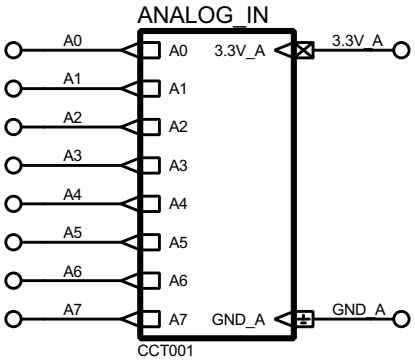
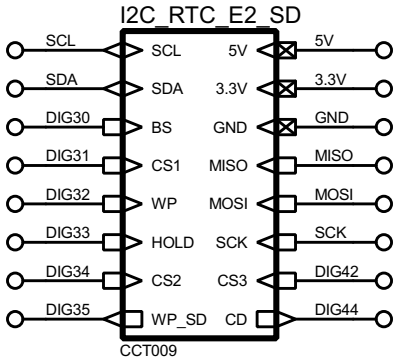
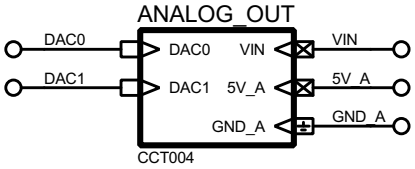
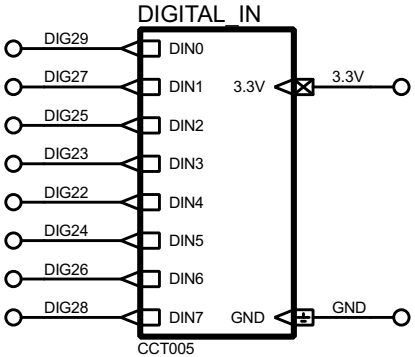
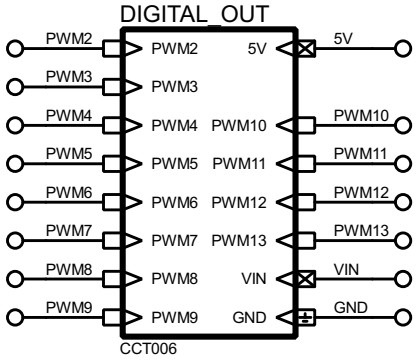
SADyC - 32
IDEI - UNGS

