

# PCB BOM MP312-NEW

## 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	475R	1%, 0,25W	271-475-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	MKS0C031000C00KSSD	WIMA	2.5mm

C7,C8	47uF	20%, 25V	UHE1E470MDD	Nichicon	2.0mm
C11,C12	330uF	20%, 16V	UHE1C331MPD	Nichicon	3.5mm
<b>DIODES</b>					
<i>NUMBER</i>	<i>TYPE</i>	<i>DESCRIPTION</i>	<i>NOMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>Lead Spacing</i>
D1,D2,D1C	1N4004	400V	1N4004		
LED	RED	LED DIODE			3.0mm
<b>TRANSFORMERS</b>					
<i>TYPE</i>	<i>NUMBER</i>	<i>DESCRIPTION</i>	<i>NOMBER FOR ORDER</i>	<i>MANUFACTURER</i>	
Input	TR110-PCB	1:10 RATIO	included in kit	AVDAUDIO	
Output	TR2623	1:2 RATIO	included in kit	AVDAUDIO	
<b>OTHERS</b>					
<i>TYPE</i>	<i>RESISTANCE</i>	<i>DESCRIPTION</i>	<i>NOMBER FOR ORDER</i>	<i>MANUFACTURER</i>	
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	