

Bloques

**Daniel .E. Zamora Sifredo / CUJAE / FIAB**

Sheet: /

File: AutoPLC-v1.sch

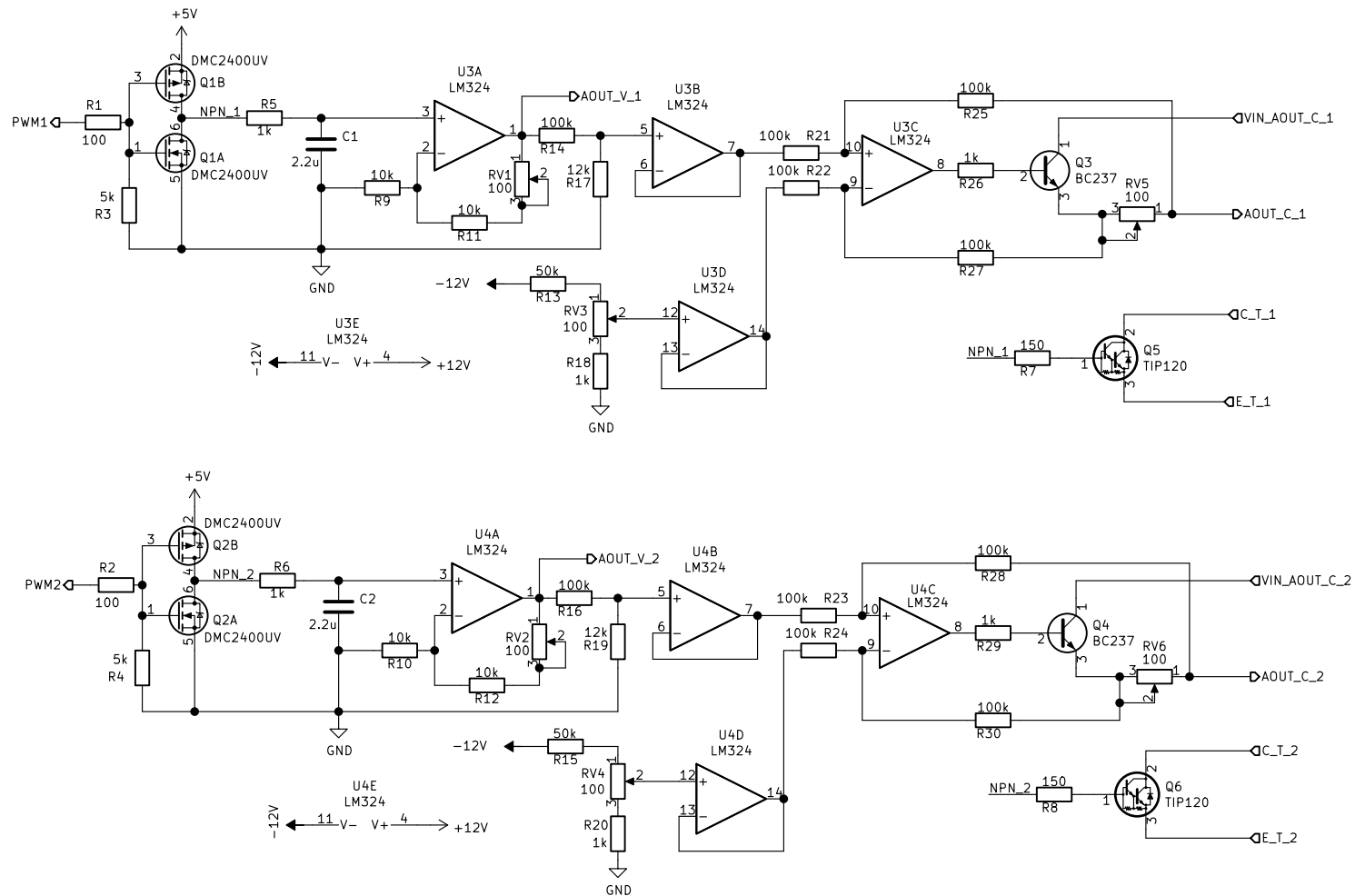
**Title: AutoPLC-v1**

Size: A4 Date: 2021-11-08

KiCad E.D.A. kicad (5.1.5)-3

**Rev: 1.01**

Id: 1/9



(4-20mA/0-10V/NPN)

