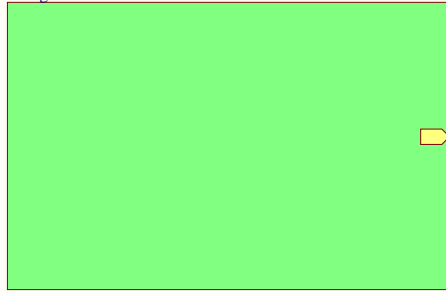


Designator



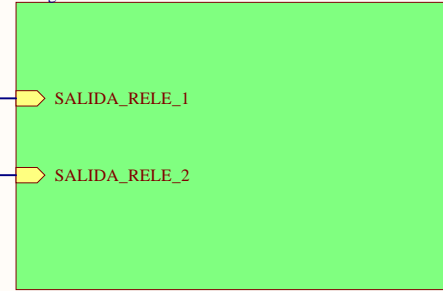
02 Alimentacion.SchDoc

Designator




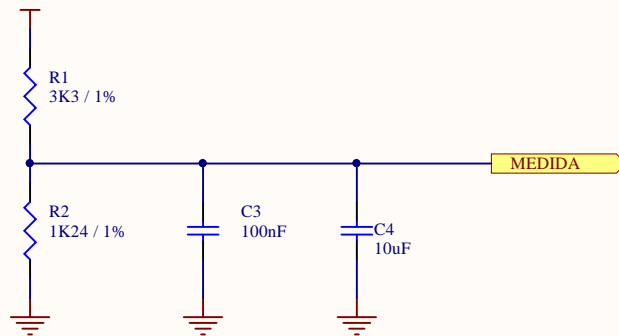
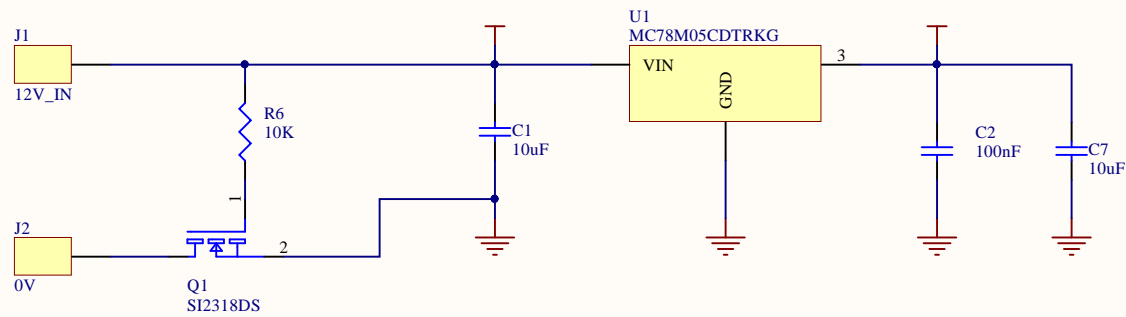
03 Control.SchDoc

