

MAX Audio Processor Parts sorted by Component

Version 510 Compiled on 2023-11-18 R. Maxwell W8KHK

Function	Device	Number	Value	Component Details	Special Instructions	Conditional Install
Input	c	1	.001u			
Input	c	2	.001u			
Input	c	3	.001u			
Input	c	4	.001u		plus 4 on rectifier board	
Input	c	5	200p			
Input	c	6	200p			
Input	c	7	200p			
Input	c	8	47u	or 22 uf		
Input	c	9	47u	or 22 uf		
Input	c	10	4.7u			
Input	c	11	470p			
LowCut	c	21	.047u	mylar		
LowCut	c	22	.047u	mylar		
Phase Rotator	c	61	.047u	mylar		
Phase Rotator	c	62	.047u	mylar		
Phase Rotator	c	63	.047u	mylar		
Phase Rotator	c	64	.047u	mylar		
Phase Rotator	c	65	.047u	mylar		
Phase Rotator	c	66	.047u	mylar		
Phase Rotator	c	67	.047u	mylar		
Phase Rotator	c	68	.047u	mylar		
Phase Rotator	c	69	4.7u			
Pre-Emphasis	c	91	.1u	mylar		
Compressor	c	103	.01u	mylar		
Compressor	c	104	22u			
Compressor	c	105	100u			
Bandwidth Clock	c	121	.001u	mylar		
Bandwidth Clock	c	122	.01u	mylar		
Bandwidth Clock	c	123	.0015u	mylar		

Peak Control	c	131 .1u	
Peak Control	c	132 .1u	
Peak Control	c	133 .0047u	mylar
Peak Control	c	134 4.7u	
SCAF Filter	c	142 10u	
SCAF Filter	c	143 10u	
SCAF Filter	c	144 .001u	mylar
Level Indicator	c	151 1u	or 4.7 uf
Level Indicator	c	152 4.7u	
Level Indicator	c	153 4.7u	
Level Indicator	c	154 .1u	
Level Indicator	c	155 4.7u	
Level Indicator	c	156 .1u	
Output	c	181 33p	
Output	c	182 33p	
Output	c	183 33p	
Output	c	184 33p	
Output	c	201 33p	
Output	c	202 33p	
Output	c	203 33p	
Output	c	204 33p	
Power	c	301 3300u	
Power	c	302 3300u	plus 2 on rectifier board
Power	c	303 100u	
Power	c	304 100u	
Power	c	306 .1u	
Power	c	307 .1u	
Power	c	308 100u	
Power	c	309 100u	
Power	c	310 100u	
Power	c	311 100u	
Power	c	312 .1u	
Power	c	313 .1u	
Compressor	c	101en 22u	

Compressor	c	101ep	22u	
Compressor	c	101n	.1u	
Compressor	c	101p	.1u	
Compressor	c	102n	.1u	
Compressor	c	102p	.1u	
Input	c	11en	22u	
Input	c	11ep	22u	
Input	c	11n	.1u	
Input	c	11p	.1u	
Bandwidth Clock	c	121ep	47u	or 22 uf
Bandwidth Clock	c	121p	.1u	
Input	c	12en	22u	
Input	c	12ep	22u	
Input	c	12n	.1u	
Input	c	12p	.1u	
SCAF Filter	c	141en	22u	
SCAF Filter	c	141ep	22u	
SCAF Filter	c	141n	.1u	
SCAF Filter	c	141p	.1u	
SCAF Filter	c	142n	.1u	
SCAF Filter	c	142p	.1u	
Level Indicator	c	151n	.1u	
Level Indicator	c	151p	.1u	
Level Indicator	c	152ep	22u	
Level Indicator	c	152p	.1u	
Output	c	181n	.1u	
Output	c	181p	.1u	
Output	c	201n	.1u	
Output	c	201p	.1u	
LowCut	c	21en	22u	
LowCut	c	21ep	22u	
LowCut	c	21n	.1u	
LowCut	c	21p	.1u	
Phase Rotator	c	61en	22u	

Phase Rotator	c	61ep	22u		
Phase Rotator	c	61n	.1u		
Phase Rotator	c	61p	.1u		
Phase Rotator	c	62n	.1u		
Phase Rotator	c	62p	.1u		
Phase Rotator	c	63n	.1u		
Phase Rotator	c	63p	.1u		
Phase Rotator	c	64n	.1u		
Phase Rotator	c	64p	.1u		
Pre-Emphasis	c	93a	.02u	mylar	
Pre-Emphasis	c	93b	.02u	Optional mylar	optional
Pre-Emphasis	c	94a	.002u	mylar	
Pre-Emphasis	c	94b	.002u	Optional mylar	optional
Compressor	d	101	1n914		
Compressor	d	102	1n914		
Compressor	d	103	1n914		
Level Indicator	d	151	1n914		
Level Indicator	d	152	1n914		
Level Indicator	d	153	1n914		
Level Indicator	d	154	1n914		
Level Indicator	d	155	1n4007		
Power	d	301	1n4007		
Power	d	302	1n4007		
Power	d	303	1n4007		
Power	d	304	1n4007		
Power	d	305	1n4007		
Power	d	306	1n4007		
Power	d	307	1n4007		
Power	d	308	1n4007		
Power	d	309	1n4007		
Power	d	310	1n4007		
Power	d	311	1n4007		
Power	d	312	1n4007	plus 4 on rectifier board	
Compressor	q	101	2n3819		

