



## MP AB528 Parts list (1)

All the components in this list are included in the kit

Reference	Value	Qty	Description	Marking
R33, R34	1R0	2	Resistor 1%, 1/4W	BRN-BLK-BLK-SLV-BRN
R28, R30	12R	2	Resistor 1%, 1/4W	BRN-RED-BLK-GLD-BRN
R26	47R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN
R18	100R	1	Resistor 1%, 1/4W	BRN-BLK-BLK-BLK-BRN
R21, R24	120R	2	Resistor 1%, 1/4W	BRN-RED-BLK-BLK-BRN
R12	150R	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R13	220R	1	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN
R3	270R	1	Resistor 1%, 1/4W	RED-VIO-BLK-BLK-BRN
R11	330R	1	Resistor 1%, 1/4W	ORG-ORG-BLK-BLK-BRN
R6	470R	1	Resistor 1%, 1/4W	YEL-VIO-BLK-BLK BRN
R10	1k0	1	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN
R4, R8, R14	1k2	3	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN
R25, R42	1k5	2	Resistor 1%, 1/4W	BRN-GRN-BLK-BRN-BRN
R17, R20	2k2	2	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN
R5, R7	2k7	2	Resistor 1%, 1/4W	RED-VIO-BLK-BRN-BRN
R9, R19, R39	3k3	3	Resistor 1%, 1/4W	ORG-ORG-BLK-BRN-BRN
R27, R31, R32	4k7	3	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN
R1, R2	6K8 - 1%	2	Resistor 1%, 1/4W	BLU-GRY-BLK-BRN-VIO
R22, R29, R36, R41, R43	10k	5	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN
R38	12k	1	Resistor 1%, 1/4W	BRN-RED-BLK-RED-BRN
R35	18k	1	Resistor 1%, 1/4W	BRN-GRY-BLK-RED-BRN
R23, R37	100K	2	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN
R16	330K	1	Resistor 1%, 1/4W	ORG-ORG-BLK-ORG-BRN
R15, R40	1M0	2	Resistor 1%, 1/4W	BRN-BLK-BLK-YEL-BRN
R44, R45, R46, R47, R49	2M2	5	Resistor 1%, 1/4W	RED-RED-BLK-YEL-BRN
R48	4M7	1	Resistor 1%, 1/4W	YEL-VIO-BLK-YEL-BRN
C14	22p	1	Capacitor Ceramic	220
C4, C11	47p	2	Capacitor Ceramic	470
C8	100p	1	Capacitor Ceramic	101
C5	220p	1	Capacitor Ceramic	221
C2, C3	470p	2	Capacitor Ceramic	471
C22, C25	100n	2	Capacitor Ceramic	104
C21, C23, C24, C27, C28	1u	5	Capacitor Ceramic	105
C7	1n5	1	Capacitor Film	1500
C16	3n3	1	Capacitor Film	3300
C26	22n	1	Capacitor Film	0.022 or 22n

C6	470n	1	Capacitor Film	<b>0.47 or 470n</b>
C12, C13	100u-25V	2	Capacitor Electro, 105°	
C1	100u-63V	1	Capacitor Electro, 105°	
C9, C10, C19, C20	330u-25V	4	Capacitor Electro, 105°	
C15, C17, C18	1000u-25V	3	Capacitor Electro, 105°	
D1, D2, D3, D6, D7	1N4004	5	Rectifier diode	<b>1N4004</b>
D5, D8, D9, D10, D11, D12, D13	1N914	7	Small signal diode	
D4	Z5V1	1	Zener diode 0W5	<b>C5V1</b>
LD1	Red	1	3mm LED	
LD2	Red/Green	1	3mm LED	
Q1, Q3	BC560C	2	PNP small signal transistor	<b>560C</b>
Q2, Q4	BC550C	2	NPN small signal transistor	<b>550C</b>
Q5	2N6491	1	PNP power transistor	<b>2N6491</b>
Q6	2N6488	1	NPN power transistor	<b>2N6488</b>
U1	TL074CN	1	Quad Op-Amp	<b>TL074CN</b>
U2	OPA2134	1	Dual low noise Op-Amp	
		2	Heatsink TO220	
SW1	SPDT	1	Min toggle switch vertical on/on	
SW2, SW4	DPDT	2	Min toggle switch vertical on/off/on	
SW3	2 x 6 pos	1	Rotary switch 2 x 6 Lorlin	
T2	UTM2545	1	Mic input transformer	
T3	UTM3523	1	Line output transformer 1:2	
J3	NYS2192	1	Stereo jack socket	
IC socket	8 pins	1	IC sockets	
IC socket	14 pins	1	IC sockets	
J1a		1	Header 90° 2x5 pins	
J2a		1	Header 90° 2x10 pins	
J4b		1	Header 1x6	
		2	Header 90° 1x13 pins	
0V, TP1, TP2, TP3, TP4, V+, V-		7	Test pin	
J4a		1	Socket 1x6 pins	
J2b		1	Socket 2x10 pins	
J1b		1	Socket 2x5 pins	
		2	Jumper	
P1	10kB	1	Potentiometer	<b>10K LOGB</b>
RLY1, RLY2, RLY3		3	Relay submin DPDT 24V	
PCB Main (black refs)		1	PCB (6 parts splittable)	
PCB Front (blue refs)		1		
PCB DI (green refs)		1		
PCB input transformer		2		
PCB Cover		1		

Knob		1	Pointer knob red	
Knob		1	12.7x6mm knob, black	
		1	ABB528 front pannel	
		1	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	
Transformer assembly	M2.5x25	2	Screw pan head	
Transformer assembly	M2.5	2	Nut	
Transformer assembly	M2.5x3	2	Spacer	
Transformer assembly	M2.5	2	Washer	
Front pannel assembly	M3x6	2	Black screw countersunk	
Cover assembly	M3x6	4	Screw countersunk	
PCB assembly	M3x25	4	Spacer male/fem	
PCB assembly	M3	4	Nut	
PCB assembly	M3	2	Washer	
Heatsink assembly	M3x6	2	Screw pan head	
Heatsink assembly	M3	2	Self locking nut	
Module fixing	M3x8	2	Black screw countersunk	
(1) Data can be changed without notice				
Schematic Rev 1.4				
PCB Rev 1.4				
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