Designator



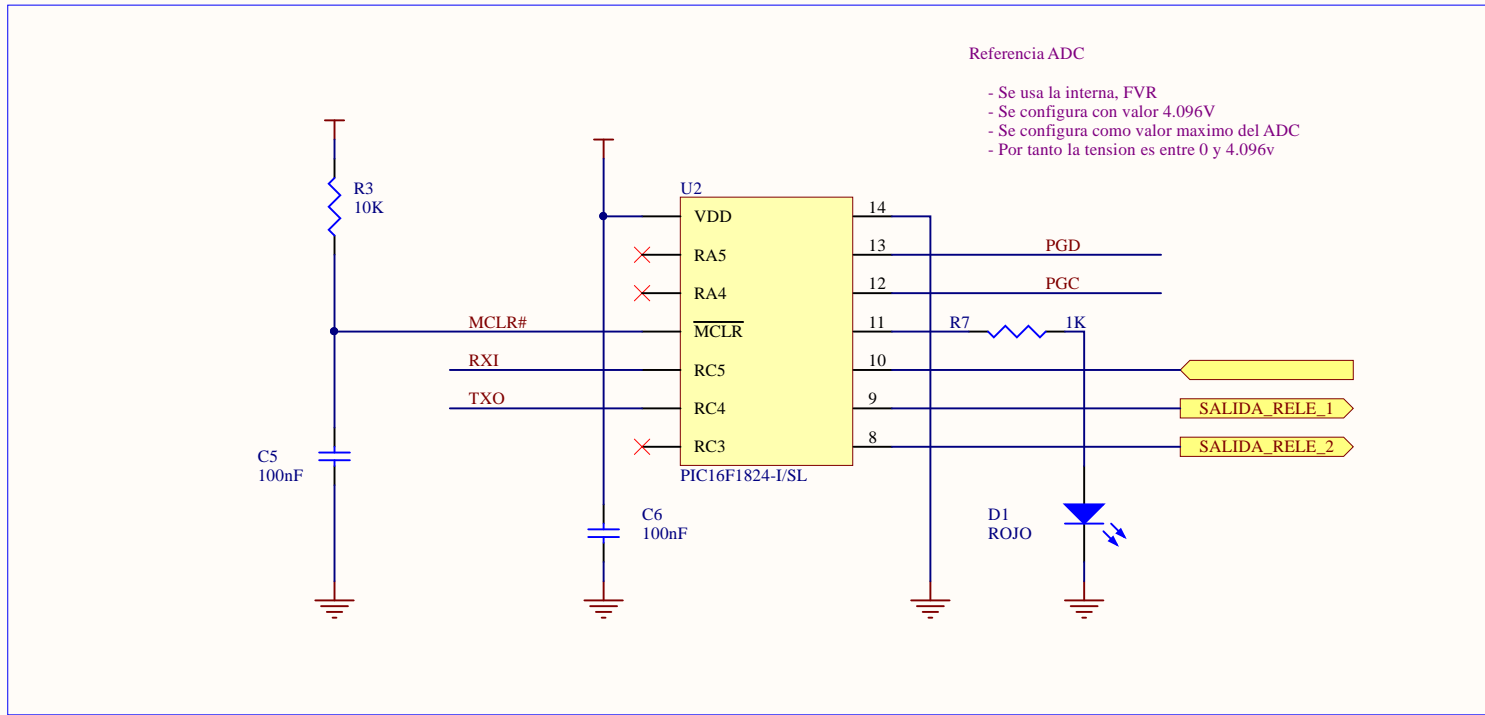
04 Salida Rele.SchDoc

Title Diagrama Principal			Battery Monitor 12V IN / 2 SSR OUT	
Size: A4	Number: 1	Revision: 01	Design by	
Date: 20/07/2018	Time: 12:07:59	Sheet 1 of 4	www.jechavarria.com	
File: F:\Trabajo\Rele Supervision Bateria\VI.0\02 Diseño\DSN_CONTROL_BATERIA (WEB)\01 Diagrama Principal.SchDoc				



$$\text{MEDIDA} = 12V_IN * (R2/R1+R2)$$

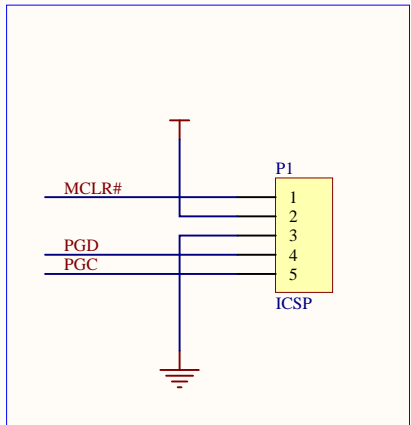
Entrada maxima: 15V	---	MEDIDA = 4.087V
Entrada: 12V	---	MEDIDA = 3.269V
Entrada 11.8V:	---	MEDIDA = 3.215V
Entrada 11.4V:	---	MEDIDA = 3.106V
Entrada 11.2V:	---	MEDIDA = 3.051V
Entrada 11.1V:	---	MEDIDA = 3.024V
Entrada 11V:	---	MEDIDA = 2.997V