Compressor	q	102	2n3906			
Compressor	q	103	2n3906			
Peak Control	q	131	2n3904			
Peak Control	q	132	2n3904			
Peak Control	q	133	2n3906			
Peak Control	q	134	2n3906			
Peak Control	q	135	2n3906			
Level Indicator	q	151	2n3906			
Level Indicator	q	152	2n3906			
Level Indicator	q	153	2n3906			
Level Indicator	q	154	2n3906			
Level Indicator	q	155	2n3904			
Input	r	1	470			
Compressor	r	1	4.7k	On Panel for Density		optional
Input	r	2	470			
Input	r	3	10k			
Input	r	4	4.7k			
Input	r	5	4.7k			
Input	r	6	4.7k			
Input	r	7	4.7k			
Input	r	8	1.5k			
Input	r	9	1.5k			
Input	r	10	v10k	Line Level	trim and/or panel pot	optional
Input	r	11	33			
Input	r	12	v10k	Mic Level	trim and/or panel pot	optional
Input	r	13	10k			
Input	r	14	1k			
Input	r	15	47k			
Input	r	16	v100	Must be on PC board!	gain trim pot	optional
Input	r	17	100			
Input	r	18	100			
LowCut	r	23	27k			
LowCut	r	24	27k			
Phase Rotator	r	61	10k			

Phase Rotator	r	62 10k
Phase Rotator	r	63 10k
Phase Rotator	r	64 10k
Phase Rotator	r	65 10k
Phase Rotator	r	66 10k
Phase Rotator	r	67 10k
Phase Rotator	r	68 10k
Phase Rotator	r	69 10k
Phase Rotator	r	70 10k
Phase Rotator	r	71 10k
Phase Rotator	r	72 10k
Phase Rotator	r	73 10k
Phase Rotator	r	74 10k
Phase Rotator	r	75 10k
Phase Rotator	r	76 10k
Phase Rotator	r	77 10k
Phase Rotator	r	78 10k
Phase Rotator	r	79 10k
Phase Rotator	r	80 10k
Phase Rotator	r	81 10k
Phase Rotator	r	82 10k
Phase Rotator	r	83 10k
Phase Rotator	r	84 10k
Phase Rotator	r	85 100k
Pre-Emphasis	r	91 10k
Pre-Emphasis	r	92 1k
Pre-Emphasis	r	93 10k
Pre-Emphasis	r	94 15k
Pre-Emphasis	r	95 10k
Compressor	r	101 20K
Compressor	r	102 1k
Compressor	r	103 10k
Compressor	r	106 4.7k
Compressor	r	107 4.7k

Compressor	r	108	4.7k	or 10k trim pot		optional
Compressor	r	108	v10k	or 4.7k Limiter Drive	trim pot	optional
Compressor	r	109	47k			
Compressor	r	111	1m			
Compressor	r	112	1m			
Compressor	r	113	470k			
Compressor	r	114	1m			
Compressor	r	115	33k			
Compressor	r	116	10k			
Bandwidth Clock	r	121	1.5k			
Bandwidth Clock	r	122	470			
Bandwidth Clock	r	123	v10k	SCAF Clock trim pot	ignore schematic values	
Bandwidth Clock	r	124	v25k	SCAF Clock trim pot	or 20k trim pot	clock kit
Bandwidth Clock	r	125	v10k	SCAF Clock trim pot	ignore schematic values	
Peak Control	r	130	v100	Positive Peak Limit +100%		
Peak Control	r	131	1k			
Peak Control	r	132	47k			
Peak Control	r	133	470			
Peak Control	r	134	470			
Peak Control	r	135	470			
Peak Control	r	136	4.7k			
Peak Control	r	137	4.7k			
Peak Control	r	138	1k			
Peak Control	r	139	100			
Peak Control	r	140	v1k	Negative Peak Limit 2		
SCAF Filter	r	141	4.7k			
SCAF Filter	r	142	4.7k			
SCAF Filter	r	144	100k			
SCAF Filter	r	145	2.2k			
SCAF Filter	r	146	6.8k			
SCAF Filter	r	147	4.7k			
Level Indicator	r	150	2.2k			
Level Indicator	r	151	100k			
Level Indicator	r	152	4.7k			

