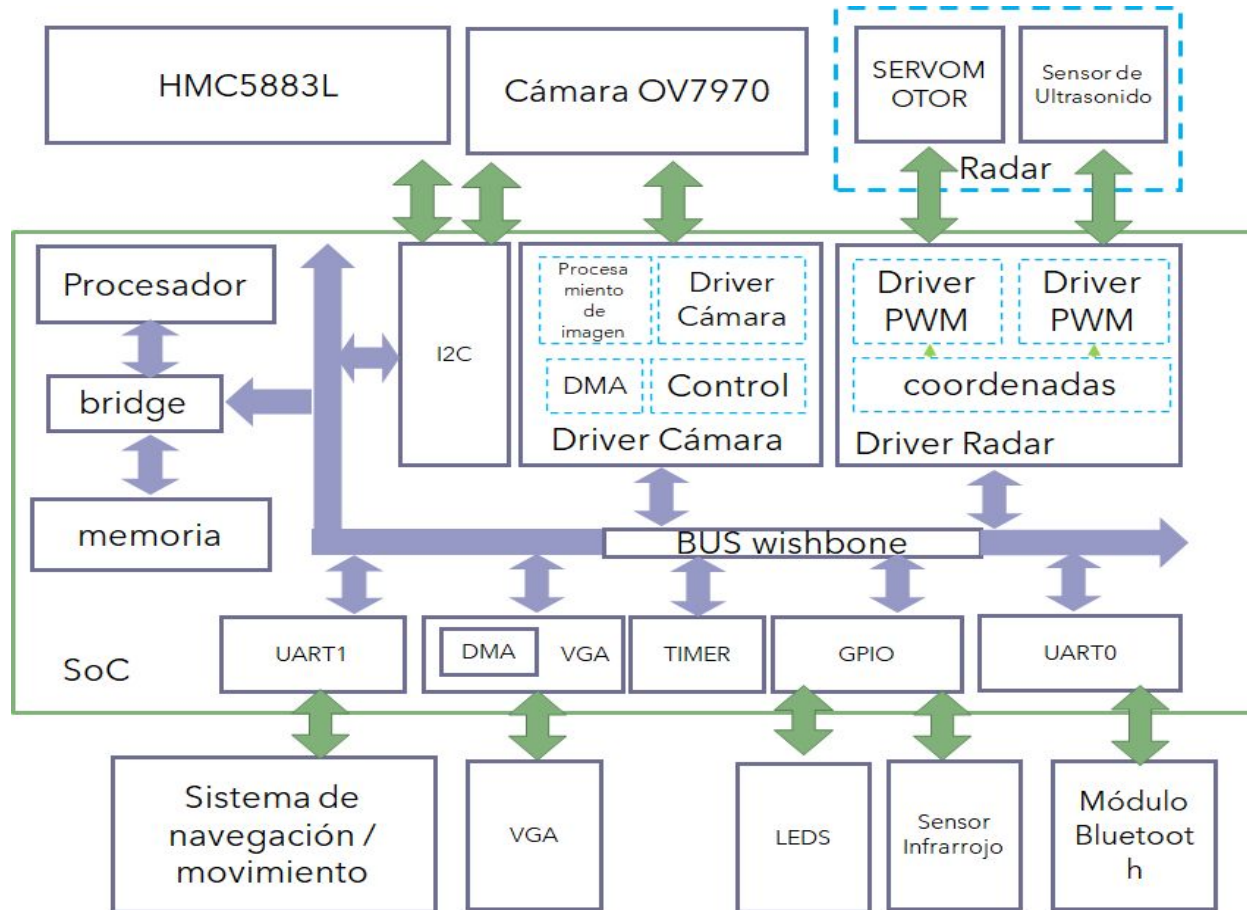


Proyecto SoC Robot Cartógrafo

Grupo 5

David Rodriguez Soler
Santiago Ducuara Lizcano
Carlos Yezid Rubio



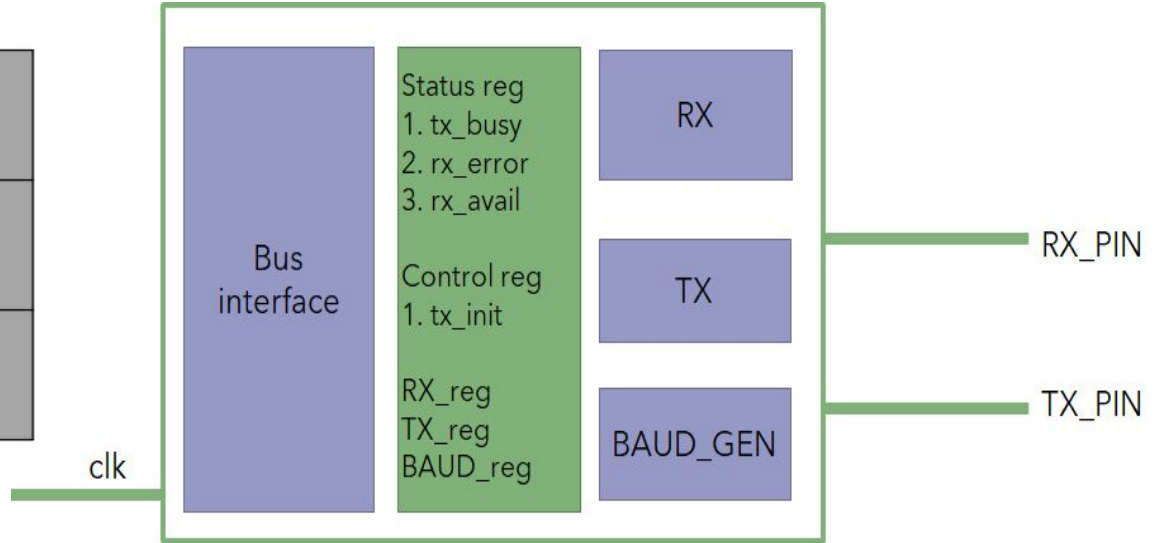
SoC Robot Cartógrafo

VGA	0x80000FFF 0x80000F00
CÀMARA	0x80000EFF 0x80000E00
