

PCB BOM MP512 (BLUE PCB)

RESISTORS

NUMBER	RESISTANCE	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	
R1,R2	6K98	1%, 0,25W	271-6.98K-RC	Xicon	
R3,R4	619R	1%, 0,25W	271-619-RC	Xicon	
R5	162R	1%, 0,25W	271-162-RC	Xicon	
R6	510R	1%, 0,25W	271-510-RC	Xicon	
R7	10R	5%, 0,5W	293-10-RC	Xicon	
R8	200R	1%, 0,25W	271-200-RC	Xicon	
R9	10K	1%, 0,25W	271-10K-RC	Xicon	
R10	162K	1%, 0,25W	271-162K-RC	Xicon	
R11	1K	1%, 0,25W	271-1K-RC	Xicon	
R12	20K	1%, 0,25W	271-20K-RC	Xicon	
R13	100R	1%, 0,25W	271-100-RC	Xicon	

RESISTORS GAIN SWITCH (ONLY FOR STEPPED GAIN SWITCH)

NUMBER	RESISTANCE	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	
R25	14K7	1%, 0,25W	271-14.7K-RC	Xicon	
R24	4K99	1%, 0,25W	271-4.99K-RC	Xicon	
R23	1K96	1%, 0,25W	271-1.96K-RC	Xicon	
R22	1K24	1%, 0,25W	271-1.24K-RC	Xicon	
R21	787R	1%, 0,25W	271-787-RC	Xicon	
R20	511R	1%, 0,25W	271-511-RC	Xicon	
R19	357R	1%, 0,25W	271-357-RC	Xicon	
R18	249R	1%, 0,25W	271-249-RC	Xicon	
R17	169R	1%, 0,25W	271-169-RC	Xicon	
R16	120R	1%, 0,25W	271-120-RC	Xicon	
R15	82R	1%, 0,25W	271-82-RC	Xicon	

CAPASITORS

NUMBER	CAPASCITANCE	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	Lead Spacing
C1	10uF	20%, 63V	UPS1J100MDD	Nichicon	2.0mm
C2,C3	1000pF	5%, 50V, COG	RCE5C1H102J0A2H03B	Murata Electronics	2.5mm
C3	220pF	5%, 50V, COG	RCE5C1H221J0A2H03B	Murata Electronics	2.5mm
C5	56pF	5%, 50V, COG	RCE5C1H560J0A2H03B	Murata Electronics	2.5mm
C6	0.1uF	10%, 63V	MKSOC031000C00KSSD	WIMA	2.5mm

C7,C8	47uF	20%, 25V	UHE1E470MDD	Nichicon	2.0mm
C11	330uF	20%, 16V	UHE1C331MPD	Nichicon	3.5mm
C12	330uF	20%, 16V	UFG1C331MPM	Nichicon	3.5mm
DIODES					
NUMBER	TYPE	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	Lead Spacing
D1,D2,D1C	1N4004	400V	1N4004		
LED	RED	LED DIODE			3.0mm
TRANSFORMERS					
TYPE	NUMBER	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	
Input	BT1019-PCB	1:10 RATIO	included in kit	AVDAUDIO	
Output	TR2503	1:3 RATIO	included in kit	AVDAUDIO	
OTHERS					
TYPE	RESISTANCE	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	
GAIN RESISTOR	25K	Variable	51CAN-D20-G17L	Bourns	
GAIN RESISTOR	Stepped	Rotary Switches	71ADF30-01-1-AJS	Grayhill	Only for Stepped Gain
T-PAD	500R-1K-500R	Variable	included in kit	AVDAUDIO	
PCB Sockets		6ps	0322-0-15-15-34-27-10-0	Mill-Max	
Pushbutton Switches		3ps	PS909L-22, SPUJ190900	CANAL ELECTRONIC, ALPS	
Cap		3ps	1RBLK, 1RRED, 1RWHT	E-Switch	
JUMPER					
TYPE	RESISTANCE	DESCRIPTION	NOMBER FOR ORDER	MANUFACTURER	
JUMPER for 1:2 or 1:3 OUT		JUMPER	M20-9990346	Harwin	
JUMPER for 1:2 or 1:3 OUT		JUMPER	M7581-05	Harwin	