Salidas 1 y 2

Daniel .E. Zamora Sifredo / CUJAE / FIAB

Sheet: /S\_Analog\_1/

File: S\_Analog\_1.sch

**Title: Salidas Analógicas/PWM de AutoPLC-v1**

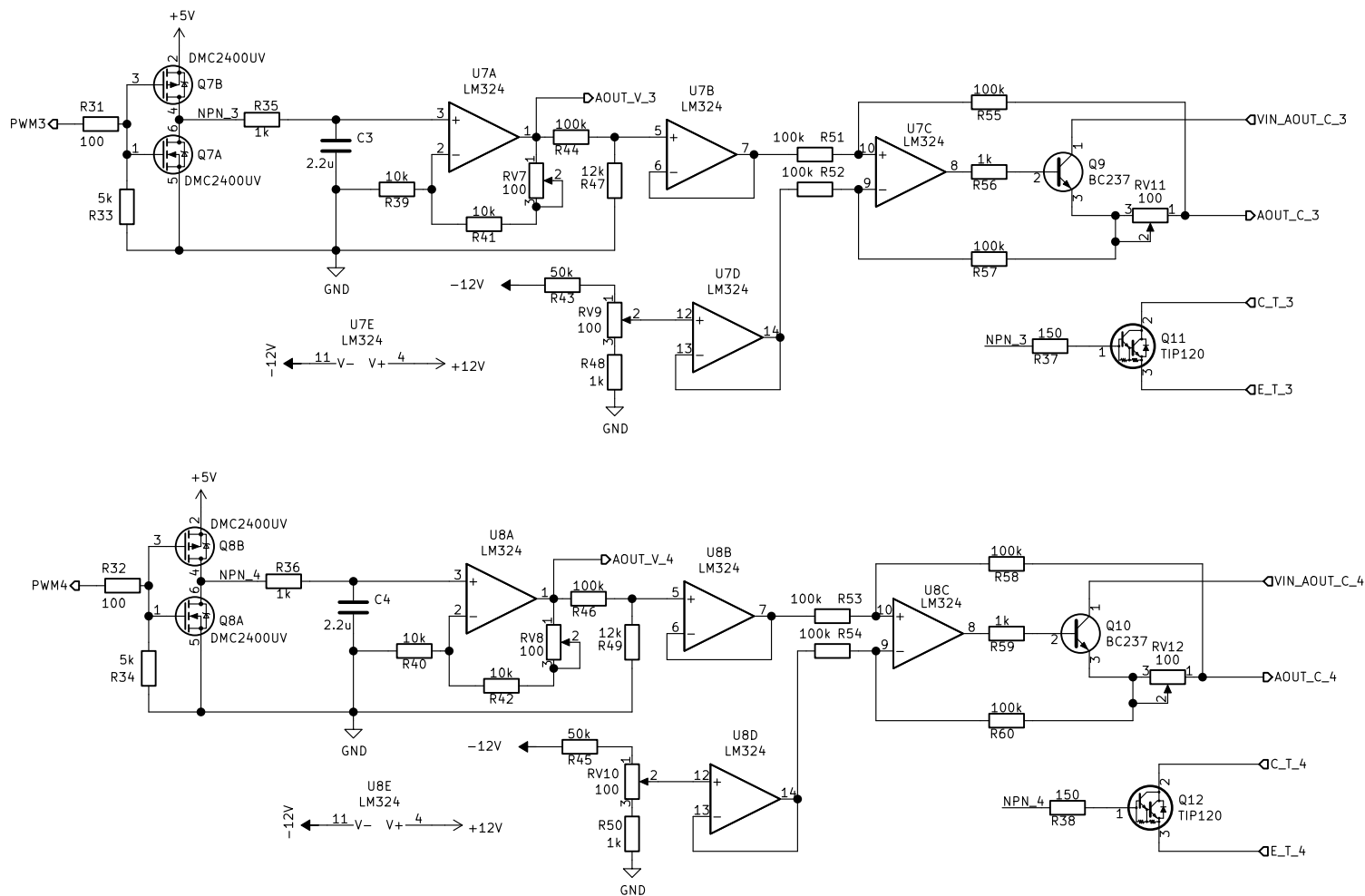
Size: A4

Date: 2021-11-08

Rev: 1.01

