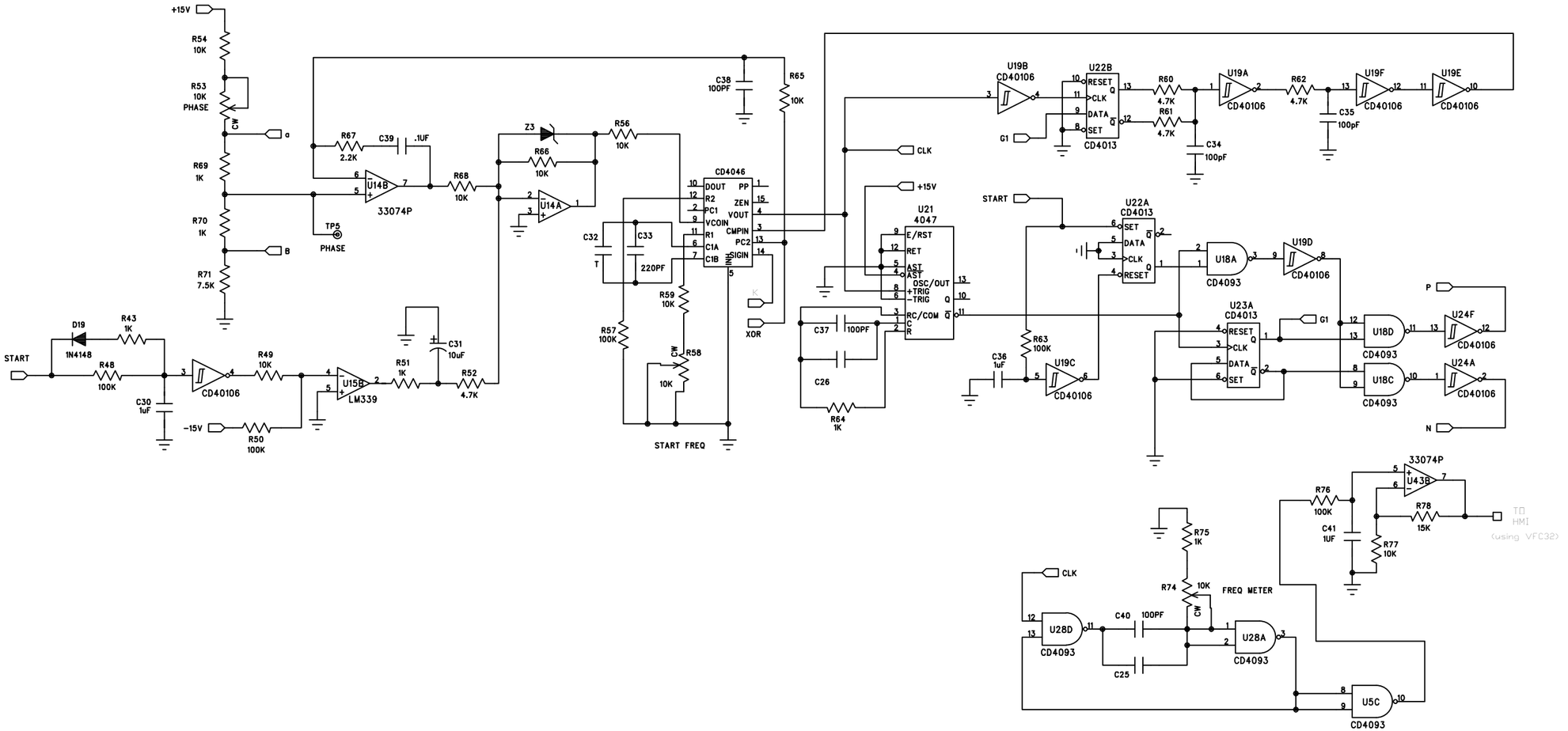
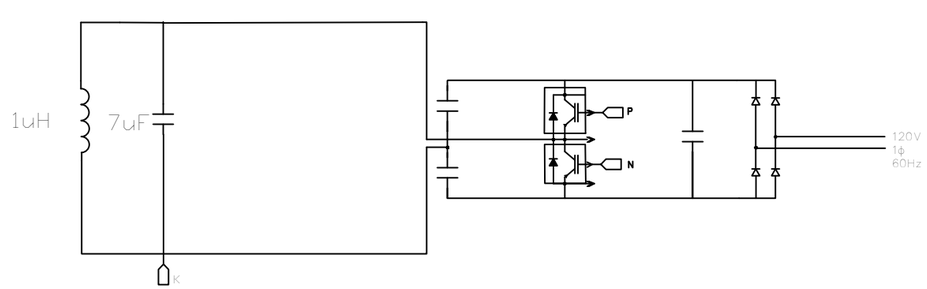

+15V
R54 10K
R53 10K PHASE
CW
a
R69 1K
R70 1K
B
R71 7.5K
TP5
PHASE
R67 2.2K
C39 .1UF
U14B
33074P
R68 10K
Z3
R66 10K
U14A
R56 10K
C38 100PF
R65 10K
CD4046
DOUT
R2
PC1
VCOIN
R1
C1A
C1B
PP
ZEN
VOUT
CMPIN
PC2
SIGIN
C32
C33
220PF
R59 10K
R57 100K
R58 10K
START FREQ
K
XOR
CLK
+15V
U21 4047
E/RST
RET
AST
AST
OSC/OUT
+TRIG
-TRIG
Q
RC/COM
C37 100PF
C26
R64 1K
U19B CD40106
G1
U22B CD4013
RESET
CLK
DATA
SET
R60 4.7K
R61 4.7K
C34 100PF
U19A CD40106
R62 4.7K
C35 100PF
U19F CD40106
U19E CD40106
START
U22A CD4013
U18A CD4093
U19D CD40106
U23A CD4013
U18D CD4093
U24F CD40106
P
U18C CD4093
U24A CD40106
N
R63 100K
C36 1uF
U19C CD40106
D19 1N4148
R43 1K
R48 100K
C30 1uF
CD40106
R49 10K
-15V
R50 100K
U15B LM339
R51 1K
C31 10uF
R52 4.7K
33074P
U43B
R76 100K
R78 15K
C41 1UF
R77 10K
TO HMI (using VFC32)
R75 1K
R74 10K
FREQ METER
CW
CLK
U28D CD4093
C40 100PF
C25
U28A CD4093
U5C CD4093


1uH
7uF
K
P
N
120V
1ϕ
60Hz

CT