

Resonant Lopass Gate Parts List rev 3.0

Resistors (1% Metal Film)	Value	Mouser Part #	Qty	Comments
R25, R26, R32, R34	0R		4	Change to jumpers
R6	470R	271-470-RC	1	
R15	1K	271-1K-RC	1	
R8, R14, R16	10K	271-10K-RC	3	
R11, R12	15K	271-15K-RC	2	
R7	33K	271-33K-RC	1	
R19	47K	271-47K-RC	1	Deep switch mod
R18	50K	271-49.9K-RC	4	Resonance mod - change R18 to 100K for 100K P2
R5, R9, R10, R17, R18, R20, R23, R27, R28, R30, R31, R33	100K	271-100K-RC	12	Change R18 to 100K; delete R21, R22, R24, R29
R3	150K	271-150K-RC	1	
R4	470K	271-470K-RC	1	
R13	4.7M 5% Carbon	291-4.7M-RC	1	
Capacitors	Value	Mouser Part #	Qty	Comments
C10	33 pF	581-SR151A220JAR	1	Change C10 to 22 pF
C7	220 pF	581-SR211A221JAR	1	
C9	1 nF	505-FKS21000/100/10	1	
C5	2 nF	539-168222K100A-F	1	
C8	4.7 nF	505-MKP24700/630/5	1	
C1, C2	100 nF	147-72-104-RC	2	
C6	1 uF	505-MKS21.0/63/5	1	
C3, C4	10 uF 35V electrolytic	140-LLRL35V10-RC	2	
Miscellaneous	Value	Mouser Part #	Qty	Comments
U1	TL084 quad op-amp	595-TL084ACN	1	
U2	TL074 quad op-amp	595-TL074ACN	1	
IC sockets	14 pin machined IC sockets	535-14-3518-10	2	
D1	3.9V 0.5W zener	512-BZX85C3V9	1	
V1, V2	VTL5C3 vactrol	Allied 980-0710	2	Fast
	VTL5C4 vactrol	Allied 980-0716	2	Slow
	VTL5C3/2 vactrol	Bridechamber	4	Dual fast
TP1	20K vertical trimmer	652-3299W-1-203LF	1	
P1 - Offset	10K linear potentiometer	313-1510F-10K	1	Change to BI Technologies P260P-D1BS3CB100K
P2 - Resonance	50K linear potentiometer	313-1510F-50K	1	Change to BI Technologies P260P-D1BS3CB100K
Input level controls	100K linear potentiometer	313-1500F-100K	1	Change to BI Technologies P260P-D1BS3CB100K
Knobs	MOTM style	506-PKES90B1/4	4	
Mode switch	3PDT on-off-on toggle switch	108-0006-EVX	1	Round handle toggle
Deep Switch	SPST on-none-on switch	108-0009-EVX	1	Round handle to match mode switch
Jacks	1/4" 2 conductor NC	502-112AX	4	Use Bridechamber as lower cost alternative
R1, R2	Ferrite beads	623-2743001112LF	2	Replace R1 and R2
Power Connector	MTA-156 4 pin header	571-6404454	1	
Power cable	MTA-156 4 pin connector	571-3-640426-4	2	Cable end
Power cable	MTA-156 4 pin dust cover	571-6405514	2	Cable end