KiCad E.D.A. kicad (5.1.5)-3

Id: 2/9



(4-20mA/0-10V/NPN)

Salidas 3 y 4

Daniel .E. Zamora Sifredo / CUJAE / FIAB

Sheet: /S\_Analog\_2/

File: S\_Analog\_2.sch

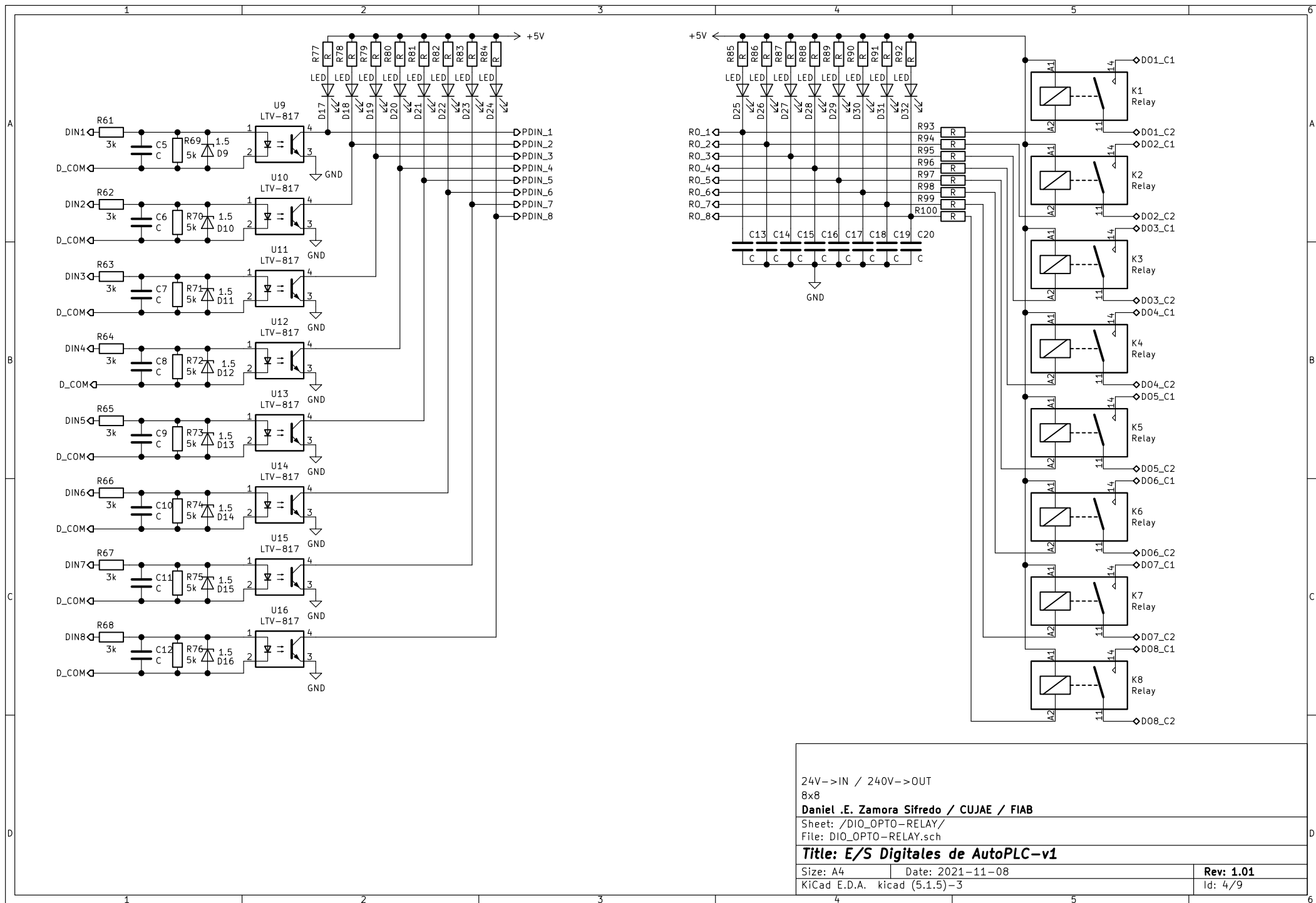
**Title: Salidas Analógicas/PWM de AutoPLC-v1**

