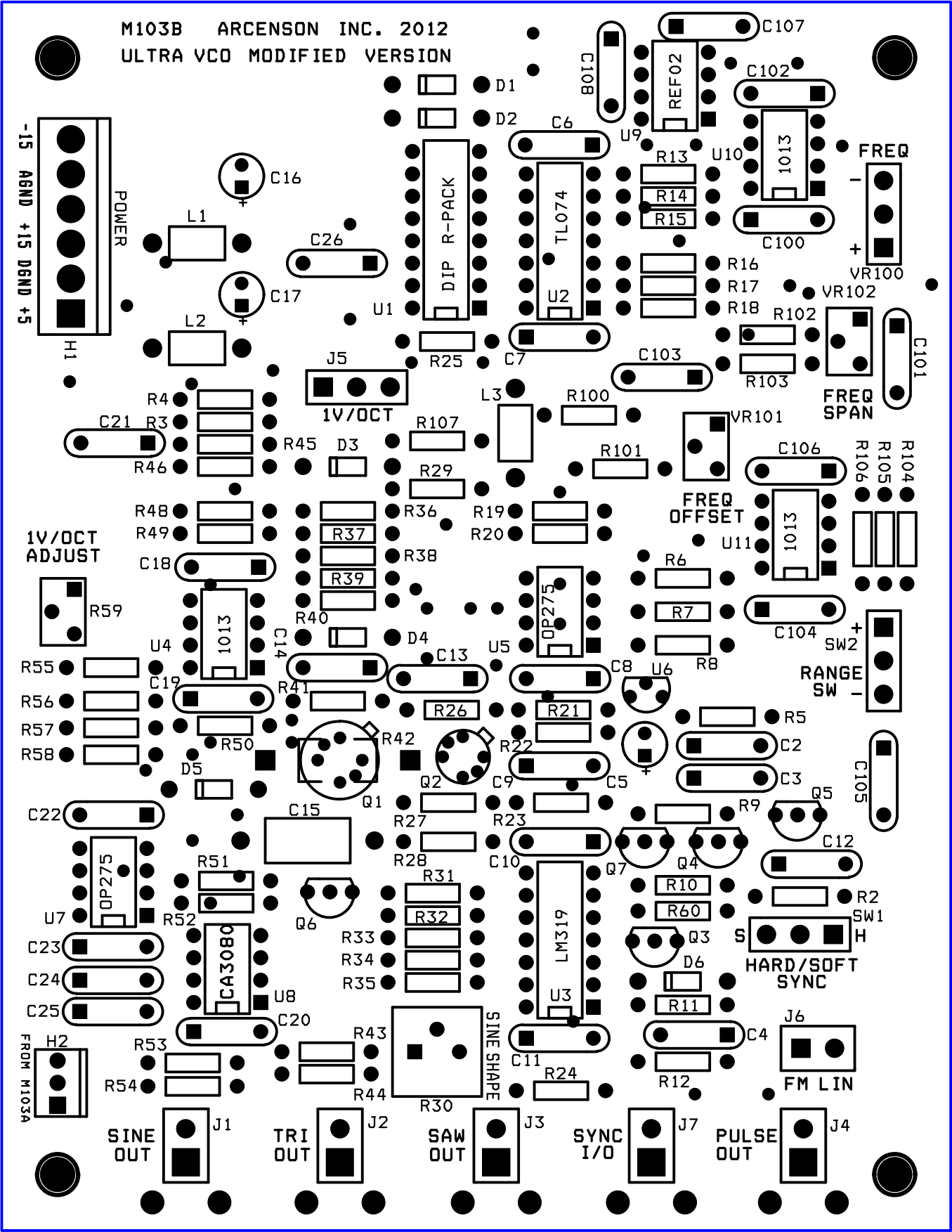


M103B ARCEINSON INC. 2012
ULTRA VCO MODIFIED VERSION



-15 AGND
+15 DGND
+5

POWER

1V/OCT
ADJUST

FROM M103A

SINE
OUT

TRI
OUT

SAW
OUT

SYNC
I/O

PULSE
OUT

FM LIN

HARD/SOFT
SYNC

RANGE
SW

FREQ
OFFSET

FREQ
SPAN

FREQ

DIP R-PACK

TL074

LM319

OP275

REF02

CA3080

1V/OCT

C26

C16

D1

D2

J5

U1

C6

C108

C107

U2

C100

C102

C109

U9

C103

C101

C106

U10

C104

C105

C103

U11

C106

C105

C103

R4

R3

R2

R1

R0

R-1

R21

R20

R19

R18

R17

R16

R36

R35

R34

R33

R32

R31

R40

R39

R38

R37

R36

R35

R45

R44

R43

R42

R41

R40

R59

R58

R57

R56

R55

R54

R107

R106

R105

R104

R103

R102

R29

R28

R27

R26

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