Blad1

Resistors   r9, r12, r14, r16   1.8k	BOM monotropa v4d	Reverselandf	Reverselandfill 2025		
72		1 QV	4	foodback amp	
r1, r5, r6, r7, r10					
r13					
r15, r18, r19  r8, r11  10k* 2 feedback mix  LPG r3  2.2nF  1 Filter freq MOD option, see below  Band combinations* see below for more info and mods band1 low c1 1uf 1 5mm film c6 22nF 1 5mm film r1 130k 1  band2 low-mid c7 470n 1 5mm film r4 110k 1  band3 mid c8 82nf / 100nF 1 5mm film r4 110k 1  band4 mid-high c10 2.2nf 1 5mm film r20 82k 1  band4 mid-high c11 33nf 1 5mm film c12 1nf 1 5mm film c12 1nf 1 5mm film c14 3nf 1 5mm film c15 5mm film c16 2.2nf 1 5mm film c17 82k 1  band4 mid-high c11 33nf 1 5mm film c12 1nf 1 5mm film c12 1nf 1 5mm film c14 1 1 Neg CV block  Capacitors c2, c3 10uF 2 electrolythic d3 1n914 1 Neg CV block  Capacitors c2, c3 10uF 2 electrolythic c17 1uf 1 electrolythic Unlabeled 2.54mm footprints 100nF 6 2.54mm c13 2,2nF - 10nF 1 5mm film  Vactrol LED 3mm yellow 1 DIY Vactrol LED Smm yellow 1 DIY Vactrol LED Smm yellow 1 DIY Vactrol LED Smm yellow 1 DIY Vactrol LDD DIY vactrol					
LPG         r3       2.2nF       1       Filter freq MOD option, see below         Band combinations* see below for more info and mods band1         band1       low       1       5mm film         c6       22nF       1       5mm film         r21       130k       1       5mm film         r21       130k       1       5mm film         band2       low-mid       7       470n       1       5mm film         c9       10n       1       5mm film       1       5mm film         c9       10n       1       5mm film       1       5mm film         c8       82nf / 100nF       1       5mm film       1       1       5mm film       1       5mm film       1       5mm film       1       1       1       5mm film       1				<u> </u>	
LPG r3	113,110,113	IK	3	output resistors	
Rand combinations* see below for more info and mods   band1   low   c1   1   1   5 mm film   c6   22 nF   1   5 mm film   c7   470   1   5 mm film   c9   10   5 mm film   c9   10   5 mm film   c1   5 mm film   c2   2 nF   1   5 mm film   c3   5 mm film   c4   10   5 mm film   c6   2 nF   c4   c5   c5   c5   c5   c5   c5   c5	r8, r11	10k*	2	feedback mix	
MOD option, see below   MOD option, see below   Band combinations* see below for more info and mods   band1	LPG				
Dow   C1	r3	2.2nF	1	•	
C1		info and mods			
c6     22nF     1     5mm film       r21     130k     1       band2       c7     470n     1     5mm film       c9     10n     1     5mm film       r4     110k     1     5mm film       band3     mid       c8     82nf / 100nF     1     5mm film       c10     2.2nf     1     5mm film       r20     82k     1       band4       c11     33nf     1     5mm film       c12     1nf     1     5mm film       c12     1nf     1     5mm film       Diode       d1, d2     1n4001     1     1       d3     1n914     1     Neg CV block       Capacitors       c2, c3     10uF     2     electrolythic       c27     1uf     1     electrolythic       Unlabeled 2.54mm footprints     100nF     6     2.54mm       c13     2,2nF – 10nF     1     5mm film       Vactrol       LED     3mm yellow     1     DIY Vactrol       LDR     3mm     1     DIY Vactrol					
Dand2   Dow-mid   Company   Compan					
Dock			1	5mm film	
c7       470n       1       5mm film         c9       10n       1       5mm film         r4       110k       1       5mm film         band3       mid         c8       82nf / 100nF       1       5mm film         c10       2.2nf       1       5mm film         r20       82k       1       1         band4       mid-high       1       5mm film         c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1       1         Diode         d1, d2       1n4001       1       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c13       10uF       2       electrolythic         Unlabeled 2.54mm footprints       10onF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY vactrol         LDR       3mm	r21	130k	1		
c7       470n       1       5mm film         c9       10n       1       5mm film         r4       110k       1       5mm film         band3       mid         c8       82nf / 100nF       1       5mm film         c10       2.2nf       1       5mm film         r20       82k       1       1         band4       mid-high       1       5mm film         c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1       1         Diode         d1, d2       1n4001       1       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c13       10uF       2       electrolythic         Unlabeled 2.54mm footprints       10onF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY vactrol         LDR       3mm					