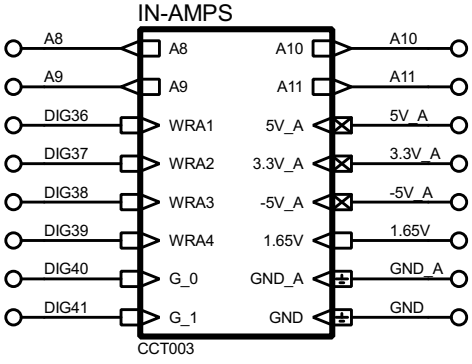


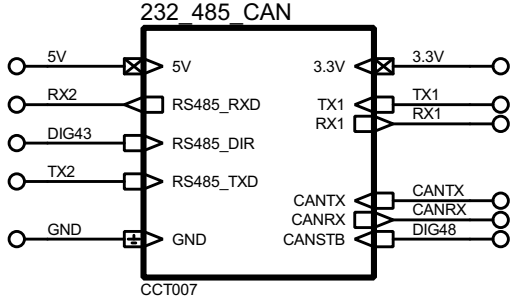


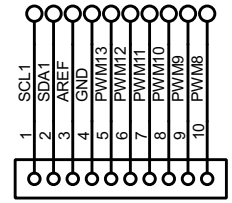


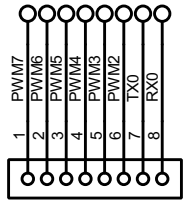


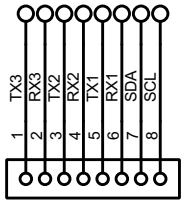


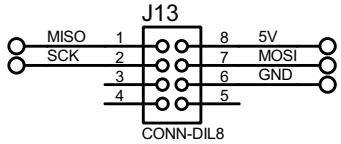




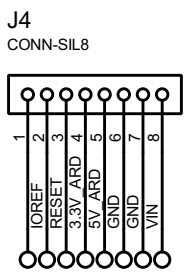


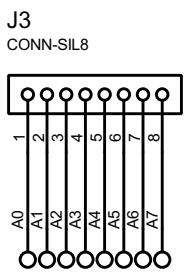


