

The Queen

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Inspired by	Catalinbread Galileo MkII (Bohemia)		
Effect type	Treble booster + Preamp		

Important Building notes

MPF4393*	This JFET can be substituted by J201, 2N5457 or any similar JFET		
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BOM

Shopping list

Resistors		Resistors		
Part	Value	Qty	Value	Parts
R1	4k7	2	100k	R6, R20
R2	220k	2	10k	R3, R19
R3	10k	1	12k	R22
R4	68k	5	1k	R8, R10, R15, R16, R23
R5	8k2	5	1m	R11, R12, R17, R18, R28
R6	100k	1	220k	R2
R7	470k	2	2m2	R24, R26
R8	1k	2	470k	R7, R14
R9	680r	2	4k7	R1, R25
R10	1k	1	56k	R13
R11	1m	1	62k	R21
R12	1m	1	680r	R9
R13	56k	1	68k	R4
R14	470k	2	8k2	R5, R27
R15	1k			
R16	1k	Capacitors		
		Qty	Value	Parts
R17	1m	2	100n	C6, C8
R18	1m	2	10n	C5, C17
R19	10k	1	220n	C11
R20	100k	2	22n	C13, C14
R21	62k	1	470p	C9
R22	12k	2	47p	C3, C12
R23	1k	1	4n7	C2
R24	2m2			
R25	4k7			
R26	2m2	Electrolytics Capacitors		
		Qty	Value	Parts
R27	8k2	1	100u	C1
R28	1m	2	1u	C15, C16
Capacitors		1	22u	C10
Part	Value	1	2u2	C7

C2	4n7		1	47u	C4
C3	47p				
C5	10n		Potentiometers		
C6	100n		Qty	Value	Parts
C8	100n		1	1m A	TONE
C9	470p		1	250k B	VOLUME
C11	220n		1	5k C	GAIN
C12	47p				
C13	22n		Transistors		
C14	22n		Qty	Value	Parts
C17	10n		5	MPF4393*	Q2, Q3, Q4, Q5, Q6
			1	P2N2222A	Q1
Electrolytics Capacitors					
Part	Value		Diodes		
C1	100u		Qty	Value	Parts
C4	47u		1	1n5817	D0
C7	2u2		1	3mm Red LED	LED
C10	22u				
C15	1u				
C16	1u				
Potentiometers					
Part	Value				
GAIN	5k C				
TONE	1m A				
VOLUME	250k B				
Transistors					
Part	Value				
Q1	P2N2222A				
Q2	MPF4393*				
Q3	MPF4393*				
Q4	MPF4393*				
Q5	MPF4393*				
Q6	MPF4393*				
Diodes					
Part	Value				
D0	1n5817				
LED	3mm Red LED				