INSTALACION

Student Licenses

Providing the Tools & Techniques to Build a Better Tomorrow

As a student, your passion for designing electronics is limited only by the resources that you have at your disposal. Here at Altium, we believe that the future of electronics lies in the hands of students just like you. That's why we're committed to helping you along every step of your journey.

The Student License Program helps students all over the world access professional engineering solutions. With these tools, you'll get the experience you need to launch your career and build a better tomorrow.

Get Your Free License

Please fill out the form below to qualify for your student license.

First Name*

First Name

Last Name*

Last Name

https://www.altium.com/solutions/academic-programs/student-licenses

About Your Altium Designer Student License

Hi Juan,

Thank you for choosing Altium Designer. This email contains your license details and information about getting started with your new Altium software.

If you are already familiar with the Altium installation and activation process, simply scroll down this email to find your license information.

Step 1: Activate AltiumLive
AltiumLive is where you access the Altium online ecosystem. If you have not already done so, you will need to activate your AltiumLive account before you can continue.

- Activate AltiumLive

Step 2: Download Altium Designer
Installers for Altium products are available from the downloads page. You will need to login with your AltiumLive account you activated in the previous step to download the installers.

- Altium Downloads

Step 3: Install and Activate Software
Double click the installer application, login with your previously created AltiumLive account, and follow the on screen instructions to install. Further details are available here:

- Installing Altium Designer

Contact Altium
We're here to help. If you need assistance installing or activating your Altium licenses, please contact us.

Your License Information

License:
Activation Code:
License: Altium Designer
Type: On-Demand
Usage: Student
User Count: 1
Contact:
Start Date:
End Date:

Best regards,

Altium

ALTIUM DESIGNER

Disfruta de la herramienta de diseño de PCB más potente, moderna y fácil de usar del mercado. Altium Designer reúne el diseño unificado y las capacidades de PCB Native 3D™ para ayudarte a desarrollar electrónica de última generación.

Pruebe la versión de prueba de Altium Designer, descargue la versión de prueba gratuita

PLUGINS DE MCAD CODESIGNER

Mantengase a usted y a su equipo de hardware sincronizados en cuanto al diseño y cualquier cambio se refiere (en la forma de la placa, la colocación de los componentes y el enrutado) para que pueda estar seguro de que sus diseños electrónicos y mecánicos se encajan a la perfección.

*Actualmente admite el codiseño bidireccional con las principales herramientas MCAD: SOLIDWORKS, Autodesk Inventor y PTC Creo mediante la integración con NEXUS o Altium Concord Pro.

20.2.3

Fecha de lanzamiento: 2020-09-17

Instalación y gestión

Descarga (exe, 24.2 MB)

Autodesk Inventor Plugin

Última versión: 2.1.0.6

Descarga (exe, 2.6 MB)