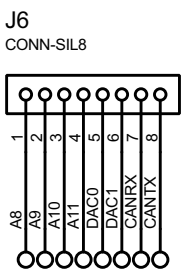


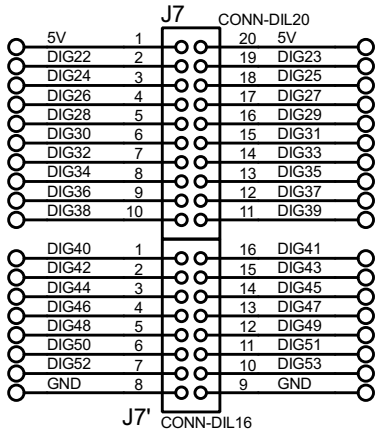


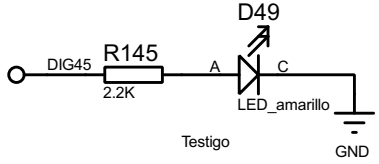
CONECTORES ARDUINO DUE

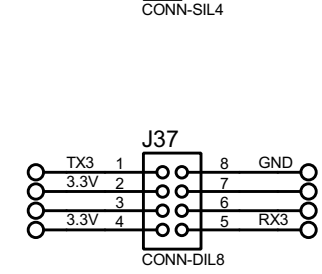




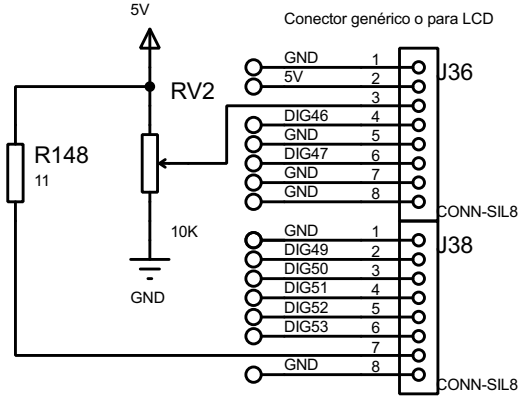


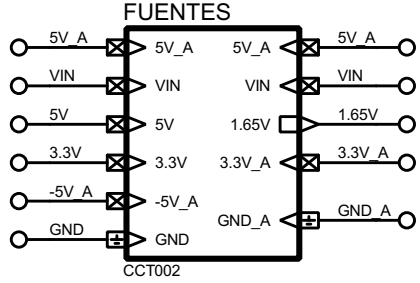




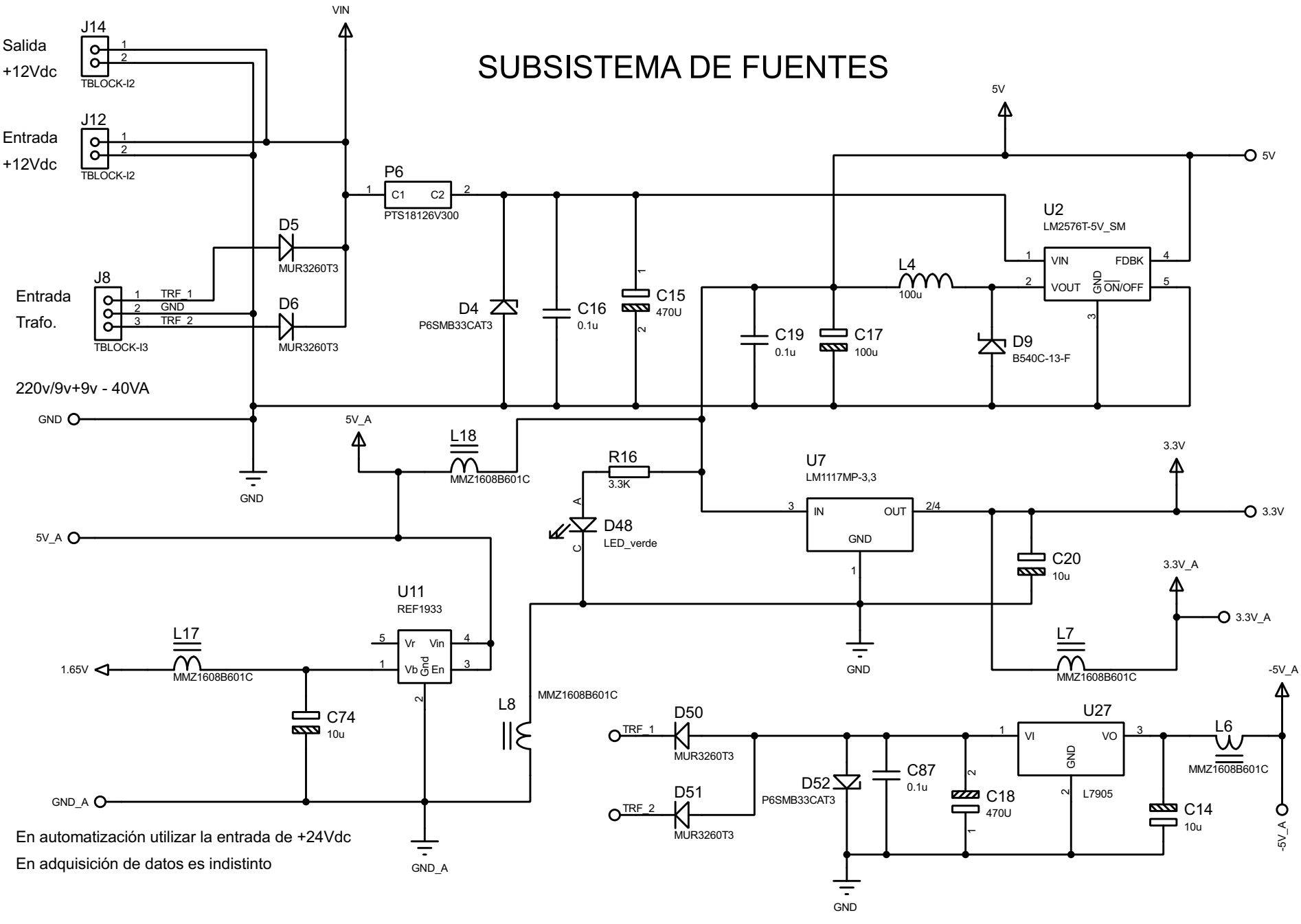


Conector para módulo WiFi - ESP8266

