



MP32 Parts list (1)

All the components in this list are included in the kit, except the transformer and the DOA's which are optional
 Tous les composants de cette liste sont inclus dans le kit sauf les transformateurs et l' AOD qui sont optionnels

Reference	Value	Qty	Description	Marking	Dim (2)	Manuf.
R9, R29, R30, R31, R32	22R	5	Resistor 1%, 1/4W	RED-RED-BLK-GLD-BRN		
R12, R13	33R	2	Resistor 1%, 1/4W	ORG-ORG-BLK-GLD-BRN		
R25, R26	47R	2	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN		
R3, R4, R21	150R	3	Resistor 1%, 1/4W	BRN-GRN-BLK-BLK-BRN		
R27, R28	180R	2	Resistor 1%, 1/4W	BRN-GRY-BLK-BLK-BRN		
R8	330R	1	Resistor 1%, 1/4W	ORG-ORG-BLK-BLK-BRN		
R34	820R	1	Resistor 1%, 1/4W	GRY-RED-BLK-BLK-BRN		
R24, RL1	1K2	2	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN		
R5	1K5	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN		
R1, R2	6K8	2	Resistor 1%, 1/4W	BLU-GRY-BLK-BRN-VIO		
R7, R10, R11, R19, R23	15K	5	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN		
R6	20K	1	Resistor 1%, 1/4W	RED-BLK-ORG-BRN or RED-BLK-BLK-RED-BRN		
R18, R20	47K	2	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN		
R33	56K	1	Resistor 1%, 1/4W	GRN-BLU-BLK-RED-BRN		
R15, R17, R22	100K	3	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN		
R14, R16	220K	2	Resistor 1%, 1/4W	RED-RED-BLK-ORG-BRN		
C14, C15	47p-100V	2	Capacitor Ceramic (not used with SK47)	470	R5	
C1, C2, C10, C11	470p-100V	4	Capacitor Film	470	R5	Wima
C3, C34	100n-100V	2	Capacitor Ceramic	104	R5	
C12, C17, C19	470n-100V	3	Capacitor Film	u47	R7.5	Epcos
C6, C7, C8, C9	22u-100V	4	Capacitor Film	22uF	R27.5	Wima
C21	1u-50V	1	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C20, C22, C23, C26, C27, C28,	33u-35V	7	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C4, C5	180u-63V	2	Capacitor Electro Low ESR, 105°		D10R5	Nichicon
C30, C31, C32, C33	470u-35V	4	Capacitor Electro Low ESR, 105°		D10R5	Nichicon
C24, C25	2200u-35V	2	Capacitor Electro Low ESR, 105°		D16R7.5	Nichicon
C16, C18	2200u-16V	2	Capacitor Electro Low ESR, 105°		D12.5R5	Nichicon
C13	3300u-6V3	1	Capacitor Electro, Bipolar		D16R7.5	Nichicon
L5, L6	6uH	2	Inductor			
L1, L2, L3, L4		4	Choke			
D5, D6, D7, D8, D13	1N914	5	Signal diode	914 or 4148		
D10, D11	1N4004	2	Rectifier diode	1N4004		
D12	Z7V5-0.5W	1	Zener diode	...7V5...		
D1, D2, D3, D4	Z18V-1.3W	4	Zener diode	...18...		
D9	Red/Green	1	2 colors LED, 2 pins		D3	
Q1	TIP126	1	PNP power darlington	TIP126		
U1	TL074CN	1	Quad Op-Amp	TL074CN		

U2	LM317	1	Positive voltage regulator	LM317T or TS317		
U3	LM337	1	Negative voltage regulator	LM337T		
A1, A2		2	Discrete Operational Amplifier			
SW3	SPDT	1	Min toggle switch on/on			
SW1	SPDT	1	Min toggle switch on/on, short lever, red cap			
SW2	DPDT	1	Min toggle switch on/on			
CN1, CN2	2 term	2	PCB terminal blocks		R5	
CN3	26pins	1	IDC box header			
JMP1	1x4 pins	1	SIL pin header		R2.54	
Jumper		1	Jumper		R2.54	
DOA socket		14	Pin socket		D1	
TP1, TP2, TP3		3	Test pin		D1	
P2	1KC+20KC	1	Potentiometer	1KC-22KC	L16	Omeg
P4, P5	5K	2	Trimmer pot	502 or 5K		
P1	10K	1	Trimmer pot	103 or 10K		
P3	20K	1	Trimmer pot	203 or 20K		
RLY1		1	Relay DPDT 24V			
U2, U3, Q1heatsinks	21 K/W	3	Heatsink TO220			
Main PCB		1	PCB		92x200	
Gain knob		1	Knob		D23	
Gain knob		1	Cap		D23	
Front pannel		1	MP32 front pannel			
Front pannel assembly	M3x6	2	Stainless st. screw countersunk			
PCB Assembly	M3x6	4	Screw pan head			
Transfo. Assembly	M3x25	2	Screw pan head			
Transfo. assembly	M3	6	Metal washer			
Transfo. assembly	M3	2	Self locking nut			
V12V2						
C2, C4	100n-100V	2	Capacitor ceramic	104 or 100n	R5	
C1, C3	33u-35V	2	Capacitor Electro Low ESR, 105°		D5R2	
CN1	20pins	1	Female socket DIL			
CN2	26pins	1	IDC box header			
U1	78L15	1	Positive voltage regulator TO92			
U2	79L15	1	Negative voltage regulator TO92			
		2	Nylon spacer 10mm			
	M3x6	2	Screw pan head			
	26 cond.		Ribbon cable		16cm	
	26 pins	2	IDC Cable Socket			
in/out connect		2	Flexible wire 0.5mm ² , Blue		8cm	
in/out connect		2	Flexible wire 0.5mm ² , Red		8cm	
Main PCB		1	PCB V12V2		237x126	

Output transformer option : Cinemag CMOQ-2S					
T1	CMOQ-2S	1	Line output Transformer 1+1:1+1		Cinemag
Output transformer option : Cinemag CMOB-2H					
T1	CMOB-2H	1	Line output Transformer 1:1		Cinemag
Output transformer option : Lundhal LL1517					
T1	LL1517	1	Line output Transformer 1+1:1+1		Lundhal
RZ1	680R	1	Resistor 1%, 1/4W	BLU-GRY-BLK-BLK-BRN	
CZ1	10n	1	Capacitor Film	0,01	
(1) Data can be changed without notice					
(2) Rx : spacing between leads or pins=x, Dx : diameter=x, Lx : Pot spindle length=x, Dimensions in mm unless differently stated					
Schematic Rev 1.2					
PCB Rev 1.2					
Last modified : 23/02/2014					