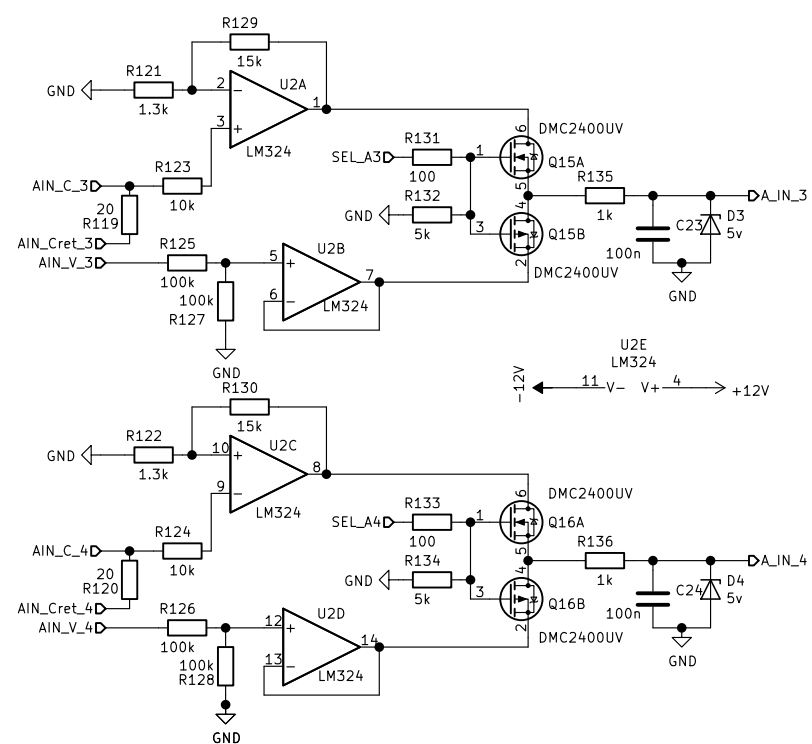
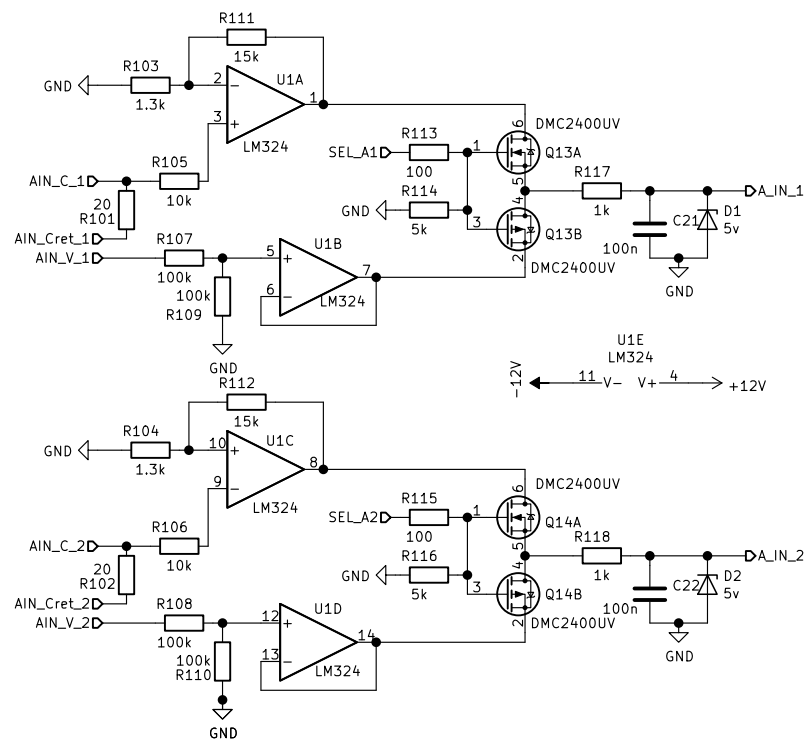
Size: A4 Date: 2021-11-08

