

A

B

C

D

A

B

C

D

1

2

3

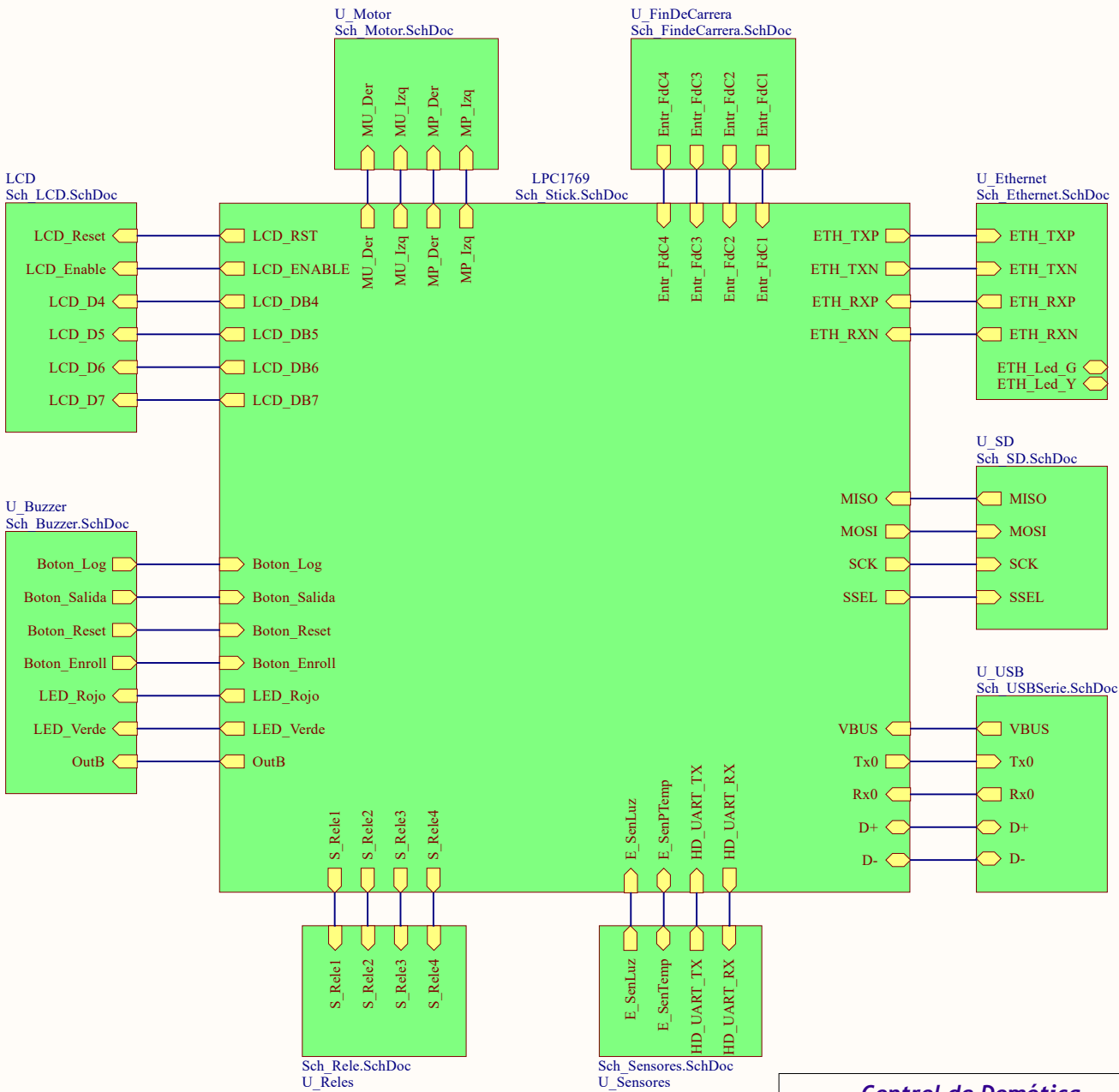
4

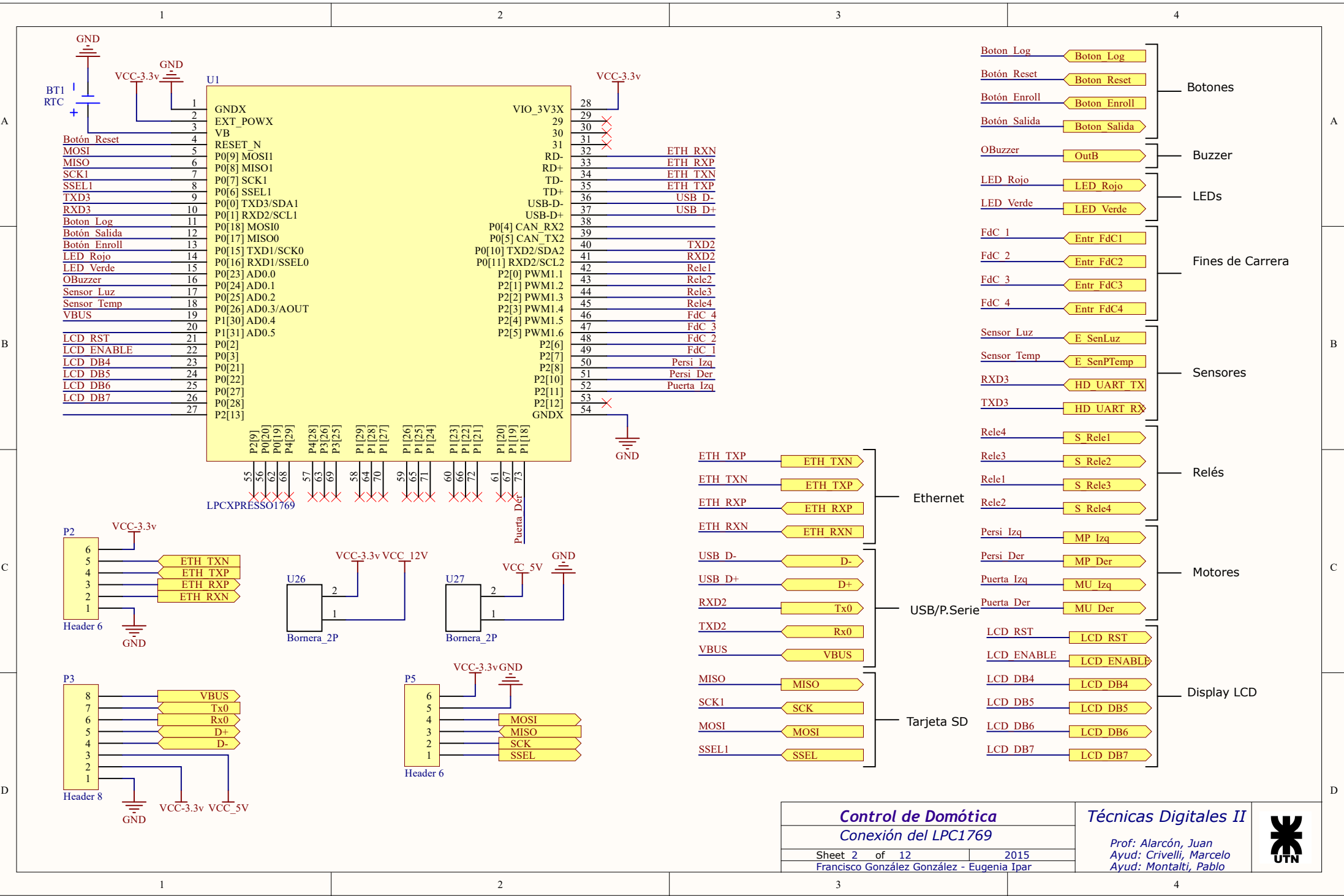
1

2

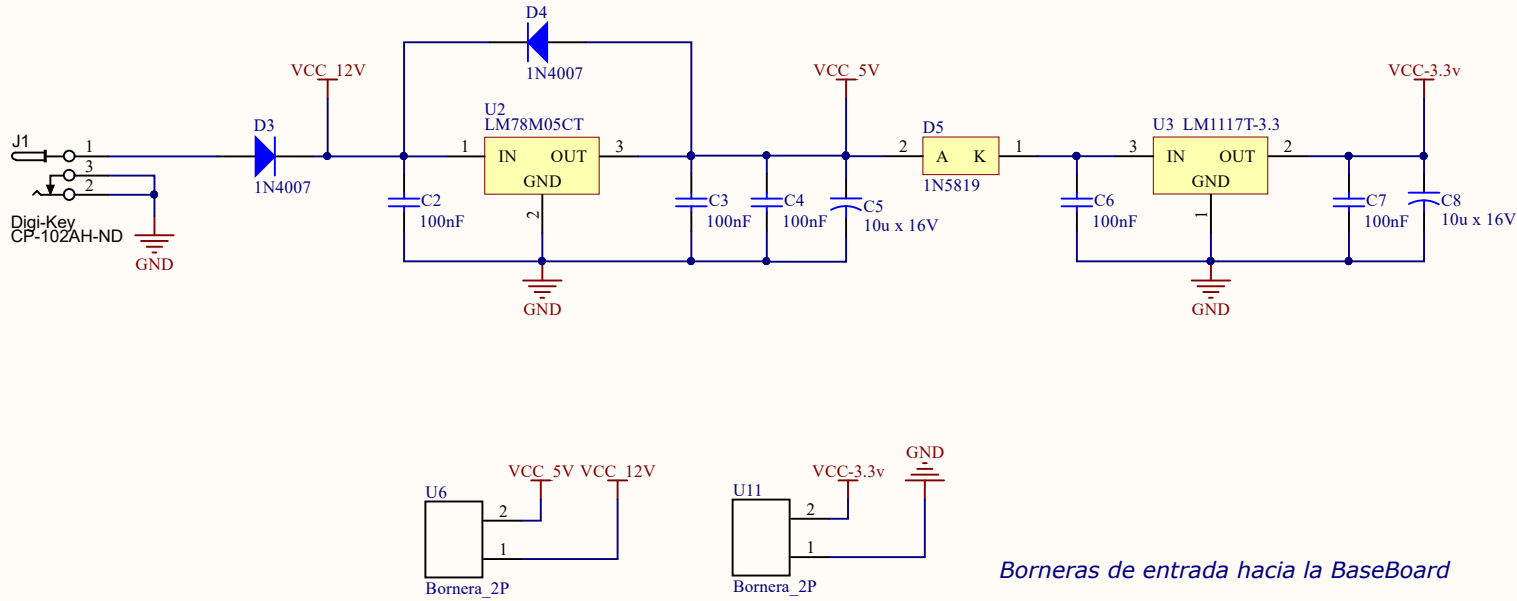
3

4





Fuente de Alimentación