RADAR	0x80000DFF 0x80000D00
I2C	0x80000CFF 0x80000C00

UART1	0x80000BFF 0x80000B00
TIMER	0x80000AFF 0x80000A00
GPIO	0x800009FF 0x80000900
UART0	0x800008FF 0x80000800
SRAM	0x800007FF 0x80000700
RAM	0x00000000

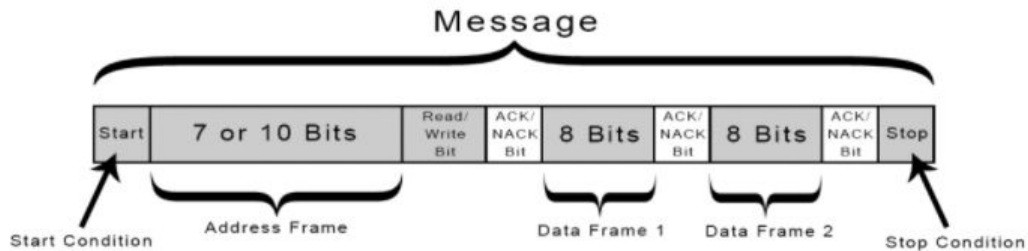
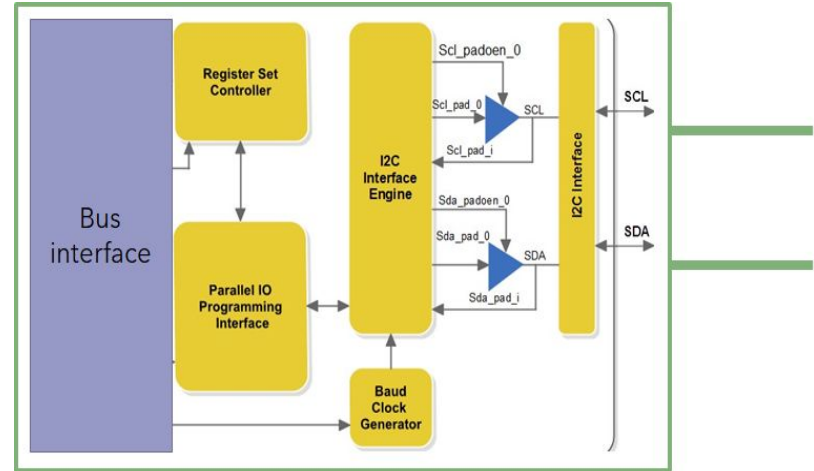
UART

