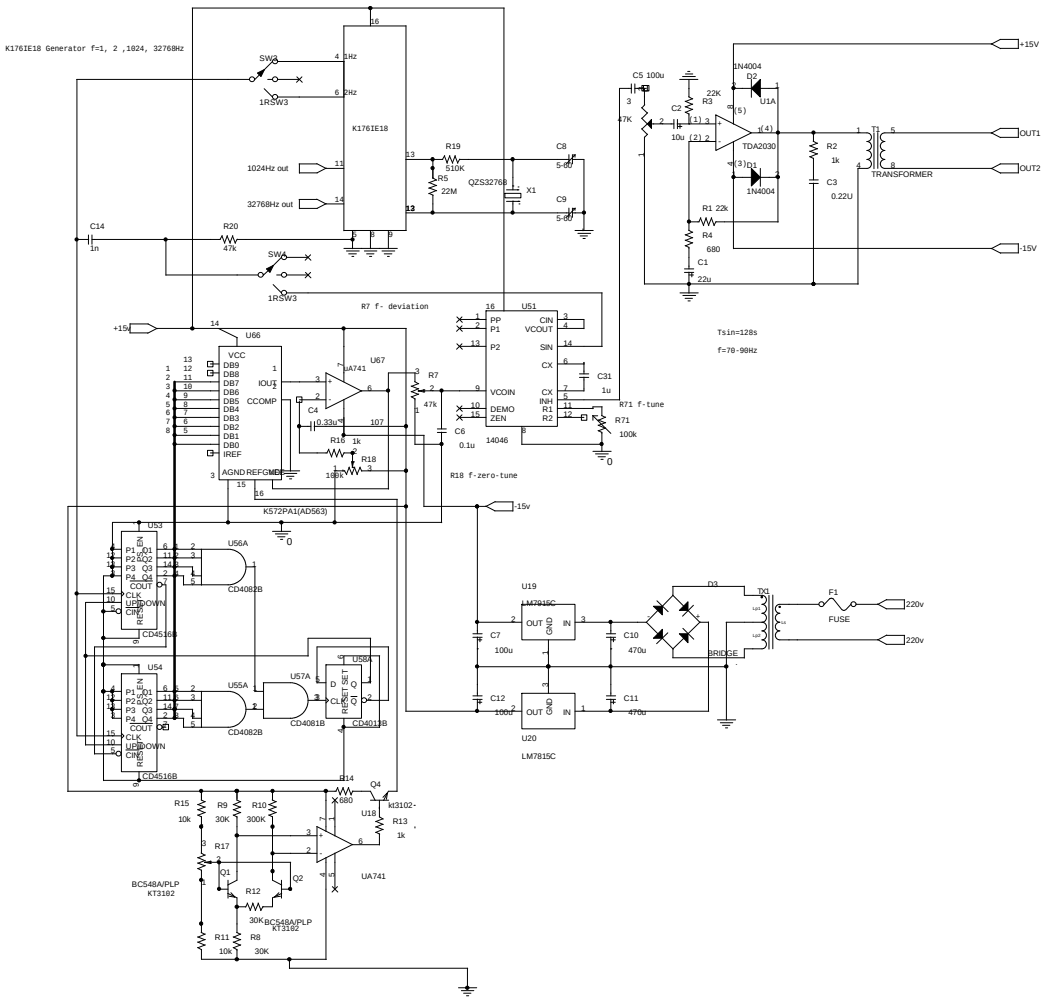
K176IE18 Generator f=1, 2 ,1024, 32768Hz
SW3
1RSW3
1Hz
2Hz
K176IE18
1024Hz out
32768Hz out
R19
510K
R5
22M
QZS32768
X1
C8
C9
C14
1n
R20
47k
SW4
1RSW3
R7 f- deviation
+15v
U66
VCC
DB9
DB8
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
IREF
IOUT
CCOMP
AGND
REFGND
MDS
K572PA1(AD563)
U67
uA741
C4
0.33u
R16
1k
R18
180k
R7
47k
C6
0.1u
U51
PP
P1
P2
CIN
VCOUT
SIN
CX
VCOIN
DEMO
ZEN
INH
R1
R2
14046
C31
1u
R71 f-tune
R71
100k
R18 f-zero-tune
-15v
U53
U54
U56A
U55A
CD4082B
CD4516B
U57A
U58A
CD4081B
CD4013B
U19
LM7815C
U20
LM7815C
C7
100u
C12
100u
C10
470u
C11
470u
D3
BRIDGE
TX1
F1
FUSE
220v
220v
R14
680
Q4
kt3102-
U18
R13
1k
UA741
R15
10k
R9
30K
R10
300K
R17
Q1
Q2
R12
30K
BC548A/PLP
KT3102
R11
10k
R8
30K
C5 100u
47K
C2
10u
R3
22K
1N4004
D2
U1A
TDA2030
D1
1N4004
R2
1k
C3
0.22U
R1 22k
R4
680
C1
22u
T1
TRANSFORMER
OUT1
OUT2
+15V
-15V
Tsin=128s
f=70-90Hz