Borneras de entrada hacia la BaseBoard

1

2

3

4

A

A

B

B

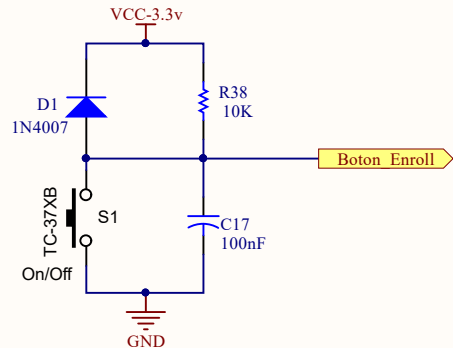
C

C

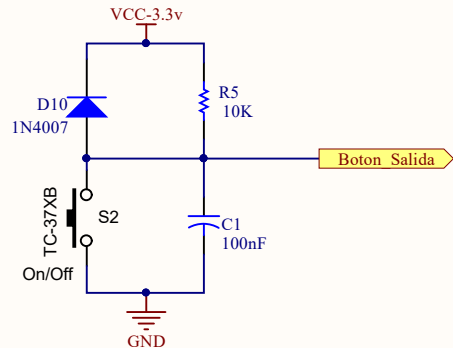
D

D

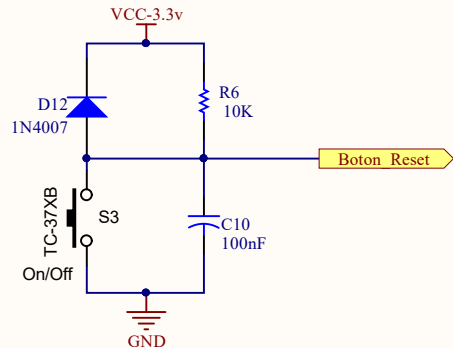
