

PCB BOM for 312-4 Mic Preamp

RESISTORS

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
RESISTOR	4ps	160R	271-160-RC	Xicon	Metal Film Resistors
RESISTOR	4ps	200R	271-200-RC	Xicon	Metal Film Resistors
RESISTOR	4ps	510R	271-510-RC	Xicon	Metal Film Resistors
RESISTOR	8ps	750R	271-750-RC	Xicon	Metal Film Resistors
RESISTOR	4ps	5K1	271-5.1K-RC	Xicon	Metal Film Resistors
RESISTOR	8ps	6K98	271-6.98K-RC	Xicon	Metal Film Resistors
RESISTOR	5ps	10K	271-10K-RC	Xicon	Metal Film Resistors
RESISTOR	4ps	20K	271-20K-RC	Xicon	Metal Film Resistors
RESISTOR	4ps	150K	271-150K-RC	Xicon	Metal Film Resistors

CAPASITORS

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
CAPASITOR	4ps	120pf	RCE5C1H121J0A2H03B	Murata Electronics	CERAMIC CAPACITOR
CAPASITOR	4ps	220pf	RCE5C1H221J0A2H03B	Murata Electronics	CERAMIC CAPACITOR
CAPASITOR	8ps	1000pf	RCE5C1H102J0A2H03B	Murata Electronics	CERAMIC CAPACITOR
CAPASITOR	4ps	10UF	UPS1J100MDD	Nichicon	ELECTROLYTIC CAPACITOR
CAPASITOR	2ps	100UF	UHE1H101MPD	Nichicon	ELECTROLYTIC CAPACITOR
CAPASITOR	4ps	330UF	UHE1C331MPD	Nichicon	ELECTROLYTIC CAPACITOR
CAPASITOR	4ps	470uF	UFG1C471MPM	Nichicon	AUDIO ELECTROLYTIC CAPACITOR

DIODES

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
1N4004	6ps		1N4004	ON Semiconductor (or equivalent)	DIODE

PUSHBUTTON SWITCHES

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
SWITCH	16ps		PS909L-22, SPUJ190900	CANAL ELECTRONIC, ALPS	PUSHBUTTON SWITCHE
CAP	16ps		1RBLK, 1RRED, 1RWHT, 1RLGR	E-Switch	CAP

XLR CONNECTORS

<i>PART</i>	<i>QANTITY</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
INPUT XLR	4ps		NC3FAAH1	Neutrik	XLR CONNECTORS
OUT XLR	4ps		NC3MAAH	Neutrik	XLR CONNECTORS

POTENTIOMETERS

<i>PART</i>	<i>QANTITY</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
GAIN	4ps	25K	included in kit	AVDAUDIO	GAIN POTENTIOMETER
T-PAD	4ps	T-PAD	included in kit	AVDAUDIO	T-PAD ATTENUATOR

TRANSFORMERS

<i>PART</i>	<i>QANTITY</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
INPUT	4ps	TR2622	TR2622 (or equivalent)	AVDAUDIO	INPUT TRANSFORMER
OUTPUT	4ps	TR2503	TR2503 (or equivalent)	AVDAUDIO	OUTPUT TRANSFORMER

OTHERS

<i>PART</i>	<i>QANTITY</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
PCB Sockets	24ps		0322-0-15-15-34-27-10-0	Mill-Max	PCB SOCKET
DOA	4ps	DOA2520 (or equivalent)			
LED	4ps	3mm RED			LED DIODE
LED POWER	1ps	3mm GREEN			LED DIODE

POWER BOARD's Components

RESISTORS

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
RESISTOR	2ps	200R	293-200-RC	Xicon	CARBON FILM RESISTOR
RESISTOR	1ps	150R	271-150-RC	Xicon	METAL FILM RESISTOR
RESISTOR	1ps	1K	271-1K-RC	Xicon	METAL FILM RESISTOR

CAPASITORS

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
CAPACITOR	5ps	u1	RCER71H104K0A2H03B	Murata Electronics	CERAMIC CAPACITOR
CAPACITOR	4ps	100uf	UPJ1E101MED	Nichicon	ELECTROLYTIC CAPACITOR
CAPACITOR	2ps	1000uF	UHE1J102MHD6	Nichicon	ELECTROLYTIC CAPACITOR
CAPACITOR	2ps	4700uF	UVR1V472MHD	Nichicon	ELECTROLYTIC CAPACITOR

VOLTAGE REGULATOR

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
REGULATOR	1ps	LM317	LM317AT/NOPB	Texas Instruments	Linear Voltage Regulator
REGULATOR	1ps	LM337	LM337T/NOPB	Texas Instruments	Linear Voltage Regulator
REGULATOR	1ps	TL783	TL783CKCSE3	Texas Instruments	Linear Voltage Regulator

HEATSINKS

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
HEATSINK	3ps	Heatsink TO-220	HSE-B20254-035H	CUI Inc.	HEATSINK

DIODES

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
DIODE	13ps		1N4004	ON Semiconductor (or equivalent)	DIODE

TRIM RESISTORS

PART	QANTITY	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
TRIM	3ps	5K	3296W-1-502LF	Bourns	Trimmer Resistor

XLR CONNECTORS

<i>PART</i>	<i>QANTITY</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
XLR	2ps	NC4FD-LX	NC4FD-LX	Neutrik	POWER XLR CONNECTOR
XLR	2ps	NC4MXX	NC4MXX	Neutrik	POWER XLR CONNECTOR

HEATSINKS

<i>PART</i>		<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
	3ps	Heatsink TO-220	HSE-B20254-035H	CUI Inc.	HEATSINK

POWER TRANSFORMER

<i>PART</i>		<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
POWER		220/115V-18/18/48V	included in kit	AVDAUDIO	TOROID POWER TRANSFORMER

AMP CONNECTORS

<i>PART</i>		<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
AC_POWER	1ps	220V-115V	RRA22H3FBRNN	TE Connectivity	Rocker Switches
AC_POWER	1ps	220V-115V	719W-00/03	Qualtek	AC Power Entry Modules