BAUD	0x08+base
UCR	0x04+base
RXTX	0x00+base



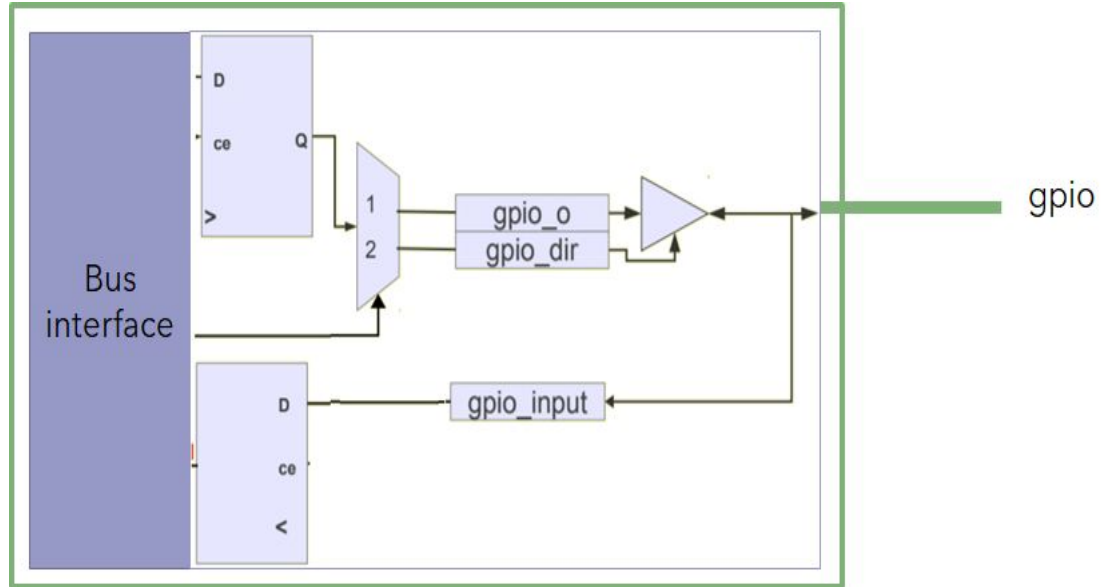
I2C

CTR	0x08+base
BAUD	0x04+base
SDA	0x00+base



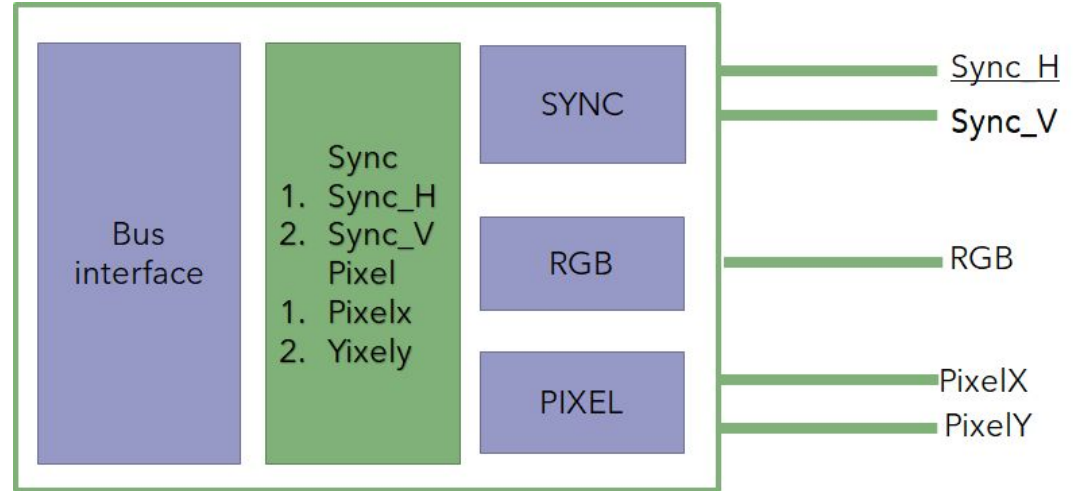
GPIO

WRITE	0x08+base
READ	0x04+base
DIR	0x00+base

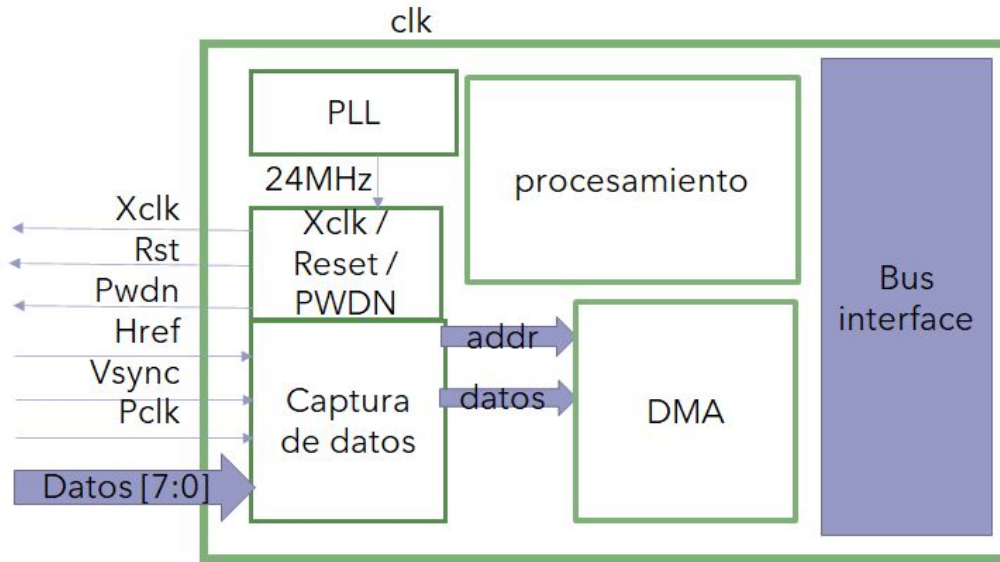