Circuito de Botón de Enroll



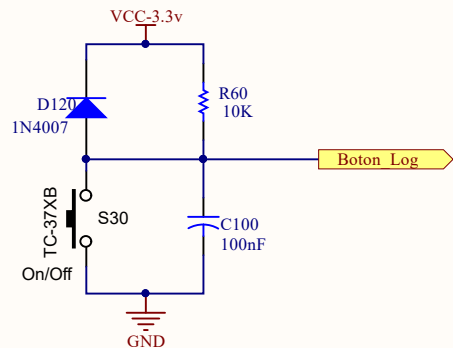
Circuito de Botón de Salida



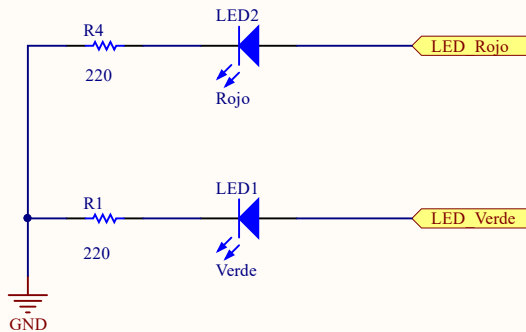
Circuito de Botón de Reset



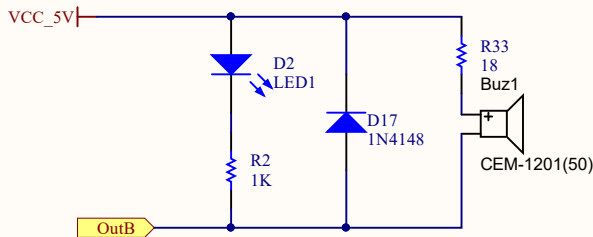
Circuito de Botón de Login



Circuito LEDs



Circuito del Buzzer



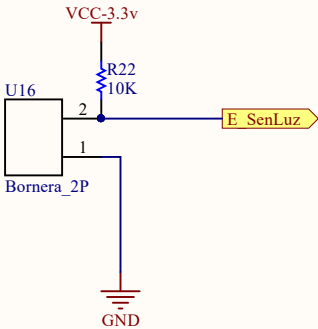
1

2

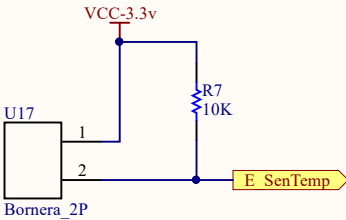
3

4

