

MAX Audio Processor Parts sorted by Value

Version 510 and 520 Compiled on 2024-01-13 R. Maxwell W8KHK

Function	Device	Number	Value	Component Details
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	
Input	c		5 200p	
Input	c		6 200p	
Input	c		7 200p	
Input	c		11 470p	
Input	c		1 .001u	
Input	c		2 .001u	
Input	c		3 .001u	
Input	c		4 .001u	
Bandwidth Clock	c		121 .001u	mylar
SCAF Filter	c		144 .001u	mylar
Bandwidth Clock	c		123 .0015u	mylar
Pre-Emphasis	c	94a	.002u	mylar
Pre-Emphasis	c	94b	.002u	Optional mylar
Peak Control	c		133 .0047u	mylar
Compressor	c		103 .01u	mylar
Bandwidth Clock	c		122 .01u	mylar
Pre-Emphasis	c	93a	.02u	mylar
Pre-Emphasis	c	93b	.02u	Optional mylar
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
Pre-Emphasis	c	91	.1u	mylar
Peak Control	c	131	.1u	
Peak Control	c	132	.1u	
Level Indicator	c	154	.1u	
Level Indicator	c	156	.1u	
Power	c	306	.1u	
Power	c	307	.1u	
Power	c	312	.1u	
Power	c	313	.1u	
Compressor	c	101n	.1u	
Compressor	c	101p	.1u	
Compressor	c	102n	.1u	
Compressor	c	102p	.1u	
Input	c	11n	.1u	
Input	c	11p	.1u	
Bandwidth Clock	c	121p	.1u	
Input	c	12n	.1u	
Input	c	12p	.1u	
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	152p	.1u	
Output	c	181n	.1u	
Output	c	181p	.1u	

Output	c	201n	.1u	
Output	c	201p	.1u	
LowCut	c	21n	.1u	
LowCut	c	21p	.1u	
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	
Level Indicator	c	151	1u	or 4.7 uf
Input	c	10	4.7u	
Phase Rotator	c	69	4.7u	
Peak Control	c	134	4.7u	
Level Indicator	c	152	4.7u	
Level Indicator	c	153	4.7u	
Level Indicator	c	155	4.7u	
SCAF Filter	c	142	10u	
SCAF Filter	c	143	10u	
Compressor	c	104	22u	
Compressor	c	101en	22u	
Compressor	c	101ep	22u	
Input	c	11en	22u	
Input	c	11ep	22u	
Input	c	12en	22u	
Input	c	12ep	22u	
SCAF Filter	c	141en	22u	
SCAF Filter	c	141ep	22u	
Level Indicator	c	152ep	22u	
LowCut	c	21en	22u	
LowCut	c	21ep	22u	
Phase Rotator	c	61en	22u	

Phase Rotator	c	61ep	22u	
Input	c		8 47u	or 22 uf
Input	c		9 47u	or 22 uf
Bandwidth Clock	c	121ep	47u	or 22 uf
Compressor	c		105 100u	
Power	c		303 100u	
Power	c		304 100u	
Power	c		308 100u	
Power	c		309 100u	
Power	c		310 100u	
Power	c		311 100u	
Power	c		301 3300u	
Power	c		302 3300u	
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	
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	
Compressor	q		101 2n3819	

Peak Control	q	131	2n3904
Peak Control	q	132	2n3904
Level Indicator	q	155	2n3904
Compressor	q	102	2n3906
Compressor	q	103	2n3906
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
Bandwidth Clock	r	121p	10
SCAF Filter	r	141n	10
SCAF Filter	r	141p	10
Level Indicator	r	151p	10
Input	r	11	33
Output	r	189	47
Output	r	190	47
Output	r	209	47
Output	r	210	47
Phase Rotator	r	061n	47
Phase Rotator	r	061p	47
Compressor	r	101n	47
Compressor	r	101p	47
Input	r	17	100
Input	r	18	100
Peak Control	r	139	100
Input	r	011n	100
Input	r	011p	100
Input	r	012n	100
Input	r	012p	100
LowCut	r	021n	100
LowCut	r	021p	100