SOLIDWORKS Plugin

Última versión: 2.1.0.7
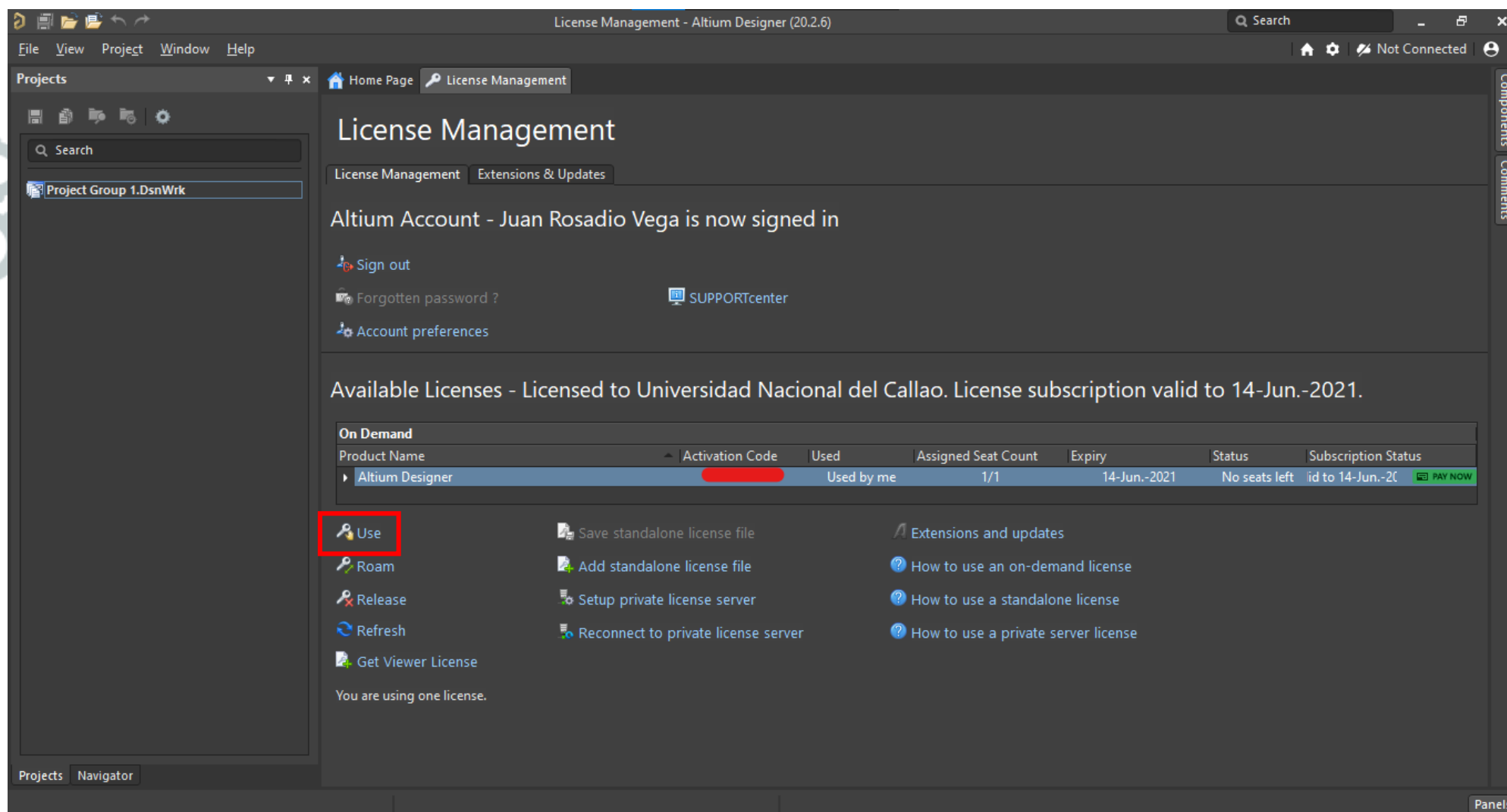
Descarga (exe, 2.5 MB)