Sensor de Luz

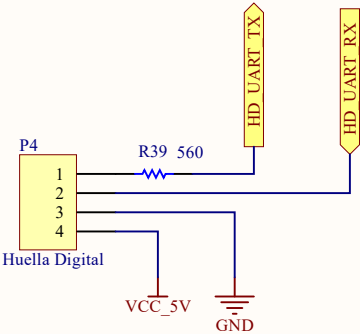


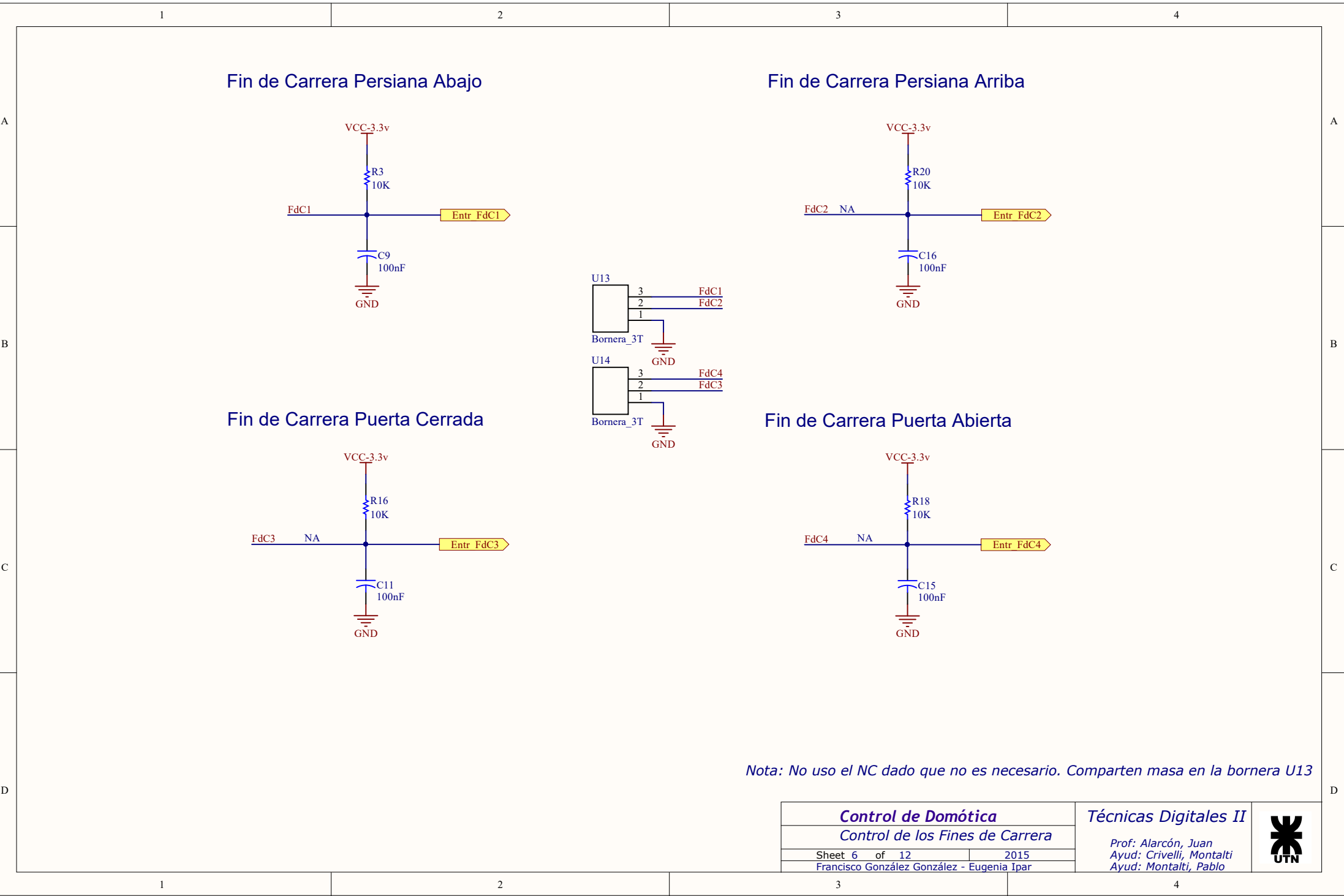
Sensor de Presión y Temperatura

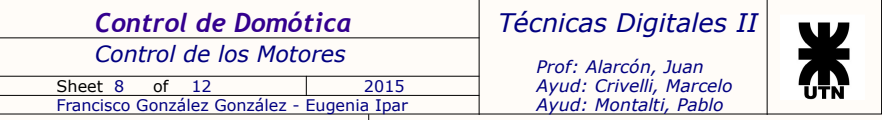


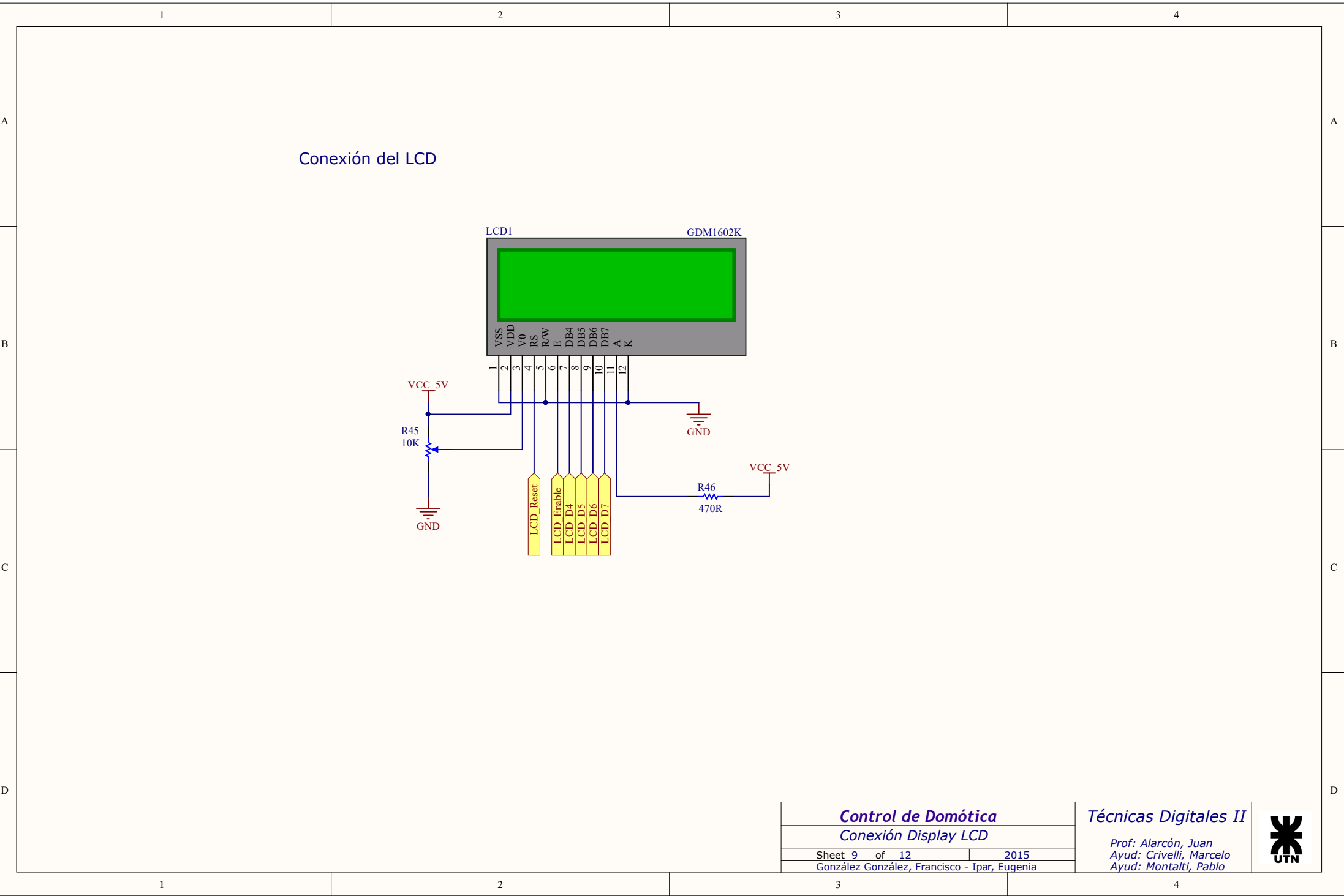
