

**BLUR BOM v3i 2022**

Reverselandfill 2022

Updated 16-08-22

<b>Resistors</b>	<b>value</b>	<b>details</b>	<b>amount</b>
r11, r16	100r	1% metal film	2
r5, r6, r13, r14	499r	1% metal film	4
r4, r15	1k	1% metal film	2
r9, r10	1.5k	1% metal film	2
r7, r19, r23, r28, r29	4.99k	1% metal film	5
r8	10k	1% metal film	1
r18	20k	1% metal film	1
r22	47k	1% metal film	1
r1, r2, r21	100k	1% metal film	3
<b>Ferrite beads</b>			
f1, f2	68r	HF filtering	2
<b>Diodes</b>			
d1, d2	1n4001	reverse power protection	2
d3, d4, d5, d6	1n5711	clipping, alt 1n914	4
<b>Capacitors</b>			
c10	220pF- 470pF	5mm film , filter value1	1
c9	820pF – 2.2nF	5mm film , filter value2	1
c8	8.2nF- 12nF	5mm film , filter value3	1
c3, c4, c5, c6, c7, c12, c13, c14	100nF	2,5mm, decoupling	8
c11	330nF	2,5mm	1
c1, c2	10uF	>16v electrolythic, polarised	2
<b>IC</b>			
U1, U2	LM6172	no socket, Gain and Filter	2
LT1251	LT1251 / LT1256	no socket, VCA	1
IC1	78L05	voltage regulator	1
<b>Trimpot (top or side adjust, multiturn or singleturn, pin spacing front to back : 2.5mm)</b>			
r20	10k 103	set dry gain	1
r3	100k 104	set REF voltage	1
<b>Power</b>			
SV1	10pin	shrouded keyed header	1
power cable	10pin to 16pin	keyed headers	1
<b>Hardware</b>			
Pots	b10k	Right-angle 9mm Alpha	2
Jacks	mono	PJ302M	3
Switch S1	subminiature	3PDT on-off-on, 5mm diamete	1
Knobs			2
M3 screws		for panel mounting	2
<b>Mods and testpoints</b>			
REF test		measure REF voltage	testpads
NREF		normalise REF to CV input	
FGND pinheader		connect filter cutoff to GND	1