VGA

#Pixel	0x0C+base
RGB	0x08+base



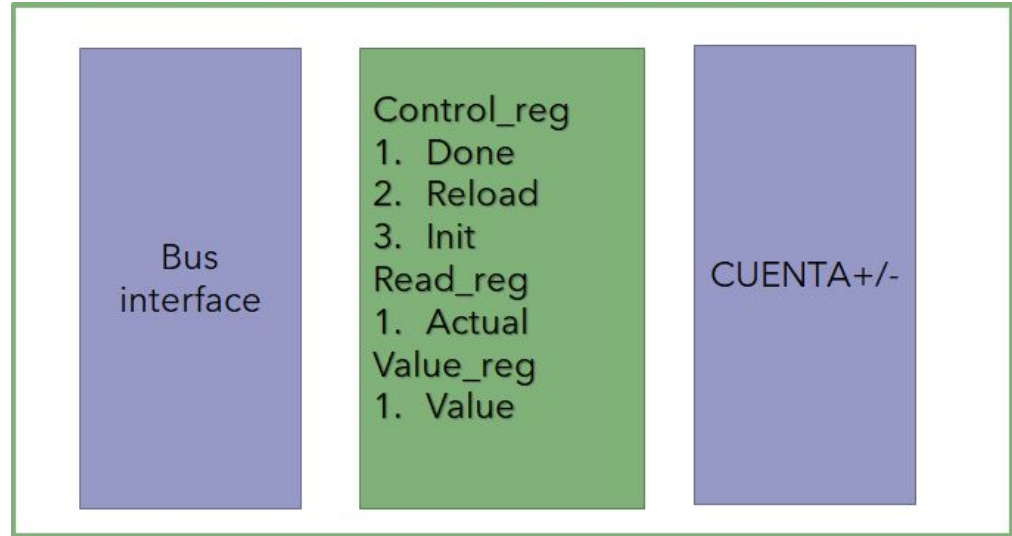
CÁMARA



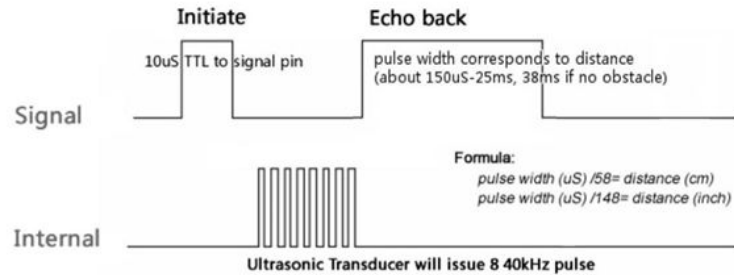
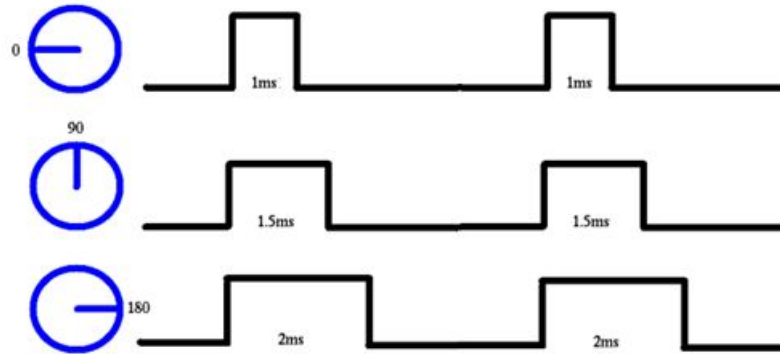
DONE	0x0C+base
FIGURA	0x08+base
COLOR	0x04+base
INIT	0x00+base