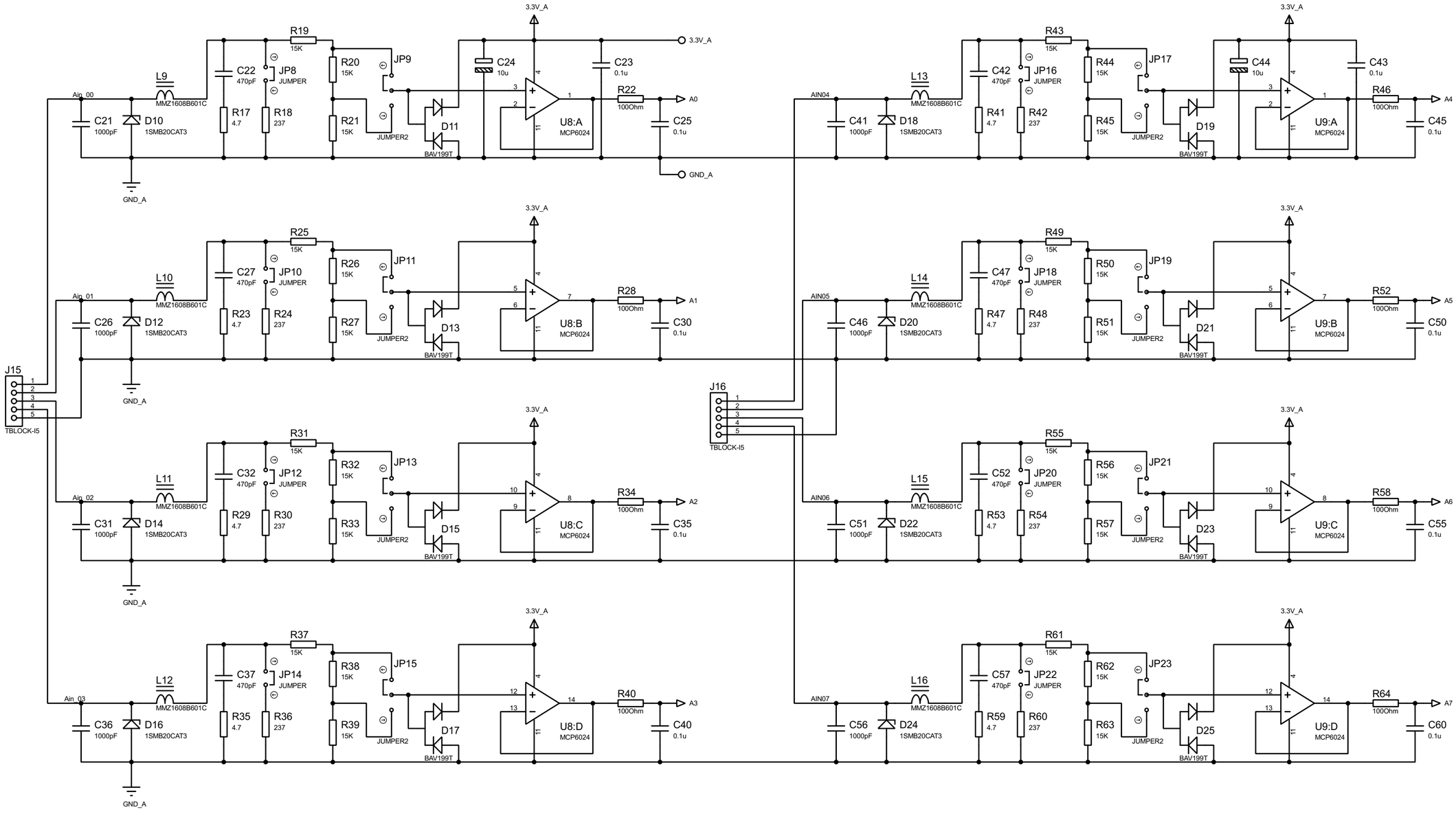




SUBSISTEMA DE FUENTES



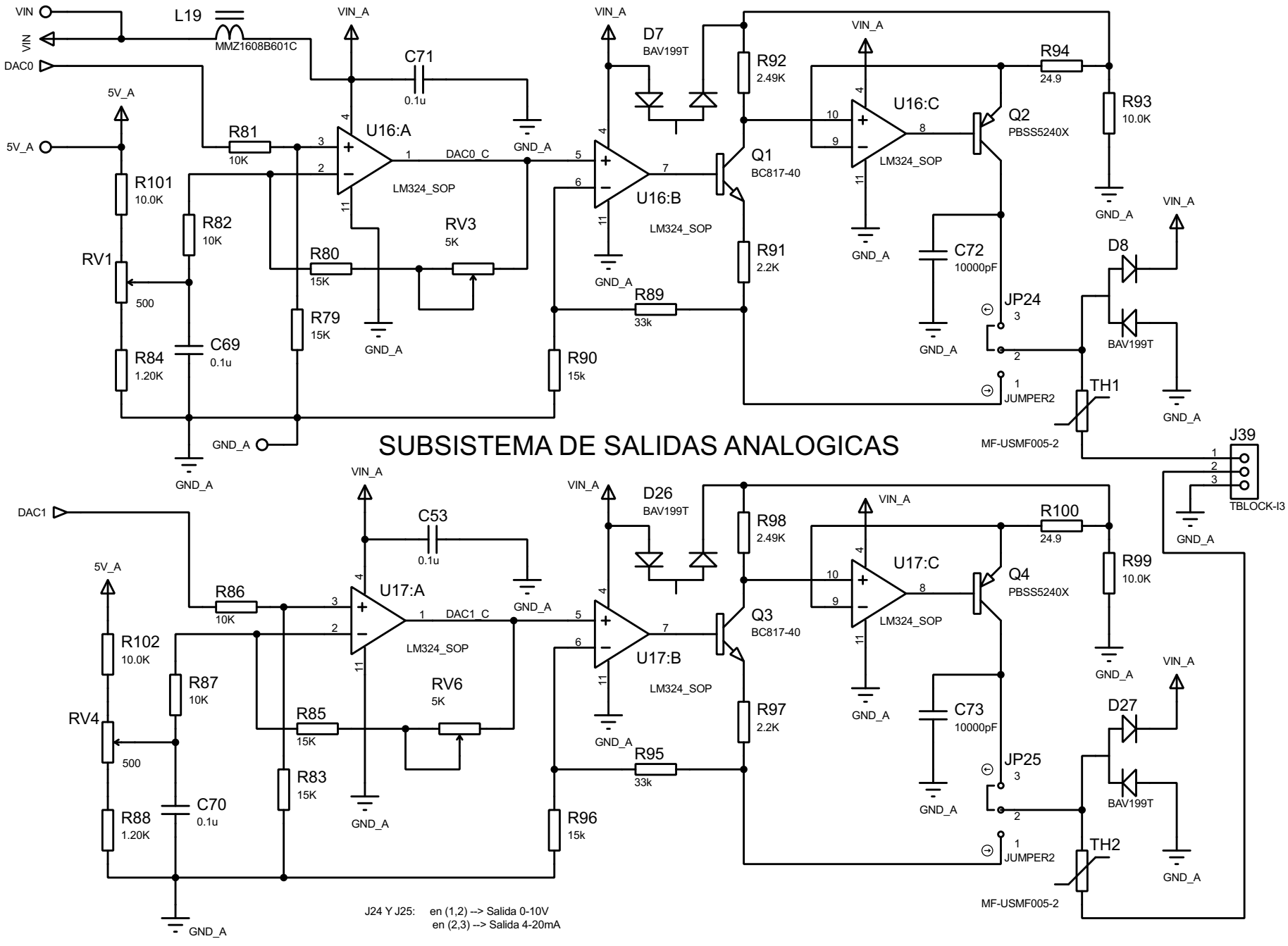
SUBSISTEMA DE ENTRADAS ANALOGICAS

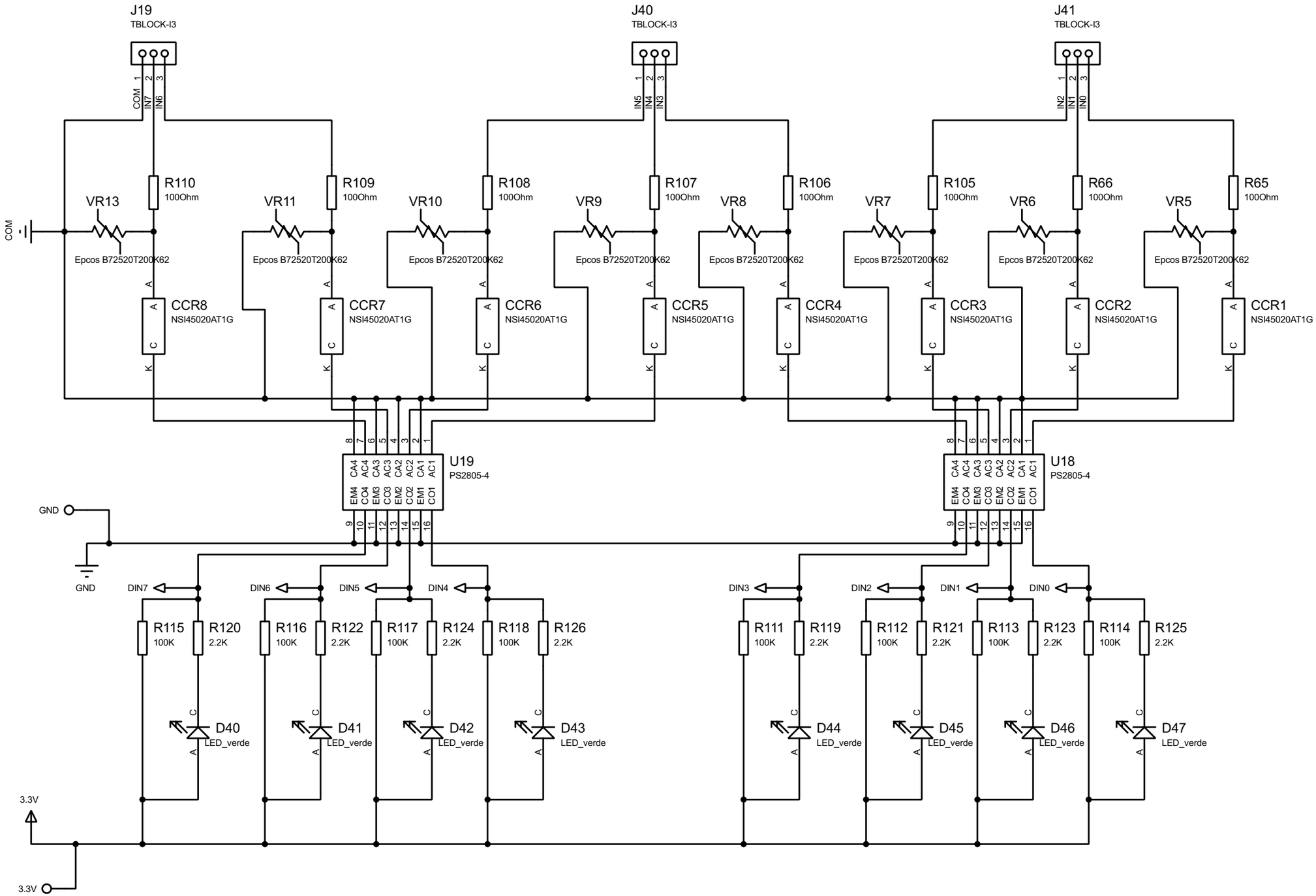


REFERENCIAS

0-10V: Jumper abierto y switch en 1-2

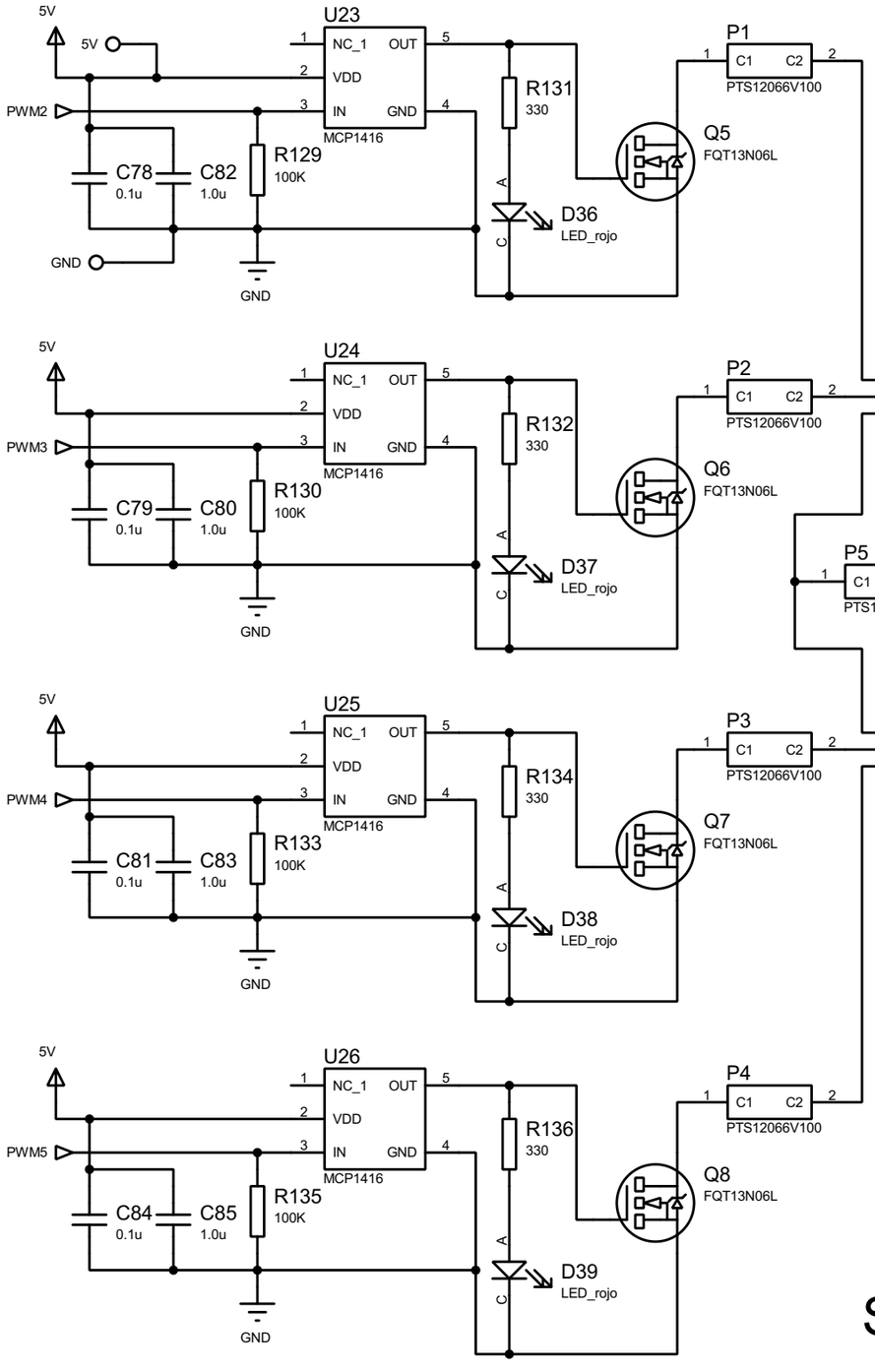
4-20 mA: Jumper cerrado y switch en 2-3

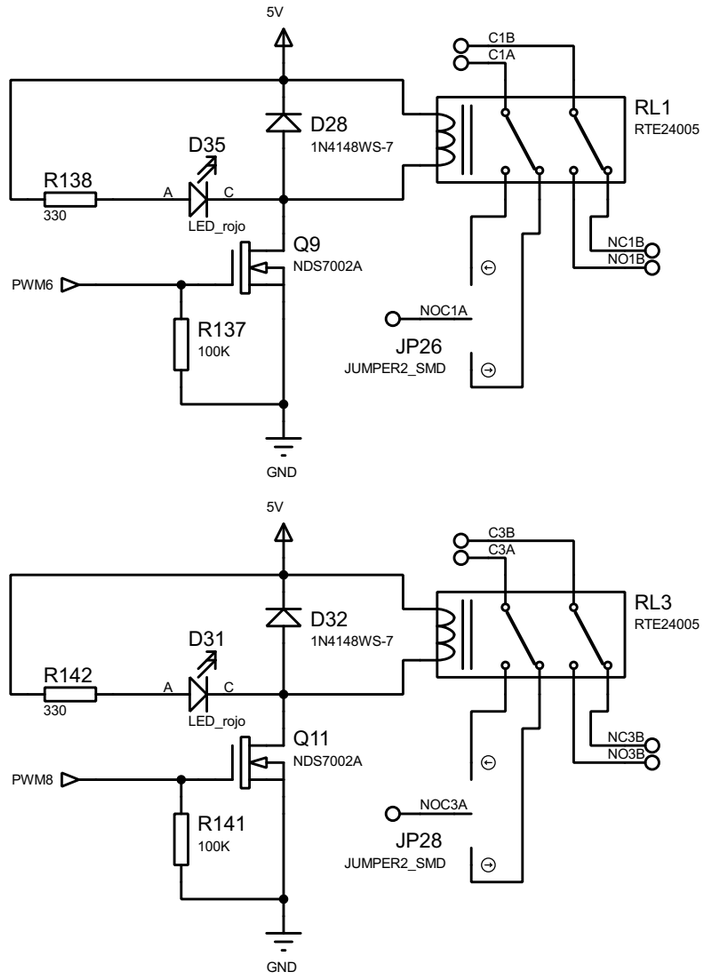

VIN
VIN
L19
