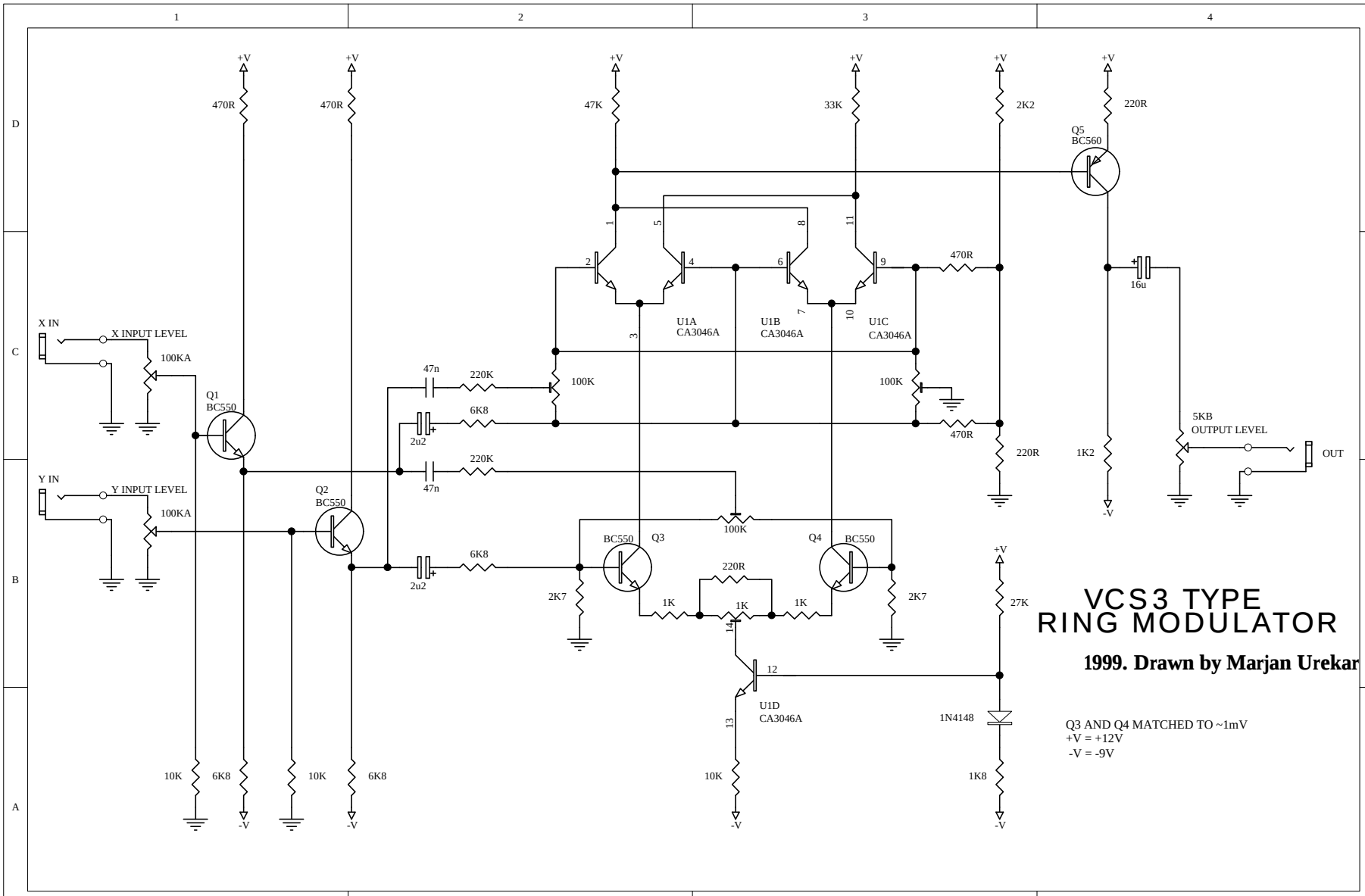
VCS3 TYPE
RING MODULATOR
1999. Drawn by Marjan Urekar
Q3 AND Q4 MATCHED TO ~1mV
+V = +12V
-V = -9V
X IN
X INPUT LEVEL
100KA
Y IN
Y INPUT LEVEL
100KA
Q1
BC550
Q2
BC550
Q3
BC550
Q4
BC550
Q5
BC560
U1A
CA3046A
U1B
CA3046A
U1C
CA3046A
U1D
CA3046A
1N4148
OUT
5KB
OUTPUT LEVEL
+V
-V
470R
470R
47K
33K
2K2
220R
16u
1K2
220R
470R
470R
100K
100K
100K
47n
220K
6K8
2u2
220K
47n
6K8
2u2
220R
1K
1K
1K
2K7
2K7
27K
1K8
10K
6K8
10K
6K8
10K