10n					
band3     mid       c8     82nf / 100nF     1     5mm film       c10     2.2nf     1     5mm film       r20     82k     1       band4     mid-high       c11     33nf     1     5mm film       c12     1nf     1     5mm film       r17     68k     1       Diode       d1, d2     1n4001     1     Neg CV block       Capacitors       c2, c3     10uF     2     electrolythic       c27     1uf     1     electrolythic       Unlabeled 2.54mm footprints     100nF     6     2.54mm       c13     2,2nF - 10nF     1     5mm film       Vactrol       LED     3mm yellow     1     DIY Vactrol       LDR     3mm     1     DIY vactrol					
band3         mid           c8         82nf / 100nF         1         5mm film           c10         2.2nf         1         5mm film           r20         82k         1           band4         mid-high           c11         33nf         1         5mm film           c12         1nf         1         5mm film           r17         68k         1         1           Diode           d1, d2         1n4001         1         Neg CV block           Capacitors           c2, c3         10uF         2         electrolythic           c27         1uf         1         electrolythic           Unlabeled 2.54mm footprints         100nF         6         2.54mm           c13         2,2nF – 10nF         1         5mm film           Vactrol           LED         3mm yellow         1         DIY Vactrol           LDR         3mm         1         DIY vactrol				5mm film	
c8       82nf / 100nF       1       5mm film         c10       2.2nf       1       5mm film         r20       82k       1         band4         c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1         Diode         d1, d2       1n4001       1       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol	r4	110k	1		
c8       82nf / 100nF       1       5mm film         c10       2.2nf       1       5mm film         r20       82k       1         band4         c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1         Diode         d1, d2       1n4001       1       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol	h and O	t.d			
c10       2.2nf       1       5mm film         r20       82k       1         band4       mid-high         c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1         Diode         d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol			4	Every film	
band4     mid-high       c11     33nf     1     5mm film       c12     1nf     1     5mm film       r17     68k     1       Diode       d1, d2     1n4001     1       d3     1n914     1     Neg CV block       Capacitors       c2, c3     10uF     2     electrolythic       c27     1uf     1     electrolythic       Unlabeled 2.54mm footprints     100nF     6     2.54mm       c13     2,2nF – 10nF     1     5mm film       Vactrol       LED     3mm yellow     1     DIY Vactrol       LDR     3mm     1     DIY vactrol					
band4         mid-high           c11         33nf         1         5mm film           c12         1nf         1         5mm film           r17         68k         1           Diode           d1, d2         1n4001         1           d3         1n914         1         Neg CV block           Capacitors           c2, c3         10uF         2         electrolythic           c27         1uf         1         electrolythic           Unlabeled 2.54mm footprints         100nF         6         2.54mm           c13         2,2nF – 10nF         1         5mm film           Vactrol           LED         3mm yellow         1         DIY Vactrol           LDR         3mm         1         DIY vactrol				5mm tilm	
c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1         Diode         d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF - 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol	r20	82K	1		
c11       33nf       1       5mm film         c12       1nf       1       5mm film         r17       68k       1         Diode         d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF - 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol	band4	mid-hiah			
