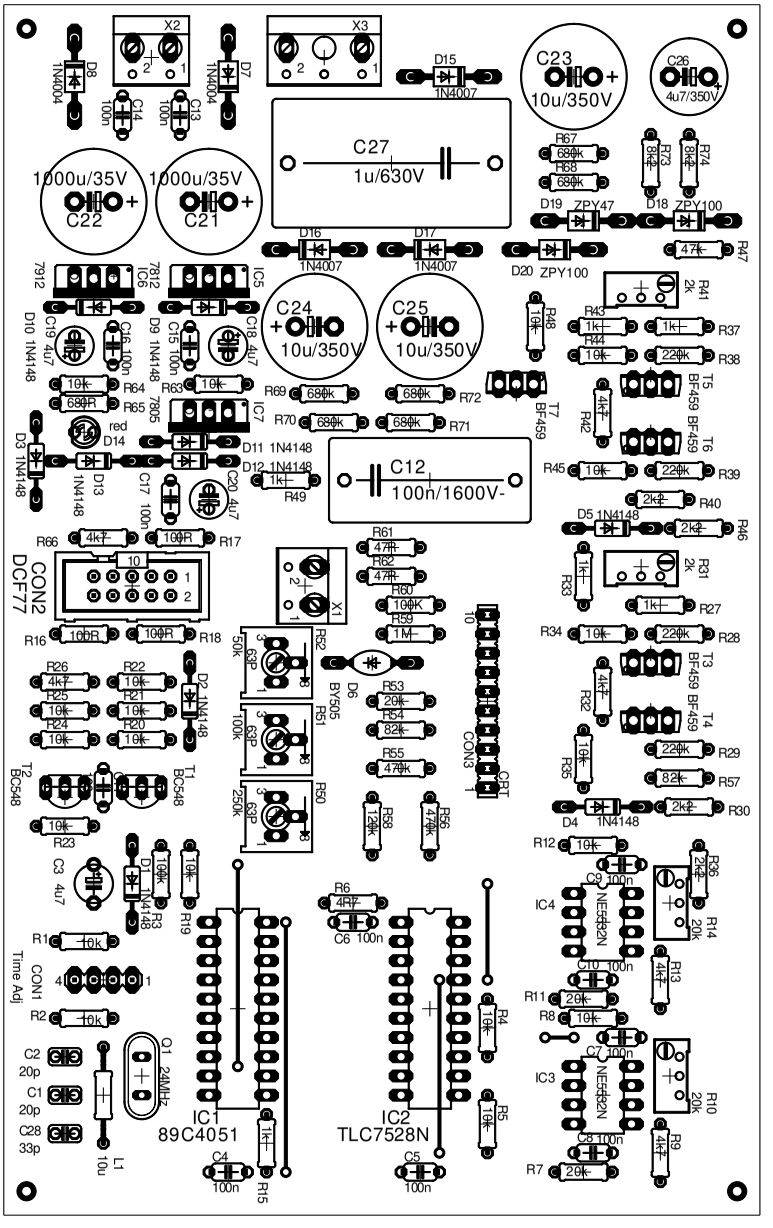
X2
X3
D8 1N4004
D7 1N4004
C14 100n
C13 100n
D15 1N4007
C23 10u/350V
C26 4u7/350V
C27 1u/630V
1000u/35V C22
1000u/35V C21
D16 1N4007
D17 1N4007
D19 ZPY47
D18 ZPY100
D20 ZPY100
R67 680k
R68 680k
R73 3k3
R74 3k3
R47 47k
7912
7812
IC6
IC5
C24 10u/350V
C25 10u/350V
R48 10k
R41 2k
R43 1k
R37 1k
R44 10k
R38 220k
T5 BF459
T6 BF459
T7 BF459
R42 4k7
R45 10k
R39 220k
R40 2k2
D5 1N4148
R46 2k2
R21 2k
R33 1k
R27 1k
R34 10k
R28 220k
T3 BF459
T4 BF459
R32 4k7
R35 10k
R29 220k
R57 82k
R30 2k2
D4 1N4148
R12 10k
R36 2k2
C9 100n
IC4 NE5532N
R14 20k
C10 100n
R13 4k7
R11 20k
R8 10k
C7 100n
IC3 NE5532N
R10 20k
C8 100n
R9 4k7
R7 20k
C19 4u7
C16 100n
C15 100n
C18 4u7
D10 1N4148
D9 1N4148
R64 10k
R63 10k
R69 680k
R72 680k
R65 680R
7805
IC7
R70 680k
R71 680k
red
D14
D3 1N4148
D13 1N4148
D11 1N4148
D12 1N4148
1k
R49
C17 100n
C20 4u7
C12 100n/1600V-
R66 4k7
100R
R17
CON2 DCF77
10
R16 100R
100R
R18
X1
R61 47R
R62 47R
R60 100K
R59 1M
D6 BY505
R53 20k
R54 82k
R55 470k
R58 120k
R56 470k
CON3
CRT
R52 50k 63P
R51 100k 63P
R50 250k 63P
R26 4k7
R22 10k
R25 10k
R21 10k
R24 10k
R20 10k
D2 1N4148
T2 BC548
T1 BC548
R23 10k
C3 4u7
D1 1N4148
R3 10k
R19 10k
R1 10k
CON1 Time Adj
R2 10k
R6 4k7
C6 100n
R4 10k
R5 10k
C2 20p
C1 20p
C28 33p
Q1 24MHz
L1 10u
IC1 89C4051
C4 100n
R15 1k
IC2 TLC7528N
C5 100n