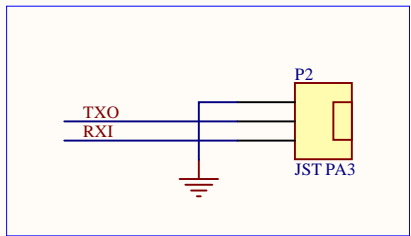
PIC16F1824 Microcontroller

Referencia ADC

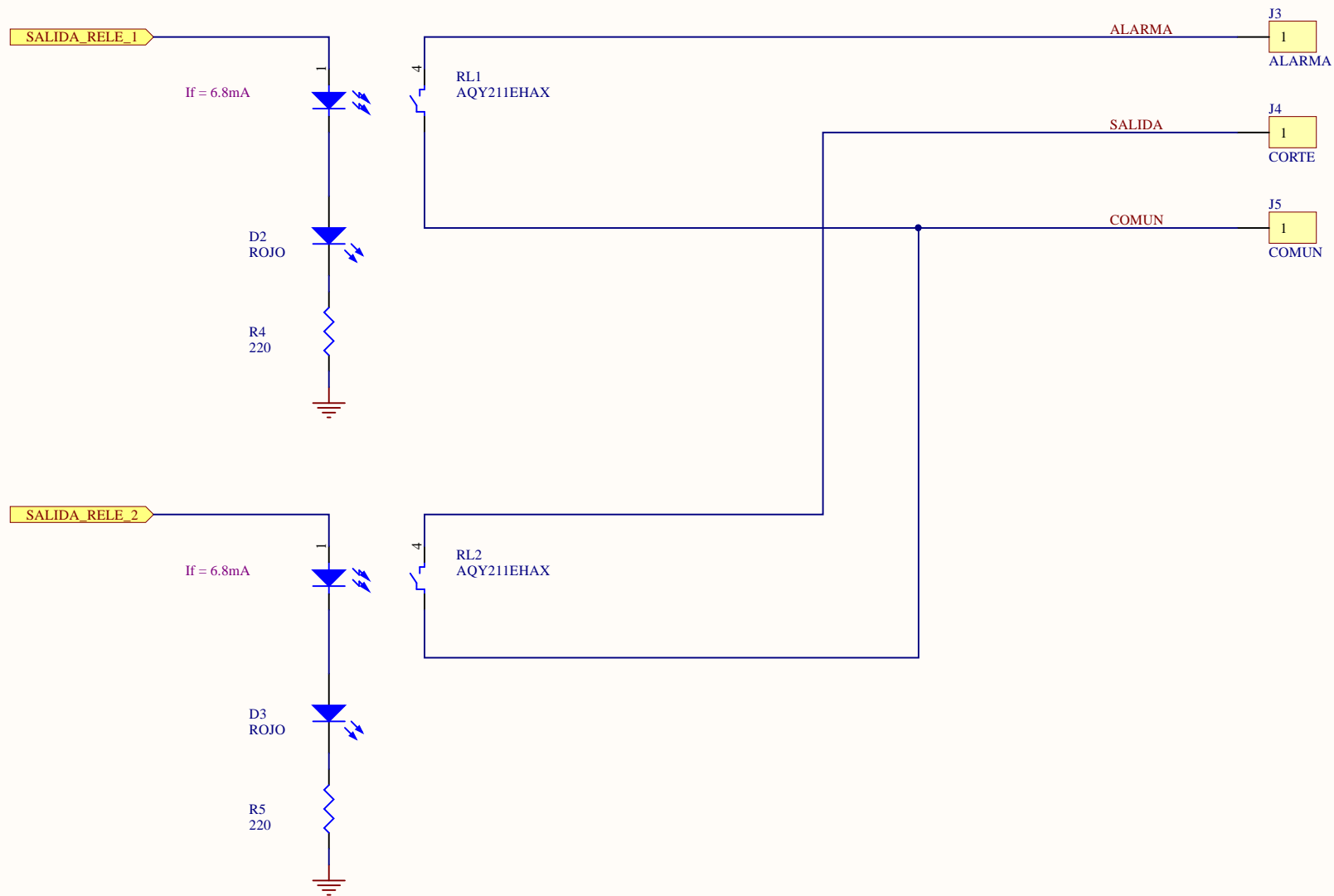
- Se usa la interna, FVR
- Se configura con valor 4.096V
- Se configura como valor maximo del ADC
- Por tanto la tension es entre 0 y 4.096v




ICSP Port



UART TTL Port



Title Salida Reles			Battery Monitor 12V IN / 2 SSR OUT	
Size: A4	Number: 4	Revision: 01	Design by www.jechavarria.com	
Date: 20/07/2018	Time: 12:07:59	Sheet 4 of 4		
File: F:\Trabajo\Rele Supervision Bateria\VI.0\02 Diseño\DSN_CONTROL_BATERIA (WEB)\04 Salida Rele.SchDoc				