Nota: Poner la masa del sensor con masa del sensor de Luz

Lector de Huellas Digitales









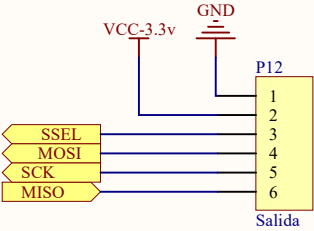
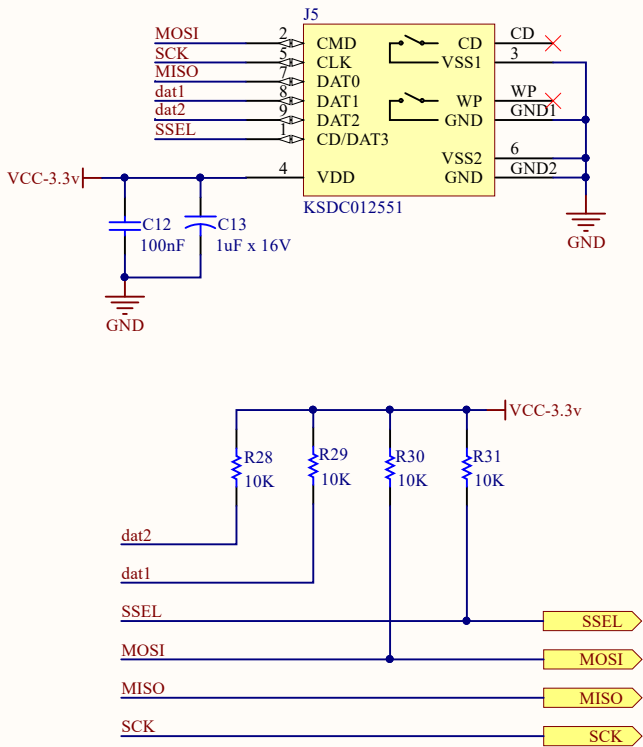
A