MMZ1608B601C
VIN_A
C71
0.1u
DAC0
5V_A
5V_A
R81
10K
U16:A
LM324_SOP
DAC0_C
GND_A
R101
10.0K
R82
10K
RV1
500
R84
1.20K
C69
0.1u
RV3
5K
R80
15K
R79
15K
R90
15k
GND_A
D7
BAV199T
R92
2.49K
U16:B
LM324_SOP
Q1
BC817-40
R91
2.2K
R89
33k
U16:C
LM324_SOP
Q2
PBSS5240X
R94
24.9
R93
10.0K
C72
10000pF
D8
BAV199T
JP24
JUMPER2
TH1
MF-USMF005-2
J39
TBLOCK-I3
SUBSISTEMA DE SALIDAS ANALOGICAS
DAC1
C53
0.1u
R86
10K
U17:A
LM324_SOP
DAC1_C
R102
10.0K
R87
10K
RV4
500
R88
1.20K
C70
0.1u
RV6
5K
R85
15K
R83
15K
R96
15k
D26
BAV199T
R98
2.49K
U17:B
LM324_SOP
Q3
BC817-40
R97
2.2K
R95
33k
U17:C
LM324_SOP
Q4
PBSS5240X
R100
24.9
R99
10.0K
C73
10000pF
D27
BAV199T
JP25
JUMPER2
TH2
MF-USMF005-2
J24 Y J25: en (1,2) --> Salida 0-10V
en (2,3) --> Salida 4-20mA

