

Fetta Cheese

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Inspired by Himmelstrutz Fetto

Effect type

Important Building notes

2SK170*:

This board has been designed for transistors 2SK170 which cant be directly replaced by any other similar JFET such as j201, 2n5457. However you can match the pinout by swapping pins G and S.

DIP Switch 10 positions**:

It might be a good idea to place it on the potentiometerside, maybe helped by a socket to level up so you can have direct acces to the dip switch from the front of your pedal

BOM

Shopping list

Resistors

Part	Value
R1	1m
R2	68k
R3	12k
R4	1k
R5	470k
R6	470r
R7	12k
R8	1k
R9	470r
R10	12k
R11	1k
R12	22k
RLED	4k7

Resistors

Qty	Value	Parts
3	12k	R3, R7, R10
3	1k	R4, R8, R11
1	1m	R1
1	22k	R12
1	470k	R5
2	470r	R6, R9
1	4k7	RLED
1	68k	R2

Capacitors

Part	Value
C1	4n7
C2	200n
C3	6n8
C4	2n2
C5	470p
C6	220p
C8	4n7
C9	6n8
C10	2n2
C11	470p

Capacitors

Qty	Value	Parts
2	100n	C13, C16
1	10n	C14
1	15n	C15
1	1n	C17
1	200n	C2
1	220p	C6
2	2n2	C4, C10
2	470p	C5, C11
2	4n7	C1, C8
2	6n8	C3, C9

Electrolytics Capacitors

Qty	Value	Parts
1	220u	C18
1	2u2	C7

C13	100n		1	4u7	C12
C14	10n				
C15	15n		Potentiometers		
C16	100n		Qty	Value	Parts
C17	1n		1	100k A	VOLUME
			1	500k A	GAIN
Electrolytic Capacitors			1	50k A	PRESENCE
Part	Value				
C7	2u2		Trim pots		
C12	4u7		Qty	Value	Parts
C18	220u		1	100k	TREBLECUT3
			1	500k	GAIN-TRIM
Potentiometers					
Part	Value		Transistors		
GAIN	500k A		Qty	Value	Parts
PRESENCE	50k A		3	2SK170*	Q1, Q2, Q3
VOLUME	100k A				
			Switches		
Trim pots			Qty	Value	Parts
Part	Value		1	DIP Switch 10 positions**	SW1
GAIN-TRIM	500k				
TREBLECUT3	100k		Diodes		
			Qty	Value	Parts
Transistors			1	1n5817	D1
Part	Value		1	3mm Red LED	LED
Q1	2SK170*				
Q2	2SK170*				
Q3	2SK170*				
Switches					
Part	Value				
SW1	DIP Switch 10 positions**				
Diodes					
Part	Value				
D1	1n5817				
LED	3mm Red LED				