KiCad E.D.A. kicad (5.1.5)-3

Rev: 1.01

Id: 3/9





(4-20mA/0-10V)

Entradas 1,2,3,4

Daniel .E. Zamora Sifredo / CUJAE / FIAB

Sheet: /E\_Analog\_1/

File: E\_Analog\_1.sch

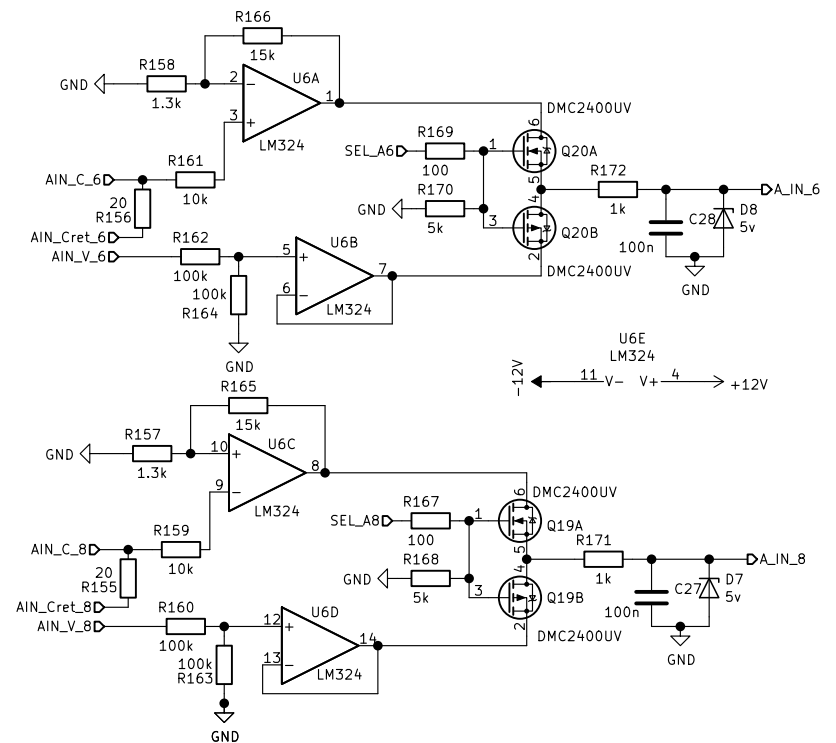
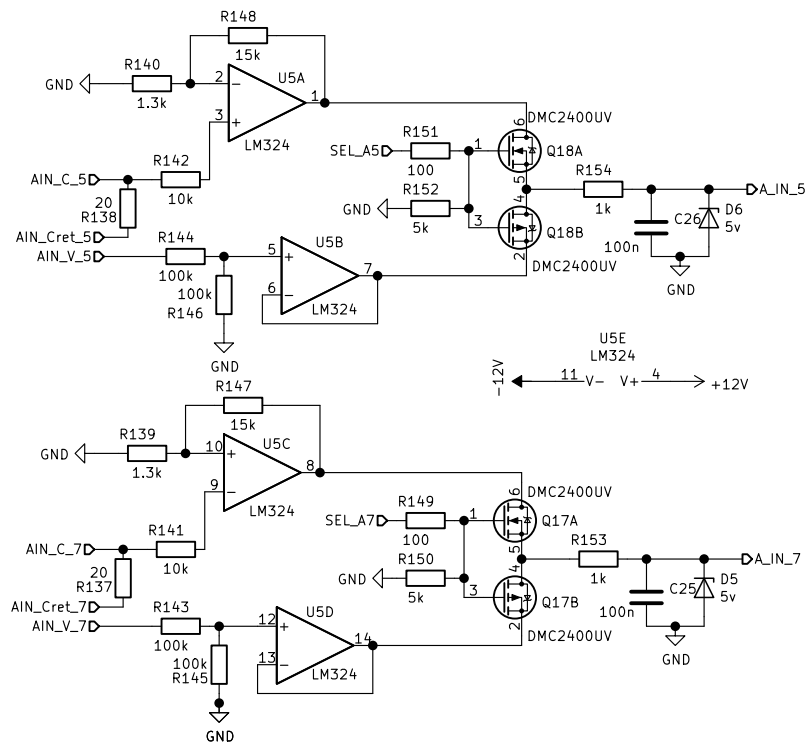
**Title: Entradas Analógicas de AutoPLC-v1**