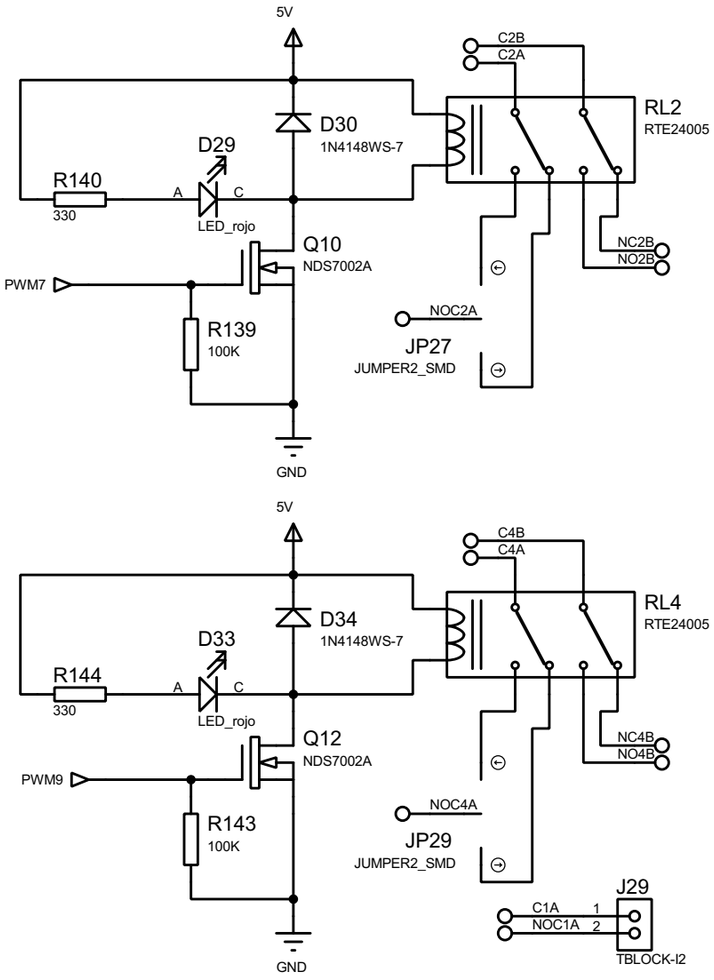


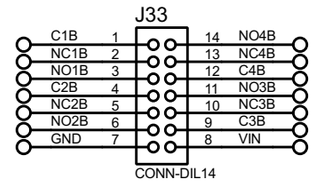
SUBSISTEMA DE ENTRADAS DIGITALES

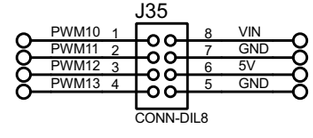
SUBSISTEMA DE SALIDAS DIGITALES

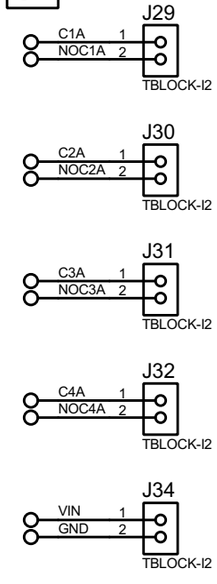




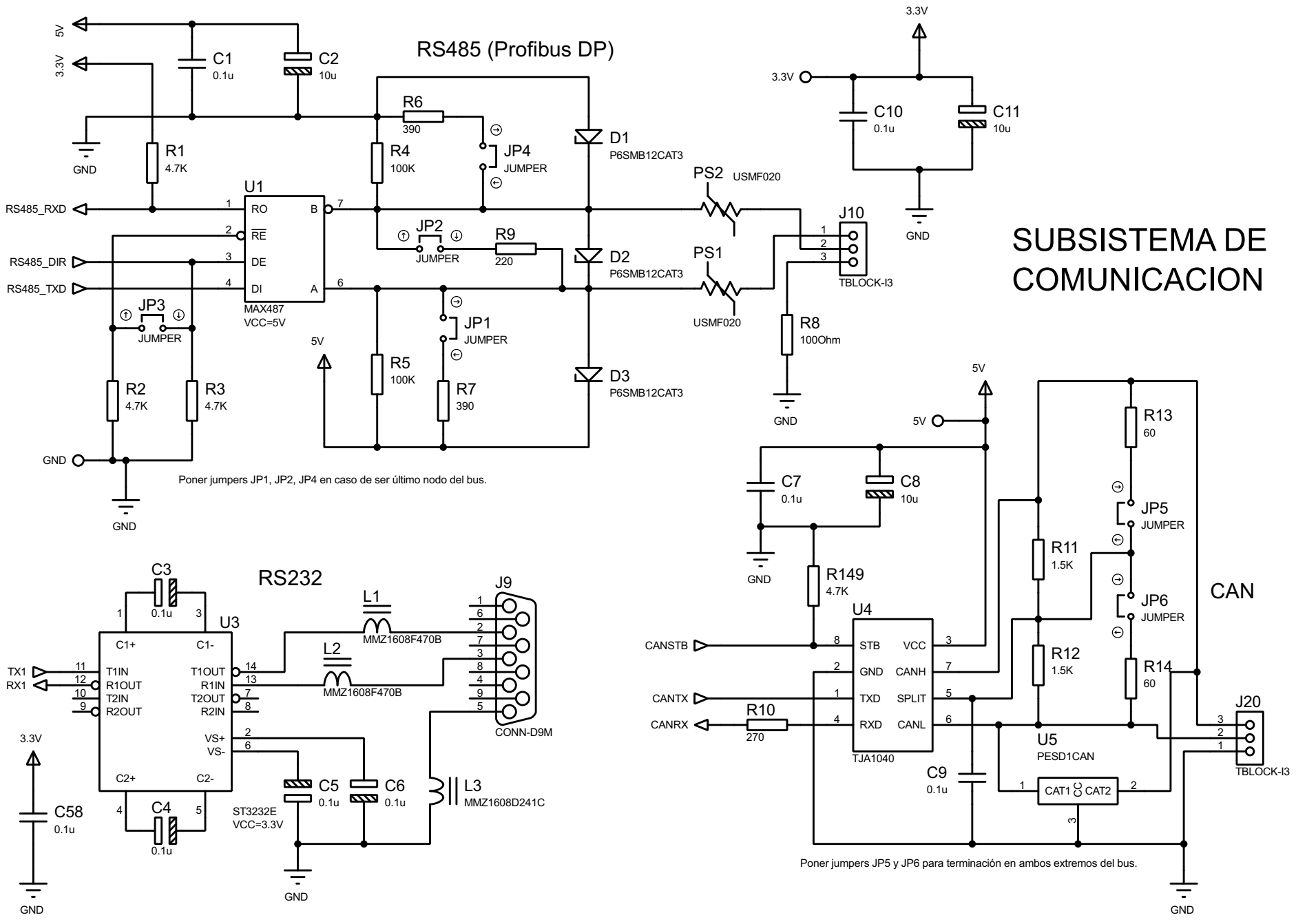




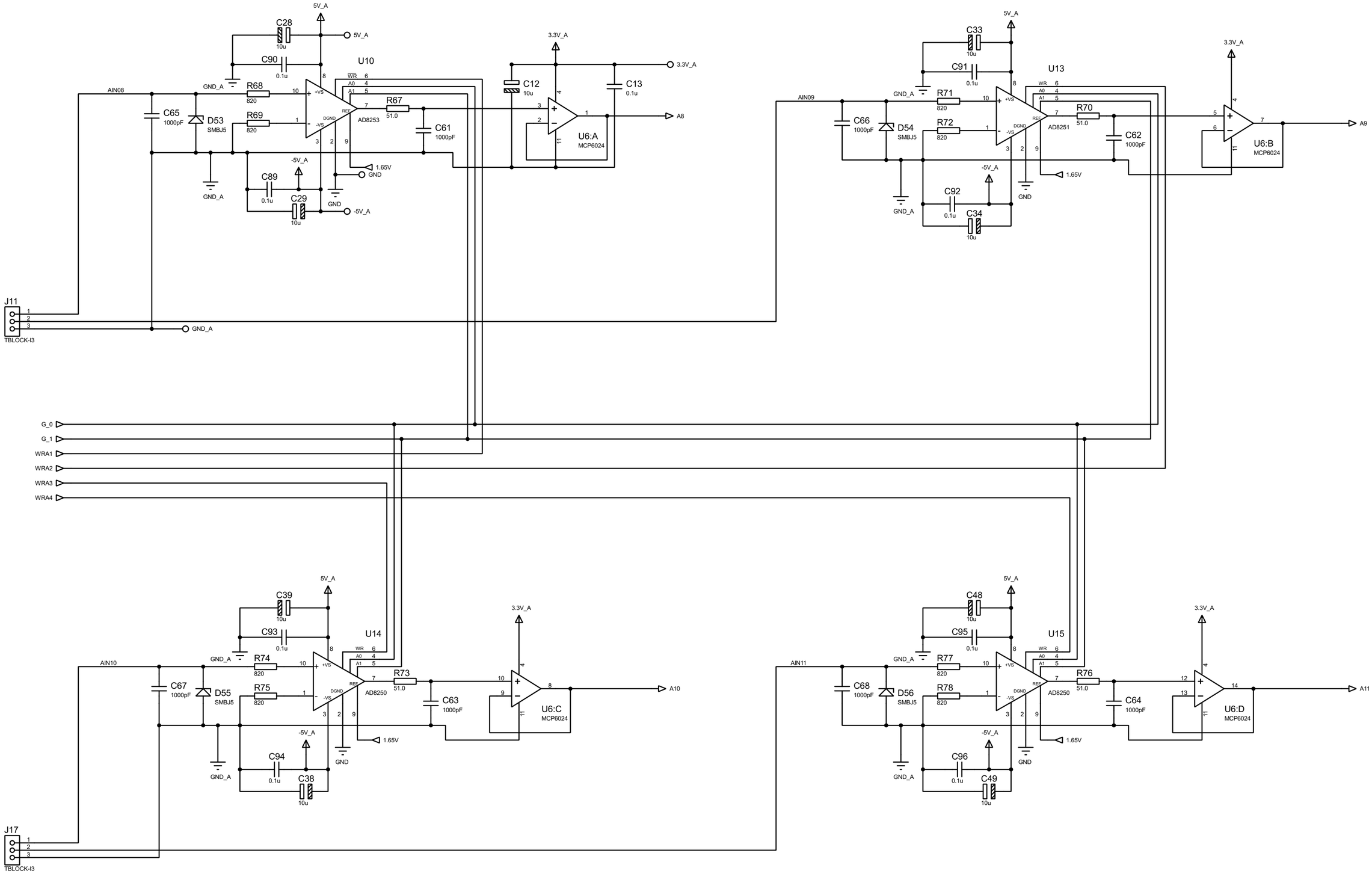




Salidas Open Drain limitadas a 1A
Salidas a relé con corriente máxima de contacto 2A resistivo


SUBSISTEMA DE COMUNICACION
RS485 (Profibus DP)
RS232
CAN
5V
3.3V
GND
C1
0.1u
C2
10u
C3
0.1u
C4
0.1u
C5
0.1u
C6
0.1u
C7
0.1u
C8
10u
C9
0.1u
C10
0.1u
C11
10u
C58
0.1u
R1
4.7K
R2
4.7K
R3
4.7K
R4
100K
R5
100K
R6
390
R7
390
R8
100Ohm
R9
220
R10
270
R11
1.5K
R12
1.5K
R13
60
R14
60
R149
4.7K
U1
MAX487
VCC=5V
RO
RE
DE
DI
B
A
RS485_RXD
RS485_DIR
