

PCB BOM for 1176 rev.D ver.3

CAPASITORS

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
C1	1uF	MKS2B041001C00KSSD	WIMA	CAPACITOR
C2	27pf	RCE5C1H270J0A2H03B	Murata Electronics	CAPACITOR
C3, C6	200pf	C052C201J2G5TA	KEMET	CAPACITOR
C4, C5, C12, C21, C28	100uF	UHE1H101MPD	Nichicon	CAPACITOR
C7, C10, C17	1uf	ULD1H010MDD1TD	Nichicon	CAPACITOR
C8	0.15uF	MKS2C031501A00JSSD	WIMA	CAPACITOR
C9, C22	.22uF	MKS2C032201B00KI00	WIMA	CAPACITOR
C11	10pf	RDE5C1H100J0K1H03B	Murata Electronics	CAPACITOR
C13	270pF	RCE5C1H271J0K1H03B	Murata Electronics	CAPACITOR
C14	0.033uF	MKS2D023301A00JSSD	WIMA	CAPACITOR
C15	0.0047uf	FKS2D014701A00KSSD	WIMA	CAPACITOR
C18	47uF	UFW1J470MED	Nichicon	CAPACITOR
C19, C20	6.8uF	TAP685K035CCS	AVX	CAPACITOR
C23	6.8uF	UKL1H6R8KDDANA	Nichicon	CAPACITOR
C24, C25, C26	2200uF	UHE1H222MHD6	Nichicon	CAPACITOR
C27	0.022uf	MKS2D022201A00KSSD	WIMA	CAPACITOR

DIODES

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
CR1	1N914	1N914	ON Semiconductor / Fairchild	DIODE
CR2, CR3	FDH333	FDH333	ON Semiconductor / Fairchild	DIODE
CR6	1N4740A	1N4740A	ON Semiconductor / Fairchild	Z DIODE
CR7, CR8, CR9, CR10	1N4003	1N4003G	ON Semiconductor	DIODE

TRANSISTORS

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
Q1,Q11	2N5457	2N5457 (MATCHED PAIR)	Central Semiconductor	TRANSISTOR
Q2,Q3,Q4,Q14	2N3391	2N3391	Central Semiconductor	TRANSISTOR

Q5,Q7,Q8,Q9,Q10,Q12,Q13	2N3707	2N3707	Central Semiconductor	TRANSISTOR
Q6	2N3053	2N3053	Central Semiconductor	TRANSISTOR
RESISTORS				
<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
R32	39R	271-39-RC	Xicon	RESISTOR
R11	82R	271-82-RC	Xicon	RESISTOR
R58,R85	150R	271-150-RC	Xicon	RESISTOR
R18, R50,R84	180R	271-180-RC	Xicon	RESISTOR
R89	220R	271-220-RC	Xicon	RESISTOR
R4,R41	270R	271-270-RC	Xicon	RESISTOR
R54,R61	470R	271-470-RC	Xicon	RESISTOR
R33,R62	560R	271-560-RC	Xicon	RESISTOR
R73	680R	271-680-RC	Xicon	RESISTOR
R8,R12,R81,R82	1K	271-1K-RC	Xicon	RESISTOR
R27,R63,R64,R68,R69,R72	1K5	271-1.5K-RC	Xicon	RESISTOR
R40,R49	2K4	271-2.4K-RC	Xicon	RESISTOR
R16	3K6	271-3.6K-RC	Xicon	RESISTOR
R60,R67	3K9	271-3.9K-RC	Xicon	RESISTOR
R39,R51,R70	4K7	271-4.7K-RC	Xicon	RESISTOR
R15,R17	6K8	271-6.8K-RC	Xicon	RESISTOR
R48	7K68	271-7.68K-RC	Xicon	RESISTOR
R34,R76,R77	8K2	271-8.2K-RC	Xicon	RESISTOR
R10,R31,R35,R66	10K	271-10K-RC	Xicon	RESISTOR
R79	15K	271-15K-RC	Xicon	RESISTOR
R14	22K	271-22K-RC	Xicon	RESISTOR
R5,R28	27K	271-27K-RC	Xicon	RESISTOR
R43	38K3	271-38.3K-RC	Xicon	RESISTOR
R47	44K2	271-44.2K-RC	Xicon	RESISTOR
R22, R38, R46, R52,R53	47K	271-47K-RC	Xicon	RESISTOR
R20,R21,R78	56K	271-56K-RC	Xicon	RESISTOR
R19,R26	68K	271-68K-RC	Xicon	RESISTOR
R30	150K	271-150K-RC	Xicon	RESISTOR
R42	182K	271-182K-RC	Xicon	RESISTOR