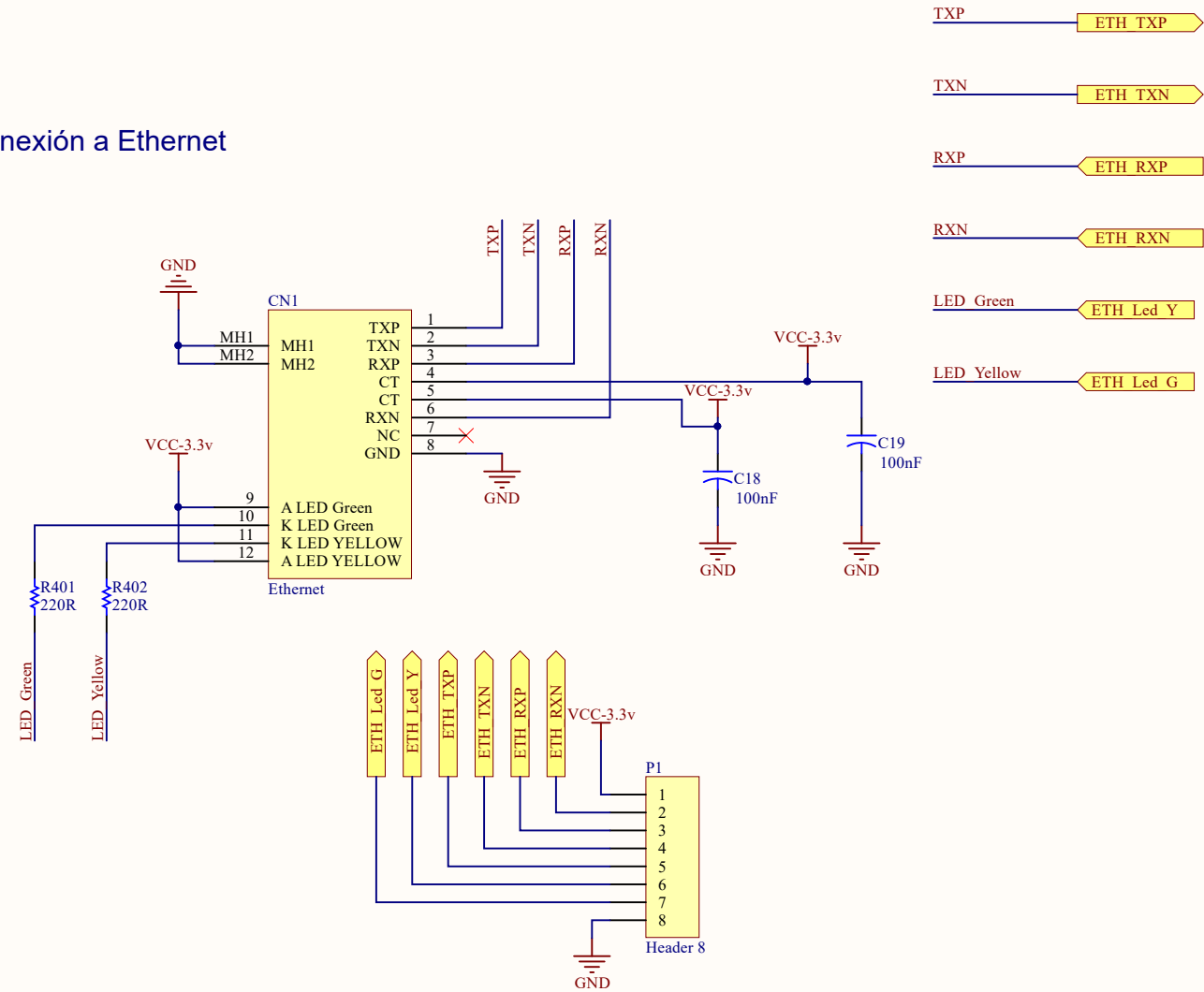
C



Conexión SD Card



Conexión a Ethernet



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|--------------------------|--|---|---------------------------|--------------------------|----------|
| 120591-1 | Lithium Battery Holder for CR2032 3V Cell | BT1 | TECO-120591-1-2_V | CMP-0438-00001-1 | 1 |
| Alternate part: 3100-932 | Speaker, Magnetic Transducer | Buz1 | BUZZER_12.0X8.5MM | BZ_12x8.5x6.5_2kHz | 1 |
| Cap2 | Capacitor | C1, C5, C8, C9, C10, C11, C13, C15, C16, C17, C18, C19, C20, C100 | CAPR5-4X5 | Cap2 | 14 |
| Cap | Capacitor | C2, C3, C4, C6, C7, C12 | RAD-0.3 | Cap | 6 |
| 1uF x 16V | Capacitor THT Alum Elec 220uF 20% 16V | C14 | CAPE3.5mm | CAPE_220u_16V_THD | 1 |
| Ethernet | RJ45 8pin Socket | CN1 | RJ45 | Ethernet | 1 |
| 1N4007 | 1 Amp General Purpose Rectifier | D1, D3, D4, D10, D12, D120 | DO-41 | Diode 1N4007 | 6 |
| LED1 | THT LED round mono-color color lens, WL-TMRW, Super Red | D2, D6, D7, D11, D14 | Type 3mm | CMP-1488-00002-1 | 5 |
| 1N5819 | Rectifier, 2-Pin Axial_Lead, Pb-Free, Bulk Bag | D5 | ONSC-AXIAL_LEAD-2-59-10_P | CMP-1055-00042-1 | 1 |
| 1N4148 | High Conductance Fast Diode | D8, D9, D13, D15, D17 | DO-35 | Diode 1N4148 | 5 |
| Red-LED | THT LED round mono-color color lens, WL-TMRW, Super Red | D16 | Type 3mm | CMP-1488-00002-1 | 1 |
| CONN_PWR_JACK_2.1x5.5 mm | Power Connector, THT, 2.1mm ID, 5.5mm OD | J1 | CONN_PWR_JACK_2.1x5.5 mm | CONN_PWR_JACK_2.1x5.5 mm | 1 |
| USB-B | Connector THT Type B USB connector | J2, J6 | USB_TypeB_Tyco | USB_TypeB | 2 |
| KSDC012551 | Secure Digital Card Socket | J5 | KONV-KSDC012551_V | CMP-0408-00001-2 | 1 |
| GDM1602K | LCD GDM1602K Rev2.2 | LCD1 | LCD | LCD | 1 |