TIMER

UpDown	0x0C+base
Control	0x08+base
Actual	0x04+base
Value	0x00+base

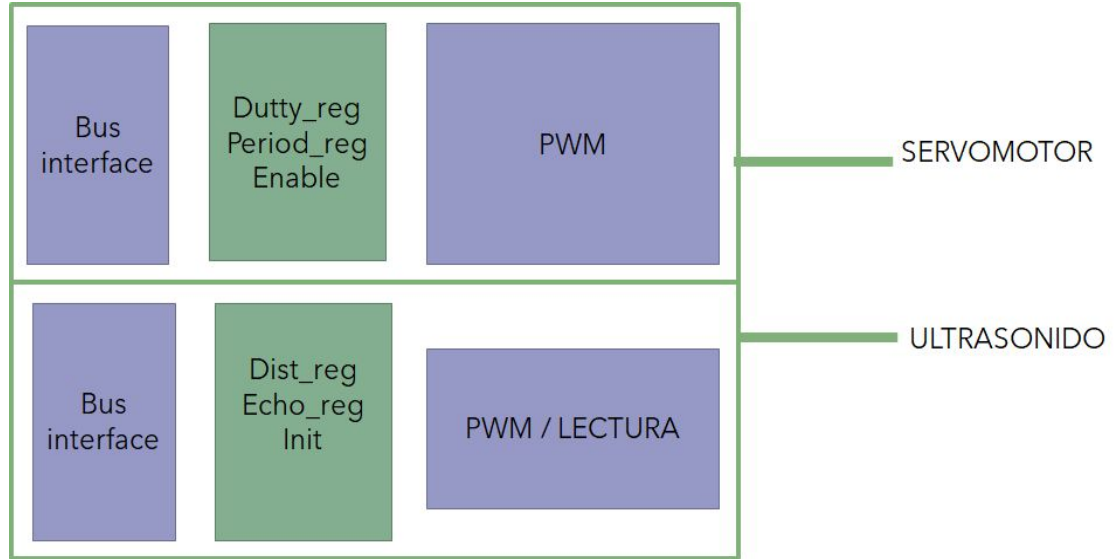


RADAR



RADAR

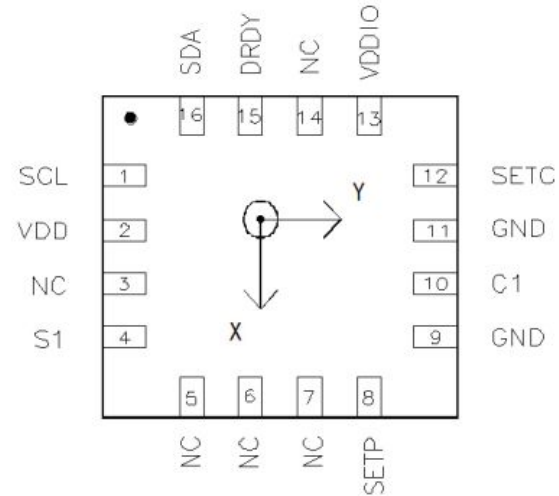
DUTTY	0x14+base
PERIOD	0x10+base
ENABLE	0x0c+base
DIST	0x08+base
ECHO	0x04+base
INIT	0x00+base



MAGNETÓMETRO (HMC5883L)

I2C

CTR	0x08+base
BAUD	0x04+base
SDA	0x00+base



Referencias

- https://cdn-shop.adafruit.com/datasheets/HMC5883L_3-Axis_Digital_Compass_IC.pdf
- <http://www.datasheet.es/PDF/940447/OV7910-pdf.html>