#120-000
LFO & LED DRIVER PCBA

Sheet: /
File: #120-000 LFO & LED Driver PCBA.sch

Title:

Size: A4   Date: Rev:
KiCad E.D.A. kicad (5.1.2)-2   Id: 1/1

POWER FLAGS

PWR_FLAG PWR_FLAG PWR_FLAG
VCC   VSS   GND

POWER SUPPLY DECOUPLING

PWR_FLAG   VCC
Ca12   D8
100n   1N4148WS
U6C
4558
Ca13   VSS
100n   Da9
           1N4148WS
GND   PWR_FLAG

FUNCTION OF D8:
– ASYMM. SUPPLY?
– LFO TICK FILTER?
--> ALSO INCLUDE ON NEGATIVE RAIL?

Polarity of Da9 may be incorrect!
Worth breadboarding before first board spin!

TP3 TEST POINT
C23 6n8
U6A 4558
RATE
RV55 A25k
R35 27k
R33 56k
R56 100k
R34 82R
R32 47k

TP5 TEST POINT
C16 470n
U6B 4558
DEPTH
RV54 B10k
R37 82k
R36 560R
R57 27k

Rm3 0R
VCC
SWEEP OFFSET
RV51 10k
Rm4 0R
GND
R39 47k
U5A 4558
Q1 3904
R41 3k3
R43 220k
R44 68k
R42 10k
D9 4148
RV52 1k
R45 220R
SWEEP RANGE

TP4 TEST POINT
OC_LED_+
OC_LED_−

GND