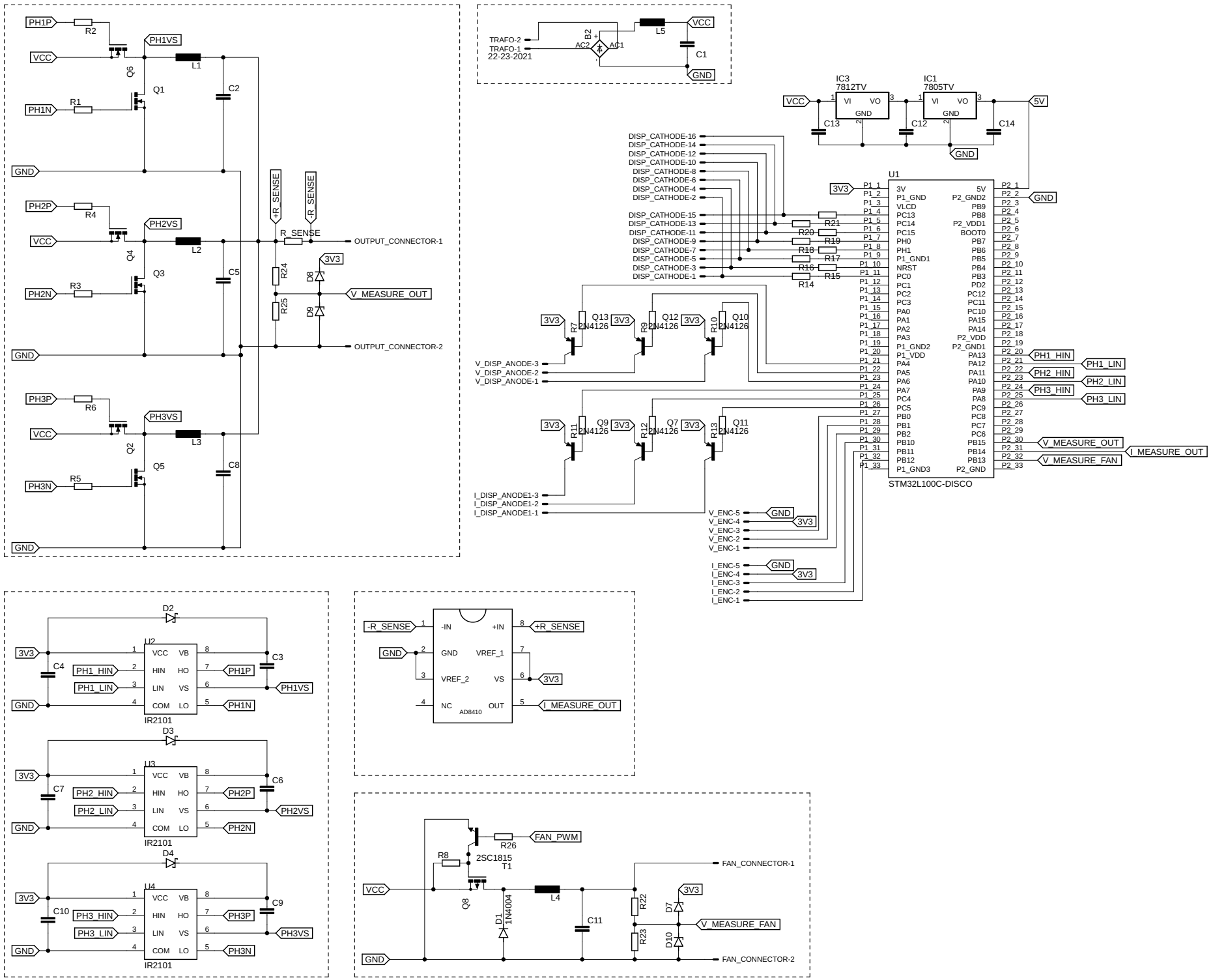
PH1P
R2
PH1VS
VCC
Q6
L1
Q1
C2
PH1N
R1
GND
PH2P
R4
PH2VS
VCC
Q4
L2
Q3
C5
PH2N
R3
GND
PH3P
R6
PH3VS
VCC
Q2
L3
Q5
C8
PH3N
R5
GND
+R_SENSE
-R_SENSE
R_SENSE
OUTPUT_CONNECTOR-1
R24
R25
D8
D9
3V3
V_MEASURE_OUT
OUTPUT_CONNECTOR-2
TRAFO-2
TRAFO-1
22-23-2021
AC2
AC1
B2
L5
VCC
C1
GND
IC3
7812TV
IC1
7805TV
VI
VO
GND
C13
C12
C14
5V
DISP_CATHODE-16
DISP_CATHODE-14
DISP_CATHODE-12
DISP_CATHODE-10
DISP_CATHODE-8
DISP_CATHODE-6
DISP_CATHODE-4
DISP_CATHODE-2
DISP_CATHODE-15
DISP_CATHODE-13
DISP_CATHODE-11
DISP_CATHODE-9
DISP_CATHODE-7
DISP_CATHODE-5
DISP_CATHODE-3
DISP_CATHODE-1
R21
R20
R19
R18
R17
R16
R15
R14
U1
STM32L100C-DISCO
3V3
Q13
2N4126
Q12
2N4126
Q10
2N4126
R7
R8
R10
V_DISP_ANODE-3
V_DISP_ANODE-2
V_DISP_ANODE-1
PH1_HIN
PH1_LIN
PH2_HIN
PH2_LIN
PH3_HIN
PH3_LIN
Q9
2N4126
Q7
2N4126
Q11
2N4126
R11
R12
R13
I_DISP_ANODE1-3
I_DISP_ANODE1-2
I_DISP_ANODE1-1
V_ENC-5
V_ENC-4
V_ENC-3
V_ENC-2
V_ENC-1
I_ENC-5
I_ENC-4
I_ENC-3
I_ENC-2
I_ENC-1
V_MEASURE_OUT
I_MEASURE_OUT
V_MEASURE_FAN
D2
U2
IR2101
C4
C3
PH1P
PH1VS
PH1N
D3
U3
IR2101
C7
C6
PH2P
PH2VS
PH2N
D4
U4
IR2101
C10
C9
PH3P
PH3VS
PH3N
-R_SENSE
+R_SENSE
-IN
+IN
GND
VREF_1
VREF_2
VS
NC
OUT
AD8410
I_MEASURE_OUT
FAN_PWM
R26
R8
2SC1815
T1
Q8
D1
1N4004
L4
C11
R22
R23
D7
D10
FAN_CONNECTOR-1
FAN_CONNECTOR-2