Level Indicator	r	153 4.7k			
Level Indicator	r	154 1k			
Level Indicator	r	155 1k			
Level Indicator	r	156 10k			
Level Indicator	r	157 10k			
Level Indicator	r	158 47k			
Level Indicator	r	159 10k			
Level Indicator	r	160 2.2k			
Level Indicator	r	161 1m			
Level Indicator	r	162 10k			
Level Indicator	r	163 100k			
Level Indicator	r	164 4.7k			
Level Indicator	r	165 4.7k			
Level Indicator	r	166 4.7k			
Level Indicator	r	167 4.7k			
Level Indicator	r	168 4.7k			
Level Indicator	r	169 2.7k			
Level Indicator	r	170 2.7k			
Level Indicator	r	171 1k			
Level Indicator	r	172 4.7k			
Level Indicator	r	173 4.7k			
Level Indicator	r	174 10k			
Output	r	181 v10k	Output Level Adjust	trim or panel pot	optional
Output	r	182 20k			
Output	r	183 20k			
Output	r	184 10k			
Output	r	185 20k			
Output	r	186 20k			
Output	r	187 20k			
Output	r	188 20k			
Output	r	189 47			
Output	r	190 47			
Output	r	201 v10k	Output Level Adjust	trim or panel pot	optional
Output	r	202 20k			

Output	r	203	20k
Output	r	204	10k
Output	r	205	20k
Output	r	206	20k
Output	r	207	20k
Output	r	208	20k
Output	r	209	47
Output	r	210	47
Input	r	011n	100
Input	r	011p	100
Input	r	012n	100
Input	r	012p	100
LowCut	r	021n	100
LowCut	r	021p	100
Phase Rotator	r	061n	47
Phase Rotator	r	061p	47
Compressor	r	101n	47
Compressor	r	101p	47
Bandwidth Clock	r	121p	10
SCAF Filter	r	141n	10
SCAF Filter	r	141p	10
Level Indicator	r	151p	10
RectifierFilter	RFc	1	.001uf
RectifierFilter	RFc	2	.001uf
RectifierFilter	RFc	3	.001uf
RectifierFilter	RFc	4	.001uf
RectifierFilter	RFc	5	.001uf
RectifierFilter	RFc	6	.001uf
RectifierFilter	RFc	7	3300uf
RectifierFilter	RFc	8	3300uf
RectifierFilter	RFd	1	1n4007
RectifierFilter	RFd	2	1n4007
RectifierFilter	RFd	3	1n4007
RectifierFilter	RFd	4	1n4007

Input	u	11	ne5532	or LF-353 or TL-082
Input	u	12	ssm-2019	
Pre-Emphasis	u	21	ne5532	or LF-353 or TL-082
Phase Rotator	u	61	ne5532	or LF-353 or TL-082
Phase Rotator	u	62	ne5532	or LF-353 or TL-082
Phase Rotator	u	63	ne5532	or LF-353 or TL-082
Phase Rotator	u	64	ne5532	or LF-353 or TL-082
Compressor	u	101	ne5532	or LF-353 or TL-082
Compressor	u	102	ne5532	or LF-353 or TL-082
Bandwidth Clock	u	121	ne555	
SCAF Filter	u	141	max295	
SCAF Filter	u	142	max295	
Level Indicator	u	151	ne5532	or LF-353 or TL-082
Level Indicator	u	152	lm339	
Output	u	181	ne5532	or LF-353 or TL-082
Output	u	201	ne5532	or LF-353 or TL-082
Power	u	301	7812	
Power	u	302	7912	
Power	u	303	7805	
Power	u	304	7905	

Miscellaneous and off-board components

Enclosure	1U Rack, or Small Desktop or Medium Desktop
Processor board	rev 520
Power supply bd	rectifier and filter assembly
Front Dress Panel	1U Rack, Small Desktop, Medium Desktop style 1 or style 2
FPI Interface board	1U rack without pots, 1U rack with pots, Small Desktop, Medium Desktop style 1 or style 2
Power transformer	
Fuse and fuse holder	
IEC connector/filter	
LEDS for panel	1 yellow, 1 green, 2 blue, three red

Panel Pots	2 or 4 10K log taper, 6 cm shaft diameter
Knobs for pots	2 or 4, 1/2" or 1" diameter, 6 cm shaft diameter
Switches	8 SPDT standard, 2 SPDT center-off (for density and bandwidth)
IC Sockets	15 eight-pin, 1 fourteen pin
Audio Connectors	4 XLR 2 male, 2 female, or 4 1/4" TRS phone jacks
Berg Pin Headers	2 sets 40 straight, 2 sets 40 right-angle, 2 sets, 40 female
dupont wires	6 sets of two, 200 mm M-F for audio in and out interconnects
ribbon cable, power	1 each 4-wide ribbon, connect rect/filter board to main board
berg jumpers	10 each, 2.56 mm push-on insulated jumpers
AC Wiring HW	Spade and screw lugs for IEC connector and ground wire
M3 HW	8 screws, 8 washers, 24 nuts for mounting main and power PC boards
4-40 HW	12 screws, 12 nuts, for mounting power and audio connectors
6-32 HW	2 screws, 2 washers, 2 lock-nuts for mounting power transformer