Size: A4 Date: 2021-11-08

KiCad E.D.A. kicad (5.1.5)-3

Rev: 1.01

Id: 5/9



(4–20mA/0–10V)

Entradas 5,6,7,8

**Daniel .E. Zamora Sifredo / CUJAE / FIAB**

Sheet: /E\_Analog\_2/

File: E\_Analog\_2.sch

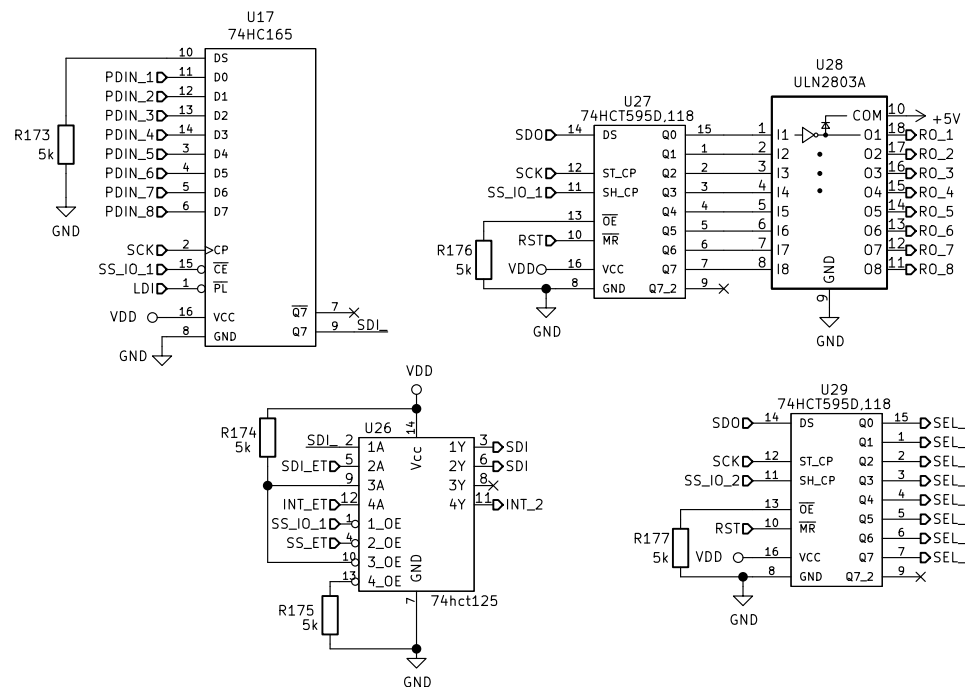
**Title: Entradas Analógicas de AutoPLC–v1**