| Verde | THT LED round mono-color waterclear, WL-TMRW, Green | LED1 | Type 5mm | CMP-1489-00005-1 | 1 |
| Rojo | THT LED round mono-color color lens, WL-TMRW, Red | LED2 | Type 5mm | CMP-1488-00008-1 | 1 |
| Header 8 | Header, 8-Pin | P1, P3, P14 | HDR1X8 | Header 8 | 3 |
| Header 6 | Header, 6-Pin | P2, P5 | HDR1X6 | Header 6 | 2 |
| Huella Digital | Header, 4-Pin | P4 | HDR1X4 | Header 4 | 1 |
| Salida | Header, 6-Pin | P12 | HDR1X6 | Header 6 | 1 |
| 2N5551RL1G | Amplifier Transistor, NPN Silicon, 3-Pin TO-92, Pb-Free, Tape and Reel | Q1, Q2, Q4, Q5 | ONSC-TO-92-3-29-11_AM_BL | CMP-1048-01479-1 | 4 |
| Res1 | Resistor | R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R17, R18, R19, R20, R21, R22, R24, R25, R26, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R42, R43, R44, R46, R60, R401, R402 | AXIAL-0.3 | Res1 | 42 |
| Relay-12VDC | | R14, R15, R23, R27 | Rele | Component_1 | 4 |
| RPot | Potentiometer | R45 | VR5 | RPot | 1 |
| SW_THT_PB_5.0mm | Switch, tact, 5.0mm stem | S1, S2, S3, S30 | TACT-SWITCH-TC-37XB | SW_THT_PB_5.0mm | 4 |
| SP0503BAHT | Diode Array 30pF 30kV | SP1, SP2 | SOT190P237X120-4N | Component_1 | 2 |
| LPCXPRESSO1769 | | U1 | Stick | LPC1769_Stick | 1 |
| LM78M05CT | 3-Terminal Positive Voltage Regulators, 3-pin TO-220 | U2 | T03B | CMP-0062-02484-2 | 1 |
| LM1117T-3.3 | 800mA Low-Dropout Linear Regulator, 3-pin TO-220 | U3 | T03B | CMP-0062-02490-2 | 1 |
| 4N25 | Optoacoplador | U4, U5, U7, U8 | DIP6 | Opto-4N25 | 4 |
| Bornera_2P | | U6, U11, U16, U17, U18, U19, U20, U21, U22, U23, U26, U27 | Bornera | Bornera_2P | 12 |
| L293D | Texas Quadruple Half-H Drivers | U9 | DIP16 | L293D | 1 |
| CP2102 | | U10 | CP2102 | Component_1 | 1 |
| Bornera_3T | Bornera de 3 Terminales P | U13, U14 | BORNERA_3 | Bornera_3T | 2 |
| | | | | | |