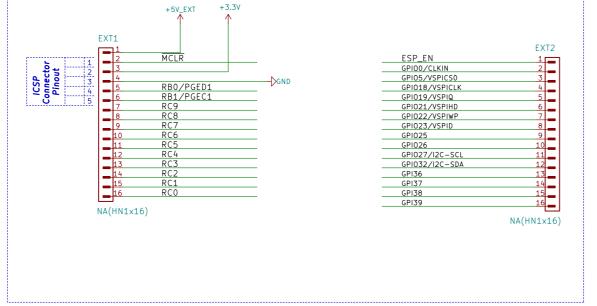


Write donw the PIC registers correct values to set up the selected peripherals!!!!

Optimize the values after all!!!

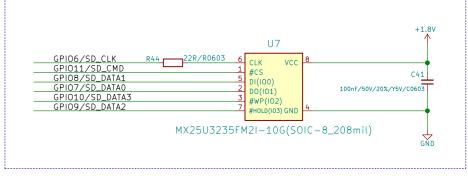
Extension Connectors



Buttons GPI35 BUT1 R40 10k/R0603 R41 NA/R0603 D_Com 2 RST1 ESP_EN

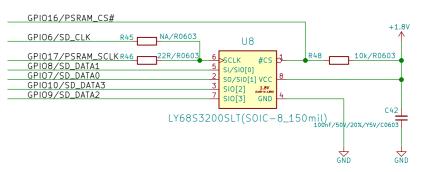
SD/MMC Card

32M Bits Serial MULTI I/O FLASH MEMORY





32M Bits Serial Pseudo-SRAM with SPI and QPI



Notes:

1. According to the datasheet: VSPI Supports Standard SPI, Dual SPI, and Quad SPI that can be connected to the external flash and SRAM!!!





https://www.olimex.com OLIMEX LTD. File: ESP32-PR0_Rev_A.sch Title: ESP32-PR0_Rev_A
 Size: A2
 Date: 2017-06-19

 KiCad E.D.A. kicad no-vcs-found-673310158ubuntu16.04.1

Fiducials





Bootstrapping Pins Informations Software Selectable Pins Internal Bootstrapping Resistors Interface Signal MTDI/GPI012: Pull-Down EMAC_MDC_out EMAC_MDI_in GPI00: Pull-Up GPI02: EMAC_MDO_out EMAC_CRS_out Pull-Down GPI04: EMAC_COL_out MTDO/GPI015: Pull-Up GP105: Pull-Up I2CEXTO_SDA_in I2CEXT1_SDA_in I2CEXTO_SCL_out I2CEXTO_SDA_out I2CEXT1_SCL_out I2CEXT1_SDA_out HSPIQ_in/_out HSPICLK_in/_out 1.8V 1 Bootstrapping Pins Settings HSPI_CS0_in/_out HSPI_CS1_out HSPI_CS2_out VSPIQ_in/_out VSPID_in/_out

VSPICLK_in/_out VSPI_CSO_in/_out

For more information refer to esp_wroom_32_datasheet_en.pdf.

VSPI_CS1_out

VSPI_CS2_out

Don't-care 0
Debugging Log on UOTXD During Booting

UOTXD Toggling UOTXD Silent

GPI015/MTD0 Pull-Up 1 0
Timing of SDI0 Slave