Size: A4 Date: 2021–11–08

KiCad E.D.A. kicad (5.1.5)–3

**Rev: 1.01**

Id: 6/9



- \* Se debe dar un pulso de SCK para carga paralelo antes de leer entradas
- \* SS\_IO\_2 es para el puerto de configuración de entradas analógicas
- \* LDI es el bit de carga paralelo. Se debe activar despues de SS\_IO\_1
- \* Señales SPI del módulo Ethernet (3.3V -> VDD)

**Daniel .E. Zamora Sifredo / CUJAE / FIAB**

Sheet: /DIO\_SPI/

File: DIO\_SPI.sch

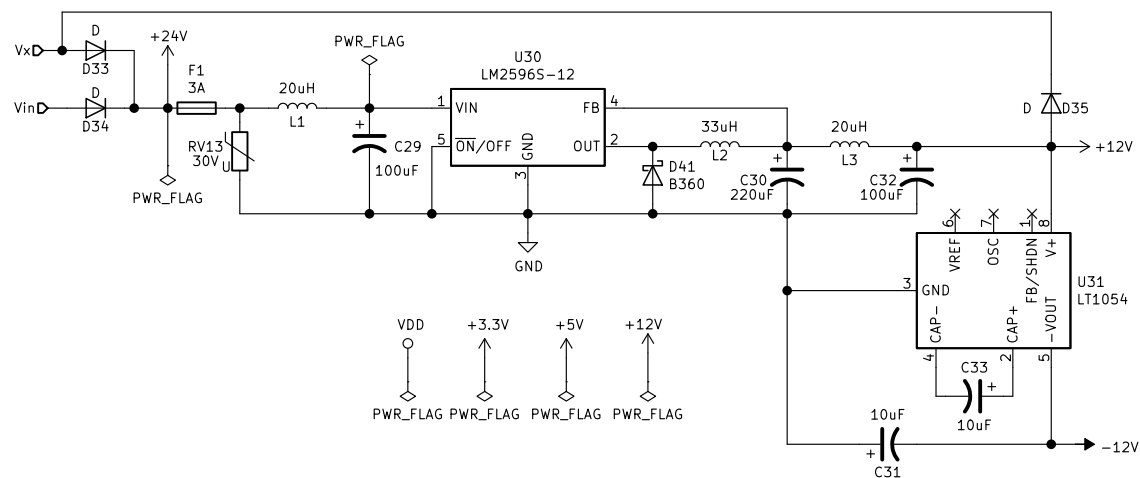
**Title: Puertos SPI, AutoPLC-v1**

Size: A4 Date: 2021-11-08

KiCad E.D.A. kicad (5.1.5)-3

**Rev: 1.01**

Id: 7/9



Fuente +12V hasta 3A  
Fuente -12V solo para AOPs  
**Daniel .E. Zamora Sifredo / CUJAE / FIAB**