RS485_TXD
U3
ST3232E
VCC=3.3V
C1+
C1-
C2+
C2-
T1IN
T2IN
R1OUT
R2OUT
T1OUT
T2OUT
R1IN
R2IN
VS+
VS-
TX1
RX1
U4
TJA1040
STB
GND
TXD
RXD
VCC
CANH
SPLIT
CANL
CANSTB
CANTX
CANRX
U5
PESD1CAN
CAT1
CAT2
JP1
JUMPER
JP2
JUMPER
JP3
JUMPER
JP4
JUMPER
JP5
JUMPER
JP6
JUMPER
D1
P6SMB12CAT3
D2
P6SMB12CAT3
D3
P6SMB12CAT3
PS1
USMF020
PS2
USMF020
L1
MMZ1608F470B
L2
MMZ1608F470B
L3
MMZ1608D241C
J9
CONN-D9M
J10
TBLOCK-I3
J20
TBLOCK-I3
Poner jumpers JP1, JP2, JP4 en caso de ser último nodo del bus.
Poner jumpers JP5 y JP6 para terminación en ambos extremos del bus.

SUBSISTEMA DE ENTRADAS ANALOGICAS TIPO IN-AMP



AD8250: Ganancia programable --> 1, 2, 5, 10

AD8251: Ganancia programable --> 1, 2, 4, 8

AD8253: Ganancia programable --> 1, 10, 100, 1000

SUBSISTEMA DE MEMORIA Y RTC