PTC Creo Plugin

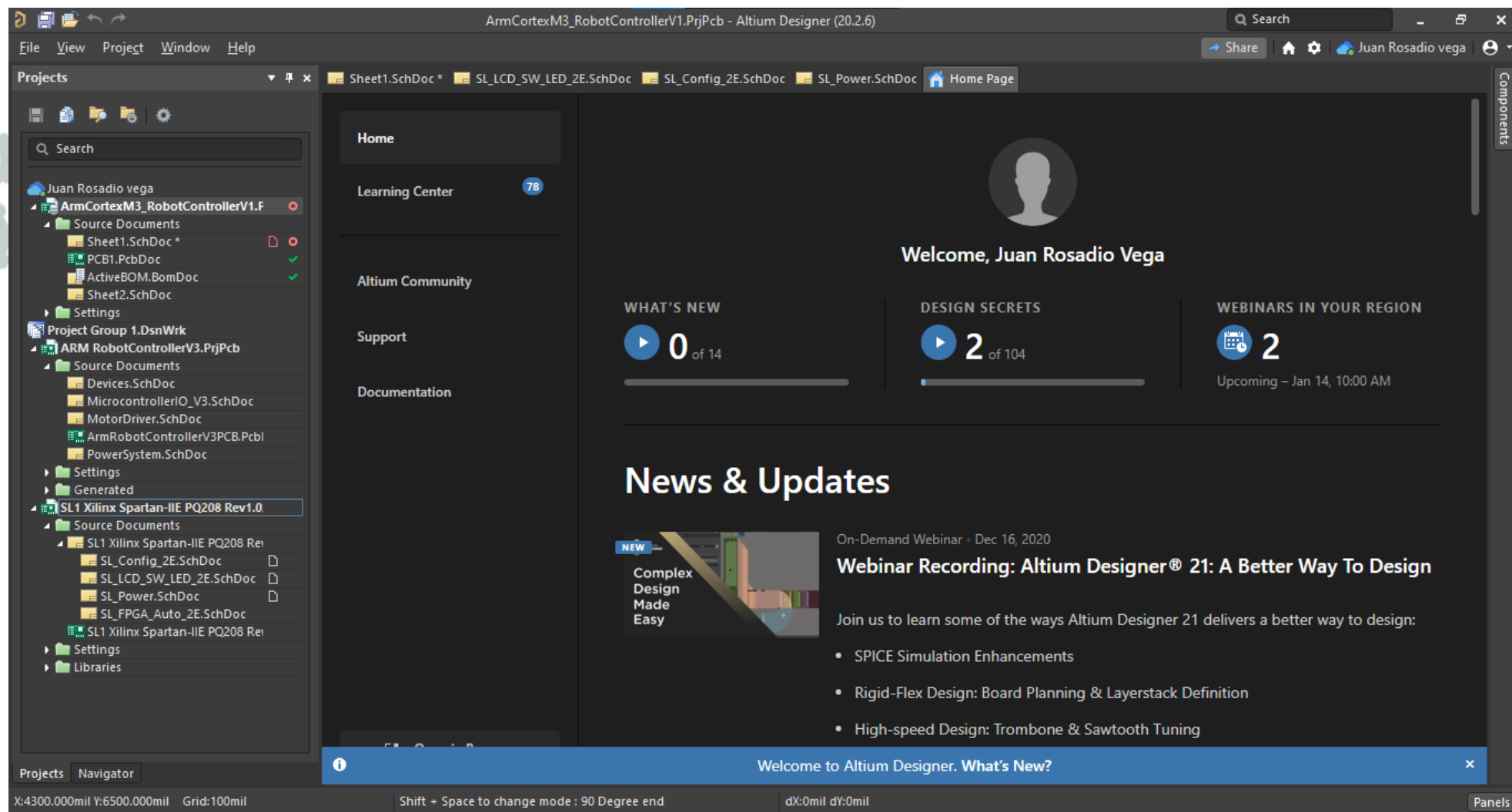Última versión: 2.1.0.10

Descarga (exe, 11.9 MB)

https://www.altium.com/es/products/downloads

Altium Designer *21.6.4 Build 81*   Contraseña: taiwebs.com

https://br0wsers.com/windows/download-d41d8cd98f00b204e9800998ecf8427e-625.html/showlink-930