Input	r	1	470	
Input	r	2	470	
Bandwidth Clock	r	122	470	
Peak Control	r	133	470	
Peak Control	r	134	470	
Peak Control	r	135	470	
Input	r	14	1k	
Pre-Emphasis	r	92	1k	
Compressor	r	102	1k	
Peak Control	r	131	1k	
Peak Control	r	138	1k	
Level Indicator	r	154	1k	
Level Indicator	r	155	1k	
Level Indicator	r	171	1k	
Input	r	8	1.5k	
Input	r	9	1.5k	
Bandwidth Clock	r	121	1.5k	
SCAF Filter	r	145	2.2k	
Level Indicator	r	150	2.2k	
Level Indicator	r	160	2.2k	
Level Indicator	r	169	2.7k	
Level Indicator	r	170	2.7k	
Compressor	r	1	4.7k	On Panel for Density
Input	r	4	4.7k	
Input	r	5	4.7k	
Input	r	6	4.7k	
Input	r	7	4.7k	
Compressor	r	106	4.7k	
Compressor	r	107	4.7k	
Compressor	r	108	4.7k	or 10k trim pot
Peak Control	r	136	4.7k	
Peak Control	r	137	4.7k	
SCAF Filter	r	141	4.7k	
SCAF Filter	r	142	4.7k	

SCAF Filter	r	147 4.7k
Level Indicator	r	152 4.7k
Level Indicator	r	153 4.7k
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	172 4.7k
Level Indicator	r	173 4.7k
SCAF Filter	r	146 6.8k
Input	r	3 10k
Input	r	13 10k
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
Pre-Emphasis	r	91 10k
Pre-Emphasis	r	93 10k
Pre-Emphasis	r	95 10k
Compressor	r	103 10k
Compressor	r	116 10k
Level Indicator	r	156 10k
Level Indicator	r	157 10k
Level Indicator	r	159 10k
Level Indicator	r	162 10k
Level Indicator	r	174 10k
Output	r	184 10k
Output	r	204 10k
Pre-Emphasis	r	94 15k
Compressor	r	101 20K
Output	r	182 20k
Output	r	183 20k
Output	r	185 20k
Output	r	186 20k
Output	r	187 20k
Output	r	188 20k
Output	r	202 20k
Output	r	203 20k
Output	r	205 20k
Output	r	206 20k
Output	r	207 20k
Output	r	208 20k
Compressor	r	115 33k
Input	r	15 47k
Compressor	r	109 47k

Peak Control	r	132 47k	
Level Indicator	r	158 47k	
Phase Rotator	r	85 100k	
SCAF Filter	r	144 100k	
Level Indicator	r	151 100k	
Level Indicator	r	156 100k	
Level Indicator	r	163 100k	
Compressor	r	113 470k	
Compressor	r	111 1m	
Compressor	r	112 1m	
Compressor	r	114 1m	
Level Indicator	r	161 1m	
Input	r	16 v100	Must be on PC board!
Peak Control	r	130 v100	Positive Peak Limit +100%
Peak Control	r	140 v1k	Negative Peak Limit 2
Input	r	10 v10k	Line Level
Input	r	12 v10k	Mic Level
Compressor	r	108 v10k	or 4.7k Limiter Drive
Bandwidth Clock	r	123 v10k	SCAF Clock trim pot
Bandwidth Clock	r	125 v10k	SCAF Clock trim pot
Output	r	181 v10k	Output Level Adjust
Output	r	201 v10k	Output Level Adjust
Bandwidth Clock	r	124 v25k	SCAF Clock trim pot
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
Power	u	303	7805
Power	u	301	7812
Power	u	304	7905
Power	u	302	7912
Level Indicator	u	152	lm339
SCAF Filter	u	141	max295
SCAF Filter	u	142	max295
Input	u	11	ne5532
Pre-Emphasis	u	21	ne5532
Phase Rotator	u	61	ne5532
Phase Rotator	u	62	ne5532
Phase Rotator	u	63	ne5532
Phase Rotator	u	64	ne5532
Compressor	u	101	ne5532
Compressor	u	102	ne5532
Level Indicator	u	151	ne5532
Output	u	181	ne5532
Output	u	201	ne5532
Bandwidth Clock	u	121	ne555
Input	u	12	ssm-2019

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