schematic Rev 1.1				
PCB Rev 1.1				
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