MEMs
Microphone

Buttons

240x240 pixel
1.54" IPS Display

CONCEPT
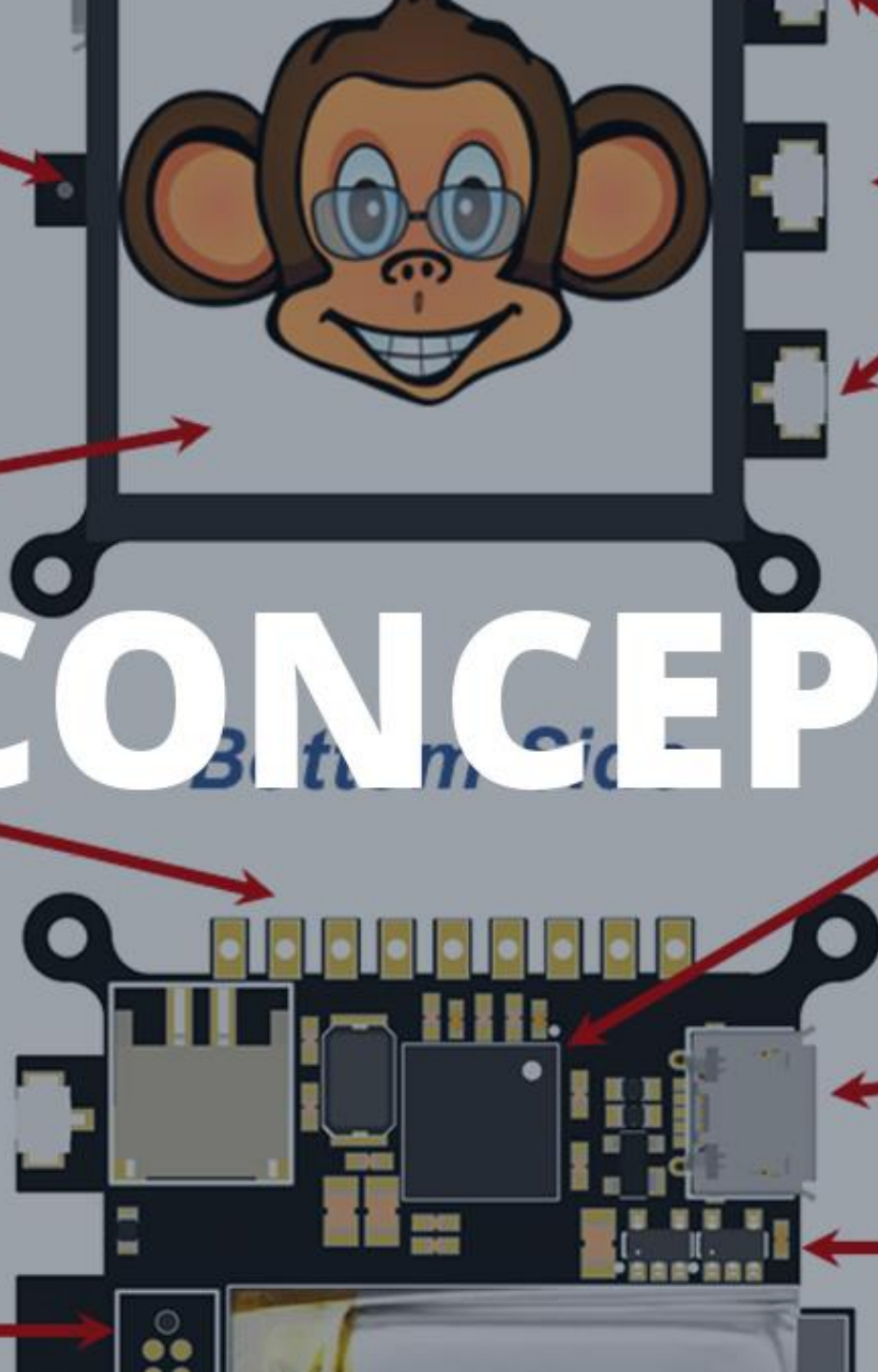
IO