Sheet: /Power/  
File: Power.sch

**Title: Fuente +12V/-12V (AutoPLC-v1)**

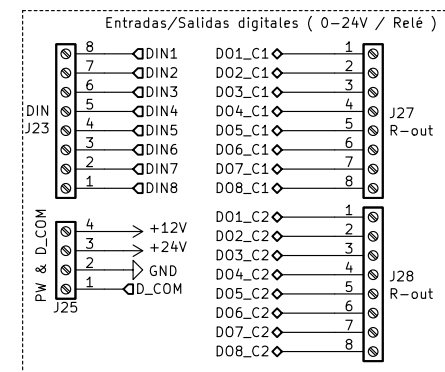
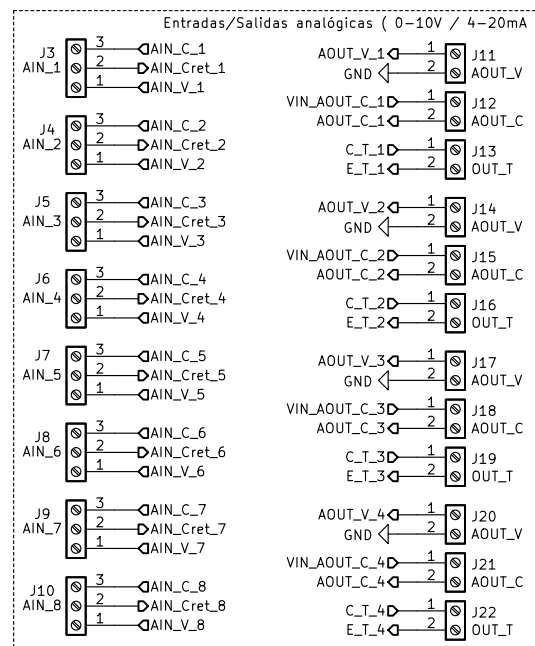
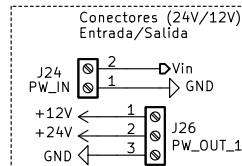
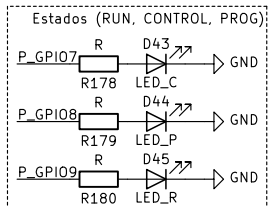
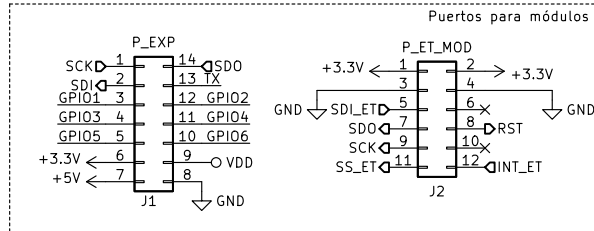
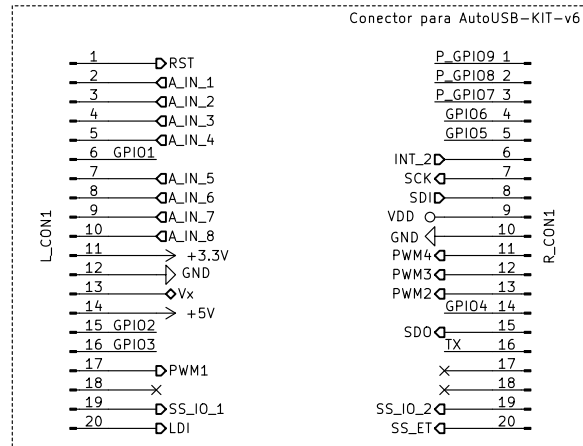
Size: A4 Date: 2021-11-08

KiCad E.D.A. kicad (5.1.5)-3

**Rev: 1.01**

Id: 8/9





Puerto para módulo Ethernet  
(4–20mA/0–10V/NPN)  
Salidas 3 y 4

**Daniel .E. Zamora Sifredo / CUJAE / FIAB**

Sheet: /Terminales/

File: Terminales.sch

**Title: Salidas Analógicas/PWM de AutoPLC–v1**

Size: A4 Date: 2021–11–08

KiCad E.D.A. kicad (5.1.5)–3

**Rev: 1.01**

Id: 9/9