c12       1nf       1       5mm film         r17       68k       1         Diode         d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol		_	1	5mm film	
r17       68k       1         Diode         d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF - 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol				-	
Diode         d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF - 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol				· · · · · · · · · · · · · · · · · · ·	
d1, d2       1n4001       1         d3       1n914       1       Neg CV block         Capacitors         c2, c3       10uF       2       electrolythic         c27       1uf       1       electrolythic         Unlabeled 2.54mm footprints       100nF       6       2.54mm         c13       2,2nF – 10nF       1       5mm film         Vactrol         LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol					
Capacitors         C2, c3         10uF         2 electrolythic           c27         1uf         1 electrolythic           Unlabeled 2.54mm footprints         100nF         6 2.54mm           c13         2,2nF - 10nF         1 5mm film           Vactrol           LED         3mm yellow         1 DIY Vactrol           LDR         3mm         1 DIY vactrol	Diode				
Capacitors         c2, c3       10uF       2 electrolythic         c27       1uf       1 electrolythic         Unlabeled 2.54mm footprints       100nF       6 2.54mm         c13       2,2nF – 10nF       1 5mm film         Vactrol         LED       3mm yellow       1 DIY Vactrol         LDR       3mm       1 DIY vactrol	d1, d2	1n4001	1		
c2, c3       10uF       2 electrolythic         c27       1uf       1 electrolythic         Unlabeled 2.54mm footprints       100nF       6 2.54mm         c13       2,2nF – 10nF       1 5mm film         Vactrol         LED       3mm yellow       1 DIY Vactrol         LDR       3mm       1 DIY vactrol	d3	1n914	1	Neg CV block	
c2, c3       10uF       2 electrolythic         c27       1uf       1 electrolythic         Unlabeled 2.54mm footprints       100nF       6 2.54mm         c13       2,2nF – 10nF       1 5mm film         Vactrol         LED       3mm yellow       1 DIY Vactrol         LDR       3mm       1 DIY vactrol					
c27         1uf         1         electrolythic           Unlabeled 2.54mm footprints         100nF         6         2.54mm           c13         2,2nF – 10nF         1         5mm film           Vactrol           LED         3mm yellow         1         DIY Vactrol           LDR         3mm         1         DIY vactrol	Capacitors				
Unlabeled 2.54mm footprints         100nF         6         2.54mm           c13         2,2nF – 10nF         1         5mm film           Vactrol           LED         3mm yellow         1         DIY Vactrol           LDR         3mm         1         DIY vactrol	c2, c3	10uF	2	electrolythic	
c13       2,2nF - 10nF       1       5mm film         Vactrol       LED       3mm yellow       1       DIY Vactrol         LDR       3mm       1       DIY vactrol	c27	1uf	1	electrolythic	
Vactrol LED 3mm yellow 1 DIY Vactrol LDR 3mm 1 DIY vactrol	Unlabeled 2.54mm footprints	100nF	6		
LED 3mm yellow 1 DIY Vactrol LDR 3mm 1 DIY vactrol	c13	2,2nF – 10nF	1	5mm film	
LED 3mm yellow 1 DIY Vactrol LDR 3mm 1 DIY vactrol					
LDR 3mm 1 DIY vactrol					
		=	1		
shrink tube 1 DIY vactrol		3mm	1		
	shrink tube		1	DIY vactrol	

Blad1

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u1, u2	14pin socket	2
u3	8pin socket	1

u1, u2 TL074 2 alt: TL064, TL084

u3 TL072

**Power** 

10 pin connectorshrouded1power cable10pin to 16pin1mount screwsm3 6mm4

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

Pots + nuts

band1, band2, band3, band4, FB1, FB2 b10k 6 vertical 9mm

Jacks + nuts thonkiconn 5 vertical

Knobs 5

MOD options:

\*Alternative frequency bands: (you can use parts that are near these values)

63Hz (band 1) 1270nF, 22nF, 130k 160Hz (band 2) 503nF, 10nF, 110k 410Hz 200nF, 4.7nF, 91k 1KHz (band 3) 80nF, 2.2nF, 82k 2.5KHz (band 4) 33nF, 1nF, 68k 7.7KHz 12.2nF, 470pF, 62k 16KHz 4.7nF, 220pF, 51k

LPG MOD

r3 (with resistor instead of capacitor) 10k 1 voltage divider

CC-BY-SA

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

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