

BOM monotropa v3**Reverselandfill 2020****Resistors**

r1, r8, r10, r15, r17, r22, r25	1k8	7	
r3, r4, r5, r6, r12, r13, r16	10k	7	
r7	3k3 or 4k7	1	Sets feedback gain
r19, r20, r21	1k	3	
f1, f2	10r	2	

Band combinations***band1***

r2	130k		
c1a	1uf		5mm film
c1b	270nF		5mm film
c1c	22nF		5mm film

band2

r9	110k		
c2a	470nF		5mm film
c2b	33nF		5mm film
c2c	10nF		5mm film

band3

r11	91k		
c3a	100nF		5mm film
c3b	100nF		5mm film
c3c	4.7nf		5mm film

band4

r14	82k		
c4a	47nF		5mm film
c4b	33nF		5mm film
c4c	2.2nF		5mm film

band5

r18	68k		
c5a	33nF		5mm film
c5c	1nF		5mm film

band6

r23	62k		
c6a	10nF		5mm film
c6b	2.2nF		5mm film
c6c	470pF		5mm film

band7

r24	51k		
c7a	4.7nf		5mm film
c7c	220pF		5mm film

Diodes

d1, d2	1n4001	2	
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Blad1

Capacitors

c2, c3	10uF	2	electrolythic
c13, c27, c28	1uf	3	electrolythic
c4, c5, c21, c22, c23, c24	100nF	6	2.5mm

IC

u1, u2, u3	14pin socket	3	
u1, u2, u3	TL084	3	alt: tl074, tl064

Power

10 pin connector	shrouded	1	
power cable	10pin to 16pin	1	

Place the panel on the PCB before soldering the pots and jacks

Pots	b10k vert	8	vertical 9mm
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Switch	SPDT (on/on)	1	pin mount
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Jacks	thonkiconn	6	vertical
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Knobs		8	
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Frequency bands: (you can use parts that are near these values)

63Hz	1270nF, 22nF, 130k
160Hz	503nF, 10nF, 110k
410Hz	200nF, 4.7nF, 91k
1KHz	80nF, 2.2nF, 82k
2.5KHz	33nF, 1nF, 68k
7.7KHz	12.2nF, 470pF, 62k
16KHz	4.7nF, 220pF, 51k

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credits: part of the EQ was inspired by the Musicthingmodular Graphic EQ / Boss GE7

The rest of the design (TH layout, panel design, feedback loop, mixer amp stages, external routing, mo

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ids are by: