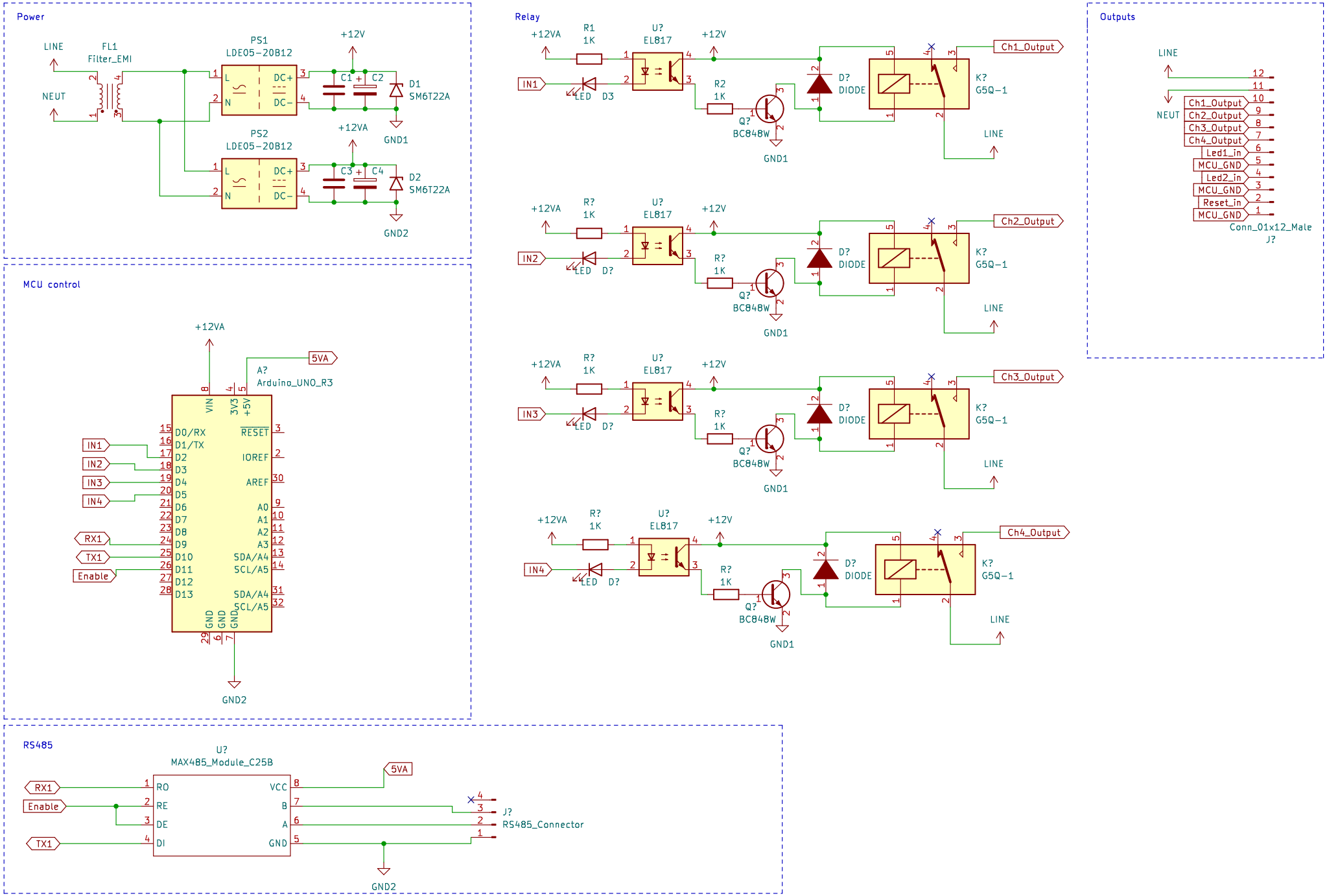
Power
LINE
NEUT
FL1
Filter_EMI
PS1
LDE05-20B12
PS2
LDE05-20B12
+12V
+12VA
C1
C2
C3
C4
D1
SM6T22A
D2
SM6T22A
GND1
GND2
MCU control
+12VA
5VA
A?
Arduino_UNO_R3
VIN
3V3
+5V
D0/RX
D1/TX
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
RESET
IOREF
AREF
A0
A1
A2
A3
SDA/A4
SCL/A5
GND
IN1
IN2
IN3
IN4
RX1
TX1
Enable
GND2
Relay
+12VA
R1
1K
U?
EL817
+12V
IN1
LED
D3
R2
1K
Q?
BC848W
GND1
D?
DIODE
K?
G5Q-1
Ch1_Output
LINE
R?
1K
IN2
D?
Ch2_Output
IN3
Ch3_Output
IN4
Ch4_Output
Outputs
LINE
NEUT
Ch1_Output
Ch2_Output
Ch3_Output
Ch4_Output
Led1_in
MCU_GND
Led2_in
MCU_GND
Reset_in
MCU_GND
Conn_01x12_Male
J?
RS485
U?
MAX485_Module_C25B
RO
RE
DE
DI
VCC
B
A
GND
RX1
Enable
TX1
5VA
J?
RS485_Connector
GND2