LPC55S69

USB
Interface
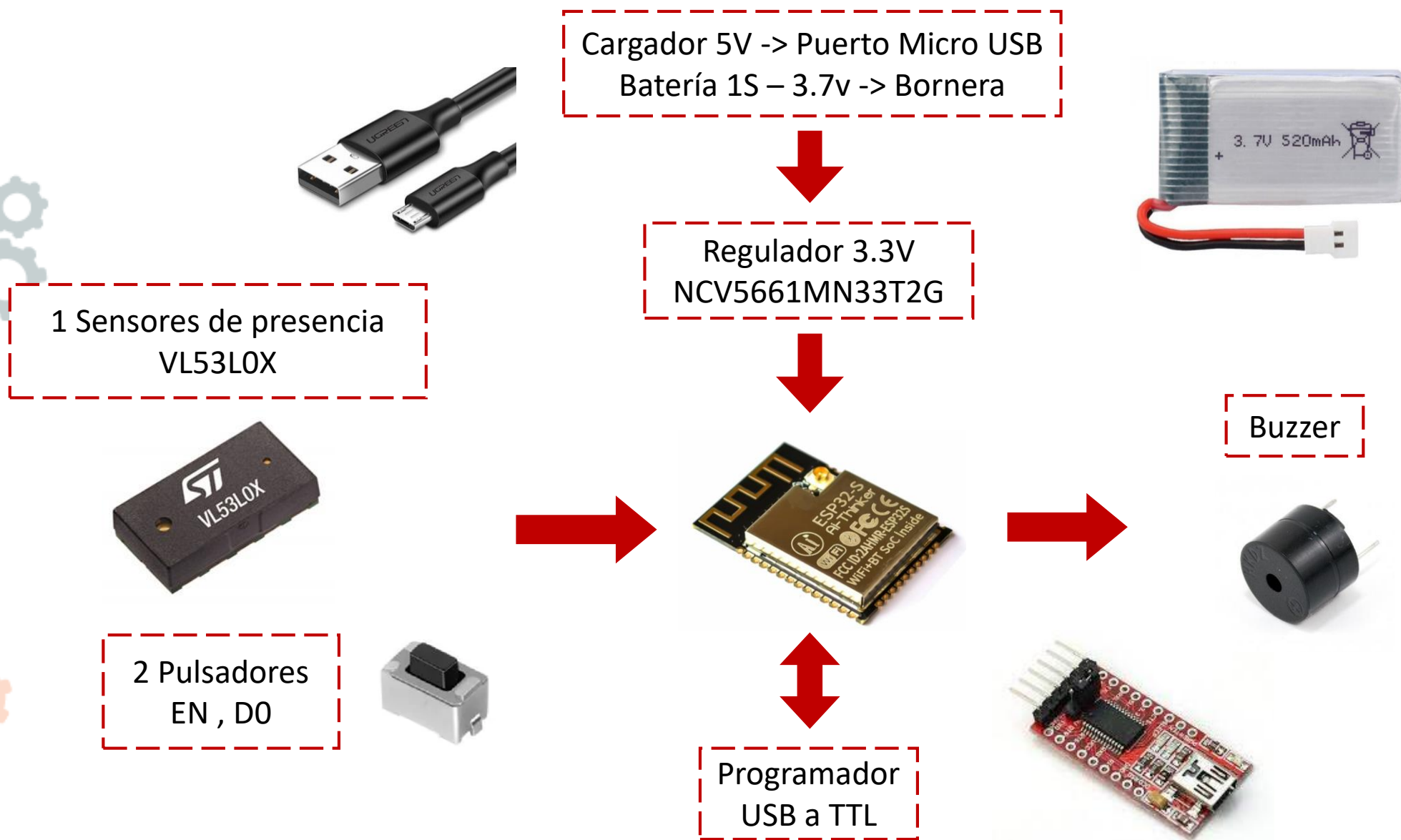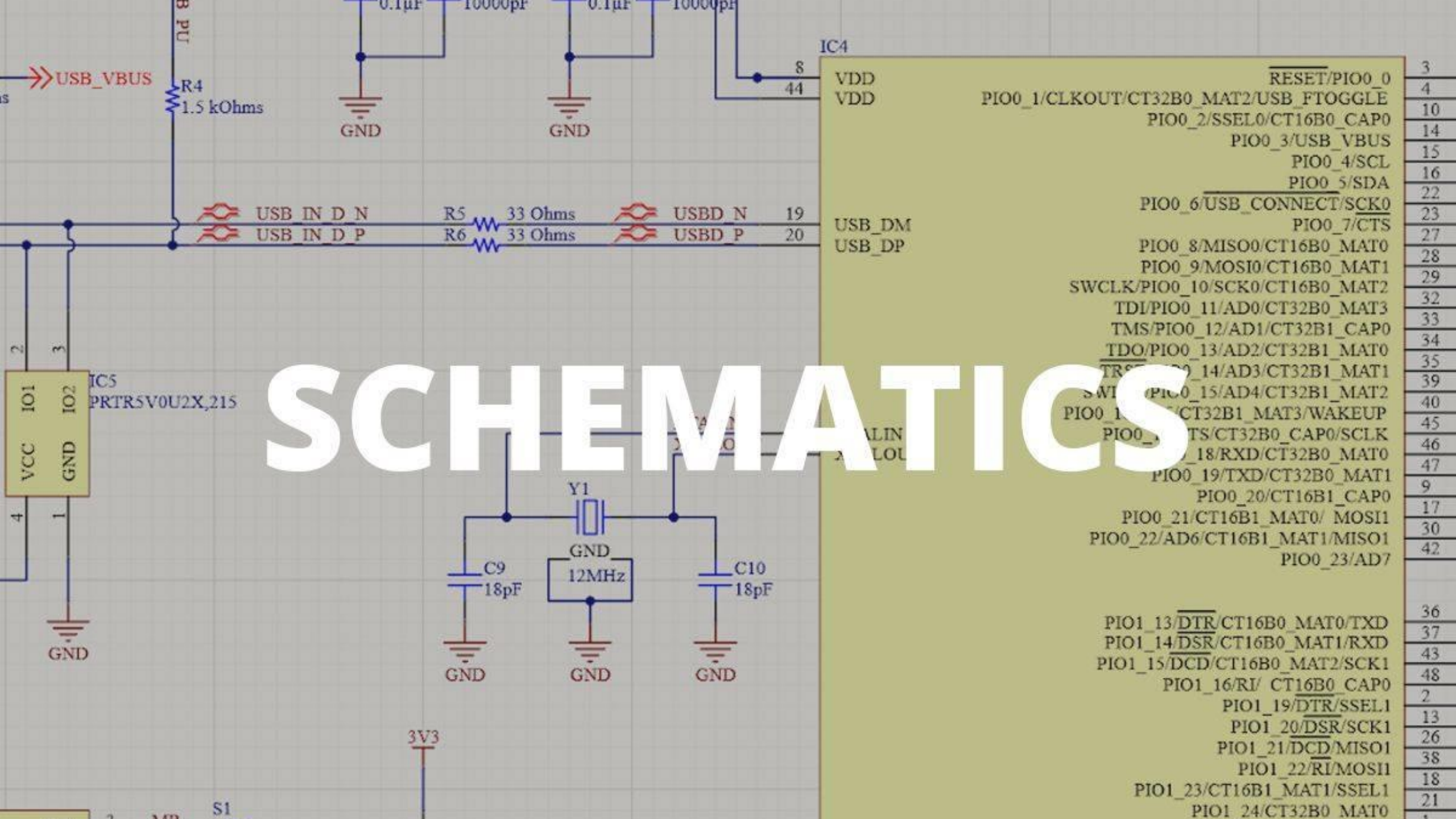
Battery
Charger