R57	270K	271-270K-RC	Xicon	RESISTOR
R37	470K	271-470K-RC	Xicon	RESISTOR
R9	560K	271-560K-RC	Xicon	RESISTOR
R13,R36	1M	271-1.0M-RC	Xicon	RESISTOR
R29	1M2	291-1.2M-RC	Xicon	RESISTOR
R6,R7	2M2	271-2.2M-RC	Xicon	RESISTOR
R24,R25,R74	2M7	291-2.7M-RC	Xicon	RESISTOR
R65	3M9	291-3.9M-RC	Xicon	RESISTOR
R45	10M	291-10M-RC	Xicon	RESISTOR
R87	1K1/1W	294-1.1K-RC	Xicon	RESISTOR
R_VU_LED		MUST CHECK RESISTANCE!!!		

TRIM RESISTORS

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
R86	100R	PV36W101C01B00	Bourns	TRIMM RESISTOR
R75	2K	PV36W202C01B00	Bourns	TRIMM RESISTOR
R59	2K	PV36W202C01B00	Bourns	TRIMM RESISTOR
R44	1k	PV36W102C01B00	Bourns	TRIMM RESISTOR
R71	2K	PV36W202C01B00	Bourns	TRIMM RESISTOR

VOLTAGE REGULATOR

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
VR1	24V	MC7824CTG	ON Semiconductor	VOLTAGE REGULATOR

HEATSINKS

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
KK1	Heatsink TO-05	578305B00000G	Aavid Thermalloy	HEATSINK
KK2	Heatsink TO-220	HSE-B20254-035H	CUI Inc.	HEATSINK

KNOBS

PART	VALUE	NUMBER FOR ORDER	MANUFACTURER	DESCRIPTION
Knobs small		PKG50B1/4 or PKG70B1/4	TE Connectivity	
Knobs large		PKS90B1/4	TE Connectivity	

POTENTIOMETERS

<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
ATTACK	25K	RV24A02F-10-15S1-B25K-LA	Alpha	POTENTIOMETER
REALISE	5M	RV24AF-10-15R1-B5M-3LA	Alpha	POTENTIOMETER
OUTPUT	250K	RV24AF-10-15R1-A250K-3LA	Alpha	POTENTIOMETER
INPUT	600Ohm T-Pad	Included in kit	AVDAUDIO	POTENTIOMETER

TRANSFORMERS

<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
INPUT	BT0115-PCB	Included in kit	AVDAUDIO	TRANSFORMER
OUTPUT	TR5002	Included in kit	AVDAUDIO	TRANSFORMER

XLR CONNECTORS

<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
INPUT XLR		NC3FD-LX	Neutrik	
OUT XLR		NC3MD-LX	Neutrik	

AMP CONNECTORS

<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
TO GAIN REDUCTION BOARD		282834-7	TE Connectivity	
TO RATIO BOARD		282834-6	TE Connectivity	
ON RATIO BOARD		282834-6	TE Connectivity	
ON GAIN REDUCTION BOARD		282834-4	TE Connectivity	

<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
AC_POWER		284392-3	TE Connectivity	AMP connector
R55(ATTACK)		284392-3	TE Connectivity	AMP connector
R56(RELEASE)		284392-3	TE Connectivity	AMP connector
R23(OUTPUT)		284392-3	TE Connectivity	AMP connector
OUTPUT		284392-3	TE Connectivity	AMP connector
INPUT		284392-3	TE Connectivity	AMP connector
OUTPUT_TRANSFORMER		1727094	Phoenix Contact	AMP connector
VU_METER		284392-2	TE Connectivity	AMP connector
VU_LED		282834-2	TE Connectivity	AMP connector

SWITCH ACTUATORS

<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
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Switch Actuators (8ps.)		F1501		
JUMPERS				
<i>PART</i>	<i>VALUE</i>	<i>NUMBER FOR ORDER</i>	<i>MANUFACTURER</i>	<i>DESCRIPTION</i>
TP1		M20-9990346	Harwin	JUMPER
TP1		M7581-05	Harwin	JUMPER