

MAX Audio Processor Parts Bill of Materials (BOM)  
 Version 500 Compiled on 2023-05-26 R. Maxwell W8KHK

Capacitors:

QTY	Value	QTY	Value	Notes
c	33p	4	33 disc	
c	47p	1	47 disc	47 or 50 pf ok
c	200p	3	200 disc	200, 220, 250, 270 pf ok
c	470p	1	470 disc or mylar	470 or 500 pf ok
c	.001u	1	1000 mylar	1000 or 1200 pf ok
v	.001u	15	1000 disc	6 in power rectifier filter module
c	.0015u	1	1500 mylar	Use this value to set SCAF Clock Freq
c	.002u	2	2000 mylar	1800, 2000, 2200 pf ok
c	.0047u	1	4700 mylar	
c	.01u	2	10000 mylar	
c	.02u	2	20000 mylar	
c	.047u	8	47000 mylar	
c	.082u	2	82000 mylar	
c	.1u	1	100000 mylar	
c	.1u	37	100000 disc	
c	1u	1	1000000 electrolytic	1uF or 4.7 uF ok
c	4.7uF	5	4700000 electrolytic	
c	10u	6	10000000 electrolytic	
c	22u	14	22000000 electrolytic	22 uF or 47 uF ok
c	47uF	3	47000000 electrolytic	22 uF or 47 uF ok
c	100u	7	100000000 electrolytic	
c	3300uf	2	3300000000 electrolytic	In power rectifier filter module

Notes:

Diodes:

d	1n4007	17	1n4007	4 in power rectifier filter module
d	1n914	10	1n914	

Transistors:

q	2n3819	1	2n3819
q	2n3904	2	2n3904
q	2n3906	7	2n3906

Resistors:

r	10	5	10
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r	47	6	47
6	68	1	68
r	100	6	100
r	470	5	470
r	1k	10	1000
r	1.5k	3	1500
r	2.2k	3	2200
r	2.7k	2	2700
r	3.0k	2	3000
r	3.6k	1	3600
r	4.7k	25	4700
r	5.2k	1	5200
r	6.2k	1	6200
r	6.8k	1	6800
r	8.2k	1	8200
r	9.1k	1	9100
r	10k	40	10000
r	15k	2	15000
r	20k	6	20000
r	27k	2	27000
r	33k	1	33000
r	47k	3	47000
r	68k	2	68999
r	100k	8	100000
r	470k	1	470000
r	1m	4	1000000

Variable Resistors and Trim-Pots:

Value code on trim pots: 501, 102, 502, 103, 253, 503

r	v500	1 v00500	trim pot	Optional for Mic Level Trim
r	v1k	1 v01000	trim pot	Optional for Level Indicator Bal
r	v5k	2 v05000	trim pot	
r	v10k	6 v10000	trim pot	Not all will be used
r	v10k	2 or 4 v10000	panel pot	Count depends upon panel style ordered
r	v25k	1 v25000	trim pot	
r	v50k	1 v50000	trim pot	25K or 50K ok

Integrated Circuits:

u	7805	1	7805
u	7812	1	7812
u	7905	1	7905
u	7912	1	7912
u	lm339	1	lm339
u	max295	2	max295
u	ne5532	10	ne5532
u	ne555	1	ne555
u	ssm-2019	1	ssm-2019

Not listed above:

LEDs	7	
Switches	10	
Ribbon Cables	6	
JST connectors	4	
JST cables	4	
Berg Headers	200 pins	5 sticks of 40
Berg Jumpers	16	
XLR Connectors	3	
Mounting Hardware		
Knobs	2 or 4	

Printed Circuit Boards:

- Main Processor PC Board
- Power Supply PC Board
- Front Dress Panel PC Board
- Front Panel Interconnect PC Board

Optional:

Enclosure and Top Cover

Not Included in Kit:

Power Connector

Terminal Strips

Line Filter

Fuse

Power Transformer

The following parts (listed above) will be in the Clock Kit envelope:

r	2.2k	1	2200		
r	3.0k	2	3000		
r	3.6k	1	3600		
r	4.7k	1	4700		
r	5.2k	1	5200		
r	6.2k	1	6200		
r	6.8k	1	6800		
r	6.2k	1	6200		
r	8.2k	1	8200		
r	15k	2	15000	Value code on trim pots:	
r	v5k	1	v05000	trim pot	502
r	v10k	3	v10000	trim pot	103
r	v25k	1	v25000	trim pot	253