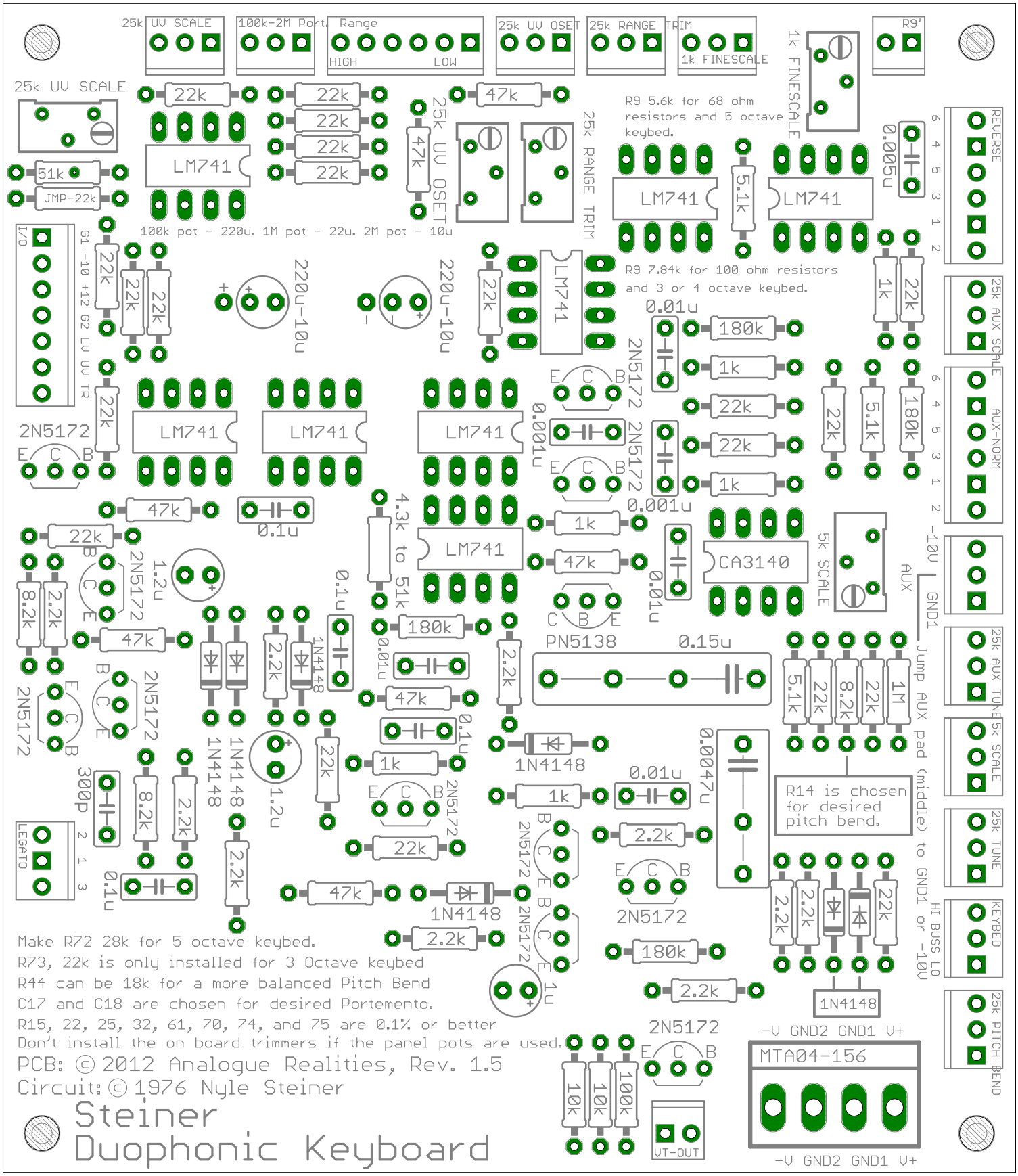
25k UV SCALE
100k-2M Port
Range
HIGH
LOW
25k UV OSET
25k RANGE TRIM
1k FINESCALE
R9'
25k UV SCALE
51k
JMP-22k
LM741
22k
47k
25k UV OSET
25k RANGE TRIM
R9 5.6k for 68 ohm resistors and 5 octave keybed.
0.005u
5.1k
REVERSE
100k pot - 220u. 1M pot - 22u. 2M pot - 10u
220u-10u
R9 7.84k for 100 ohm resistors and 3 or 4 octave keybed.
0.01u
180k
1k
2N5172
0.001u
25k AUX SCALE
AUX-NORM
I/O
G1 -10 +12 G2 LV UV TR
2N5172
0.1u
4.3k to 51k
CA3140
5k SCALE
AUX
-10V
GND1
Jump AUX pad (middle) to GND1 or -10V
PN5138
0.15u
1N4148
1.2u
0.0047u
R14 is chosen for desired pitch bend.
25k AUX TUNE
5k SCALE
25k TUNE
KEYBED
HI BUSS LO
25k PITCH BEND
300p
LEGATO
Make R72 28k for 5 octave keybed.
R73, 22k is only installed for 3 Octave keybed
R44 can be 18k for a more balanced Pitch Bend
C17 and C18 are chosen for desired Portemento.
R15, 22, 25, 32, 61, 70, 74, and 75 are 0.1% or better
Don't install the on board trimmers if the panel pots are used.
PCB: © 2012 Analogue Realities, Rev. 1.5
Circuit: © 1976 Nyle Steiner
Steiner
Duophonic Keyboard
10k
100k
VT-OUT
MTA04-156
-V GND2 GND1 V+