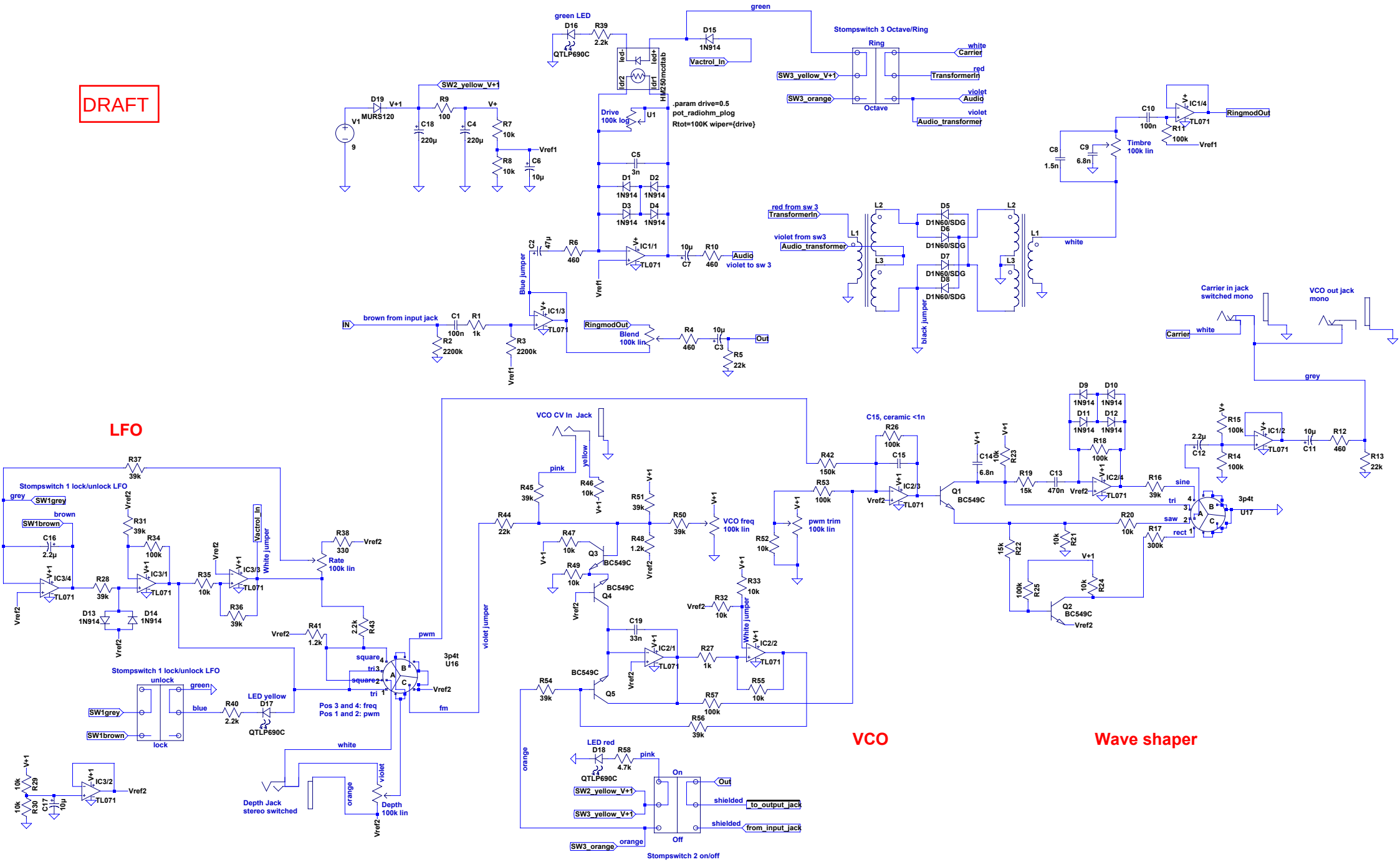
DRAFT


LFO
VCO
Wave shaper
green LED
D16
R39
2.2k
QTLP690C
green
D15
1N914
Vactrol_In
Stompswitch 3 Octave/Ring
Ring
white
Carrier
red
Transformerin
violet
Audio
violet
Audio_transformer
SW3_yellow_V+1
SW3_orange
Octave
SW2_yellow_V+1
D19
MURS120
V1
9
R9
100
C18
220µ
C4
220µ
R7
10k
R8
10k
C6
10µ
Vref1
V+
V+1
Drive
100k log
U1
.param drive=0.5
pot_radiohm_plog
Rtot=100K wiper={drive}
HM2508mcdtab
led-
led+
ldr2
ldr1
C5
3n
D1
D2
D3
D4
1N914
C2
47µ
R6
460
IC1/1
TL071
10µ
C7
R10
460
Audio
violet to sw 3
Blue jumper
IN
brown from input jack
C1
100n
R1
1k
R2
2200k
R3
2200k
IC1/3
RingmodOut
Blend
100k lin
R4
460
10µ
C3
Out
R5
22k
C10
100n
IC1/4
R11
100k
RingmodOut
Timbre
100k lin
C8
1.5n
C9
6.8n
red from sw 3
TransformerIn
violet from sw3
Audio_transformer
L1
L2
L3
D5
D6
D7
D8
D1N60/SDG
black jumper
white
Carrier in jack
switched mono
VCO out jack
mono
Carrier
white
grey
Stompswitch 1 lock/unlock LFO
grey
SW1grey
brown
SW1brown
R37
39k
R31
39k
R34
100k
C16
2.2µ
IC3/4
IC3/1
TL071
R28
39k
D13
1N914
D14
1N914
R35
10k
IC3/3
R36
39k
Vactrol_In
White jumper
R38
330
Rate
100k lin
R41
1.2k
2.2k
R43
pwm
square
tri
square2
tri 1
3p4t
U16
Vref2
fm
violet jumper
Pos 3 and 4: freq
Pos 1 and 2: pwm
Stompswitch 1 lock/unlock LFO
unlock
lock
green
blue
SW1grey
SW1brown
R40
2.2k
LED yellow
D17
QTLP690C
white
Depth Jack
stereo switched
orange
violet
Depth
100k lin
R29
10k
R30
10k
C17
10µ
IC3/2
VCO CV In Jack
yellow
pink
R45
39k
R46
10k
R44
22k
R51
39k
R50
39k
VCO freq
100k lin
R47
10k
Q3
BC549C
R49
10k
BC549C
Q4
R48
1.2k
R52
10k
pwm trim
100k lin
R33
10k
R32
10k
White jumper
C19
33n
IC2/1
IC2/2
R27
1k
R54
39k
BC549C
Q5
R55
10k
R57
100k
R56
39k
C15, ceramic <1n
R42
150k
R53
100k
R26
100k
C15
IC2/3
Q1
BC549C
C14
6.8n
R23
10k
R19
15k
C13
470n
D9
D10
D11
D12
1N914
R18
100k
IC2/4
R16
39k
sine
tri
saw
rect
3p4t
U17
R20
10k
R17
300k
R22
15k
R21
10k
R25
100k
R24
10k
Q2
BC549C
Vref2
C12
2.2µ
R15
100k
R14
100k
IC1/2
C11
10µ
R12
460
R13
22k
LED red
D18
R58
4.7k
pink
orange
On
Out
shielded
to_output_jack
shielded
from_input_jack
Off
SW2_yellow_V+1
SW3_yellow_V+1
SW3_orange
orange
Stompswitch 2 on/off
TL071