

Jurgen Haible Polymoog Resonator Parts List
MOTM 4 Pin Power (no local power regulation)

Qty	Description	Mouser P/N	Comments
PCB COMPONENTS			
Semiconductors			
1	OPA604	595-OPA604AP	can substitute TL071 595-TL071BCP
6	MC1458	595-MC1458P	
1	UA741	595-UA741CP	
1	CD4016	595-CD4016BEE4	
SMT Capacitors; 0805			
10	100nF	80-C0805C104K5R	
Electrolytic Capacitors			
3	10uF 35V	140-LLRL35V10-RC	4 mm diameter; 2.5 mm lead spacing
Ceramic Capacitors			
1	100pF	80-C315C101K1G	2.5 mm lead spacing
Polyester Capacitors; Wima MKS, Siemens MKT or similar			
2	220nF	505-MKS20.22/63/10	5 mm lead spacing
Polyester Capacitors; 2%			
2	2.7 nF	140-PF2A272F	3.5 mm lead spacing; spread to fit 5mm
2	12 nF	140-PF2A123F	3.5 mm lead spacing; spread to fit 5mm
2	68 nF	140-PF2A683F	7.5 mm lead spacing
Resistors; 1/4W 1% metal film			
3	470R	271-470-RC	
3	620R	271-620-RC	
1	1K	271-1K-RC	
6	2K4	271-2.4K-RC	
2	4K7	271-4.7K-RC	
2	8K2	271-8.2K-RC	
8	10K	271-10K-RC	
18	22K	271-22K-RC	
1	47K	271-47K-RC	
1	56K	271-56K-RC	
1	62K	271-62K-RC	
17	100K	271-100K-RC	
1	130K	271-130K-RC	
1	1M	271-1.0M-RC	
Connectors			
11	2 pin MTA header	571-6404542	0.100 spacing
7	3 pin MTA header	571-6404543	0.100 spacing
1	5 pin MTA header	571-6404545	0.100 spacing
1	4 pin MTA header	571-6404454	0.156 spacing
Sockets			
6	8 pin DIP socket	517-4808-3000-CP	socket MC1458 lcs
PANEL COMPONENTS			
2	1/4" jacks	502-112AX	use Bridechamber for lower cost alternative
3	10K dual potentiometer	531-PC16DC-10K	Oakley Sound Vishay alternative
5	10K log potentiometer	531-PC16SC-100K	parallel with 12K resistor for log; Oakley Sound BI Technologies alternative
3	10K lin potentiometer	531-PC16SC-10K	Oakley Sound BI Technologies alternative
1	1P4T rotary switch	105-13571	
12	0.75" Knobs	506-PKES60B1/4	Use RadioShack 274-415 for lower cost alternative
11	2 pin MTA connector	571-3-640441-2	
11	2 pin MTA dust cover	571-6405502	
7	3 pin MTA connector	571-3-640441-3	
7	3 pin MTA dust cover	571-6405503	
1	5 pin MTA connector	571-3-640441-5	
1	5 pin MTA dust cover	571-6405505	
2	4 pin MTA connector	571-3-640426-4	power cable
2	4 pin MTA dust cover	571-6405514	power cable
MODIFICATIONS COMPONENTS (for 3 input mixer and wet/dry control)			
1	TL072	595-TL072BCP	mixer modification
1	1K	271-1K-RC	output modification
3	12K	271-12K-RC	100K lin to 10K log modification
6	100K	271-100K-RC	mixer modification
1	8 pin DIP socket	517-4808-3000-CP	mixer modification
2	1/4" jacks	502-112AX	use Bridechamber for lower cost alternative
4	100K potentiometer	531-PC16SC-100K	Oakley Sound BI Technologies P260P-D1BS3CB100K alternative
4	0.75" Knobs	506-PKES60B1/4	Use RadioShack 274-415 for lower cost alternative