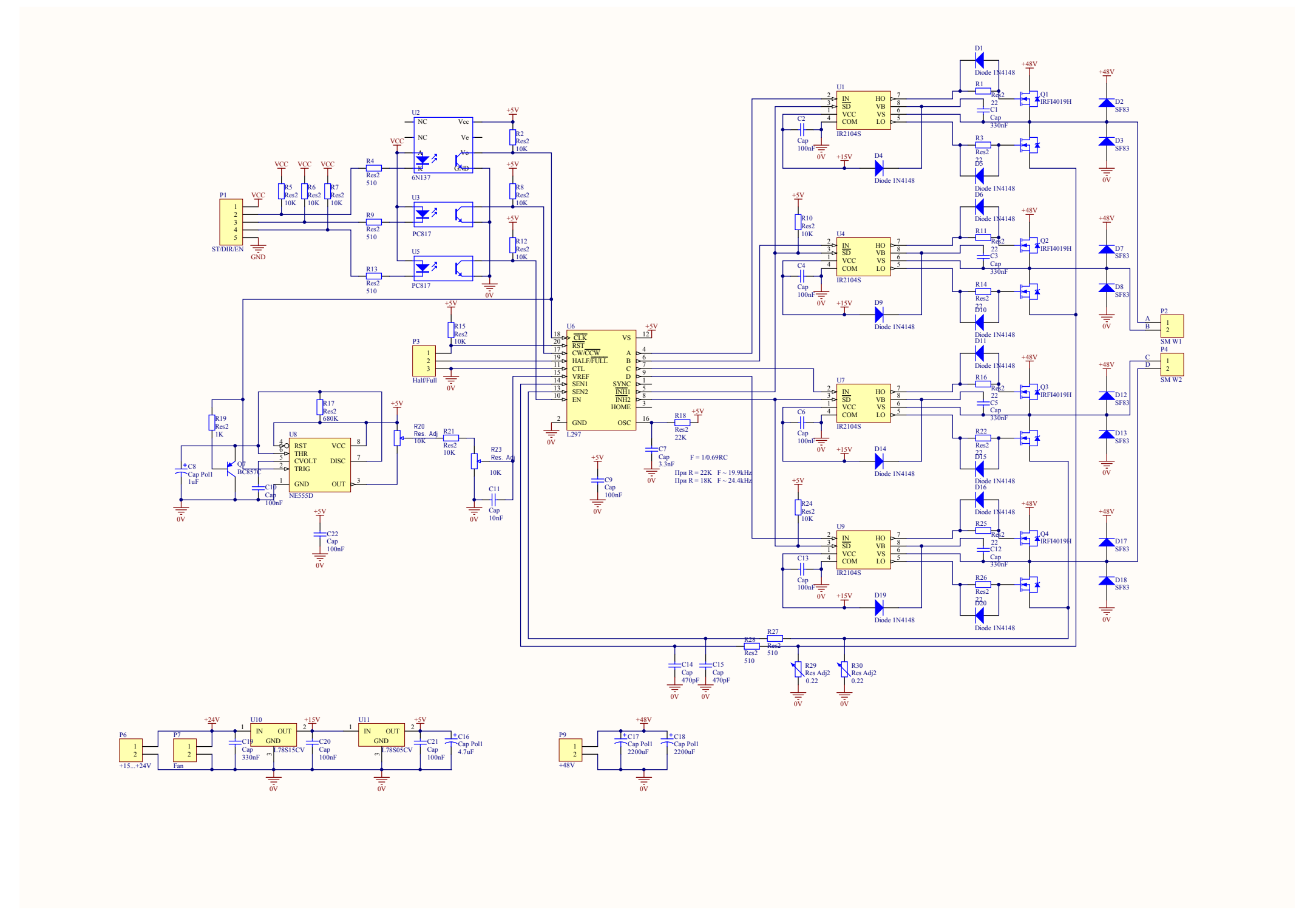
P1
ST/DIR/EN
GND
VCC
R5 Res2 10K
R6 Res2 10K
R7 Res2 10K
U2
6N137
U3
PC817
U5
PC817
R4 Res2 510
R9 Res2 510
R13 Res2 510
R2 Res2 10K
R8 Res2 10K
R12 Res2 10K
+5V
0V
P3
Half/Full
R15 Res2 10K
U6
L297
CLK
RST
CW/CCW
HALF/FULL
CTL
VREF
SEN1
SEN2
EN
GND
VS
A
B
C
D
SYNC
INH1
INH2
HOME
OSC
R18 Res2 22K
C7 Cap 3.3nF
F = 1/0.69RC
При R = 22K F ~ 19.9kHz
При R = 18K F ~ 24.4kHz
C9 Cap 100nF
U8
NE555D
RST
THR
CVOLT
TRIG
GND
VCC
DISC
OUT
R17 Res2 680K
R19 Res2 1K
R20 Res Adj 10K
R21 Res2 10K
R23 Res Adj 10K
C8 Cap Pol1 1uF
C10 Cap 100nF
C11 Cap 10nF
C22 Cap 100nF
Q7 BC857C
U1
U4
U7
U9
IR2104S
IN
SD
VCC
COM
HO
VB
VS
LO
C2 Cap 100nF
C4 Cap 100nF
C6 Cap 100nF
C13 Cap 100nF
+15V
D4 Diode 1N4148
D9 Diode 1N4148
D14 Diode 1N4148
D19 Diode 1N4148
R10 Res2 10K
R24 Res2 10K
D1 Diode 1N4148
D5 Diode 1N4148
D6 Diode 1N4148
D10 Diode 1N4148
D11 Diode 1N4148
D15 Diode 1N4148
D16 Diode 1N4148
D20 Diode 1N4148
R1 Res2 22
R3 Res2 22
R11 Res2 22
R14 Res2 22
R16 Res2 22
R22 Res2 22
R25 Res2 22
R26 Res2 22
C1 Cap 330nF
C3 Cap 330nF
C5 Cap 330nF
C12 Cap 330nF
Q1 IRFI4019H
Q2 IRFI4019H
Q3 IRFI4019H
Q4 IRFI4019H
+48V
D2 SF83
D3 SF83
D7 SF83
D8 SF83
D12 SF83
D13 SF83
D17 SF83
D18 SF83
P2
SM W1
P4
SM W2
A
B
C
D
R27 Res2 510
R28 Res2 510
C14 Cap 470pF
C15 Cap 470pF
R29 Res Adj2 0.22
R30 Res Adj2 0.22
P6
+15...+24V
P7
Fan
+24V
U10
L78S15CV
U11
L78S05CV
IN
OUT
GND
C19 Cap 330nF
C20 Cap 100nF
C21 Cap 100nF
C16 Cap Pol1 4.7uF
P9
+48V
C17 Cap Pol1 2200uF
C18 Cap Pol1 2200uF