SWD via Tag
Connect

Cargador 5V -> Puerto Micro USB
Batería 1S – 3.7v -> Bornera

3.7V 520mAh

Regulador 3.3V
NCV5661MN33T2G

1 Sensores de presencia
VL53L0X

Buzzer

VL53L0X

ESP32-S

2 Pulsadores
EN , D0

Programador
USB a TTL

SCHEMATICS

USB_VBUS

R4
1.5 kOhms

0.1µF   1000pF   0.1µF   1000pF

GND   GND

IC4

VDD   8
VDD   44

RESET/PIO0_0   3
PIO0_1/CLKOUT/CT32B0_MAT2/USB_FTOGGLE   4
PIO0_2/SSEL0/CT16B0_CAP0   10
PIO0_3/USB_VBUS   14
PIO0_4/SCL   15
PIO0_5/SDA   16
PIO0_6/USB_CONNECT/SCK0   22
PIO0_7/CTS   23
PIO0_8/MISO0/CT16B0_MAT0   27
PIO0_9/MOSI0/CT16B0_MAT1   28
SWCLK/PIO0_10/SCK0/CT16B0_MAT2   29
TDI/PIO0_11/AD0/CT32B0_MAT3   32
TMS/PIO0_12/AD1/CT32B1_CAP0   33
TDO/PIO0_13/AD2/CT32B1_MAT0   34
TRST/PIO0_14/AD3/CT32B1_MAT1   35
SWDIO/PIO0_15/AD4/CT32B1_MAT2   39
PIO0_16/CT32B1_MAT3/WAKEUP   40
PIO0_17/RTS/CT32B0_CAP0/SCLK   45
PIO0_18/RXD/CT32B0_MAT0   46
PIO0_19/TXD/CT32B0_MAT1   47
PIO0_20/CT16B1_CAP0   9
PIO0_21/CT16B1_MAT0/MOSI1   17
PIO0_22/AD6/CT16B1_MAT1/MISO1   30
PIO0_23/AD7   42

USB_IN_D_N   R5   33 Ohms   USBD_N   19
USB_IN_D_P   R6   33 Ohms   USBD_P   20

USB_DM
USB_DP

2   3

IC5
PRTR5V0U2X,215

IO1   IO2

VCC   GND

4   1

GND

XTALIN
XTALOUT

Y1

C9
18pF

GND
12MHz

C10
18pF

GND   GND   GND

PIO1_13/DTR/CT16B0_MAT0/TXD   36
PIO1_14/DSR/CT16B0_MAT1/RXD   37
PIO1_15/DCD/CT16B0_MAT2/SCK1   43
PIO1_16/RI/CT16B0_CAP0   48
PIO1_19/DTR/SSEL1   2
PIO1_20/DSR/SCK1   13
PIO1_21/DCD/MISO1   26
PIO1_22/RI/MOSI1   38
PIO1_23/CT16B1_MAT1/SSEL1   18
PIO1_24/CT32B0_MAT0   21

3V3

S1

XXVII CONEIMERA UNA PUNO 2021

PWM
PIN NUMBER
NAME
GROUND
POWER
CONTROL
I/O
ADC
COMM. INTERFACE
DAC
I2C
HS
TOUCH

ESPRESSIF
ESP32-VROOM-32D

XXVII Congreso Nacional y Exposición Internacional de Ingeniería Mecánica, Mecatrónica, Eléctrica, Electrónica y Ramas Afines UNA PUNO 2021

LIBRERIAS

Librerías Congeladas de Altium

https://techdocs.altium.com/display/ADOH/Download+Libraries

Celestial Altium Library

https://altiumlibrary.com/

Octopart

https://octopart.com/

SnapEda

https://www.snapeda.com/home/

UltraLibrarian

https://www.ultralibrarian.com/

3dcontentcentral

https://www.3dcontentcentral.es/

https://github.com/JuanRosadio98

https://twitter.com/JuanRV98