

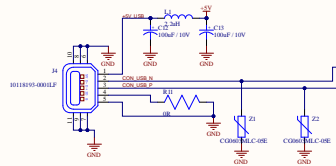
28PINS - SCHEMATIC

Yoav Yukelson

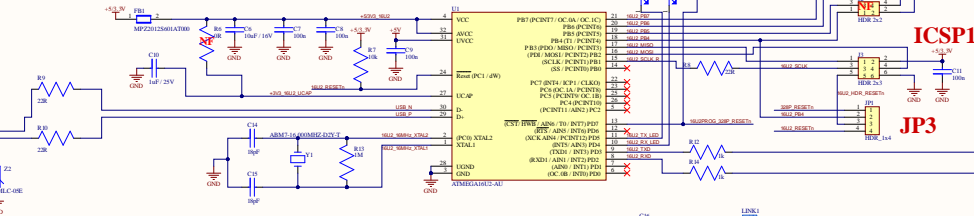
<https://github.com/YoavYu/PCB-Arduino>



Micro USB



16U2

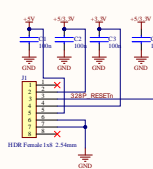


JP2

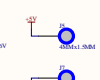
ICSP1

JP3

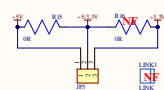
POWER



POWER PADS



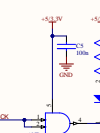
Power Selection



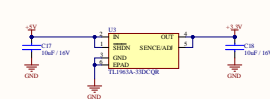
POWER LED



USER LED



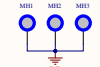
3V3 LDO



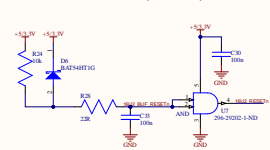
DIP SOCKET



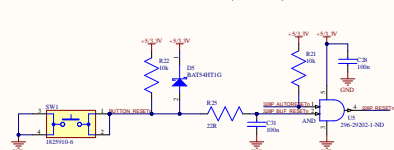
MOUNTING HOLES



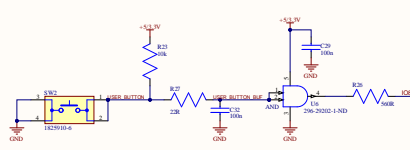
RESET(16U2)



RESET(328P)



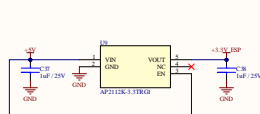
USER BUTTON



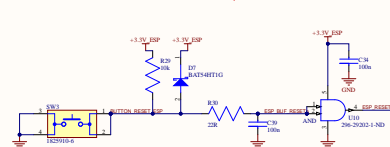
FIDUCIALS



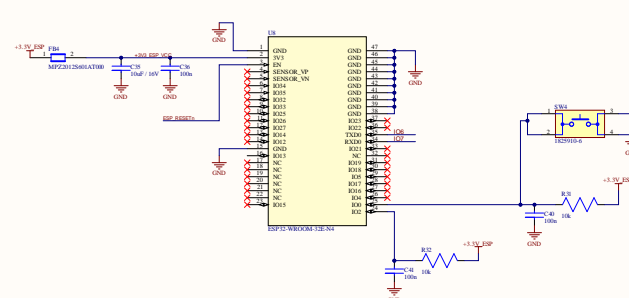
3V3 ESP32 LDO



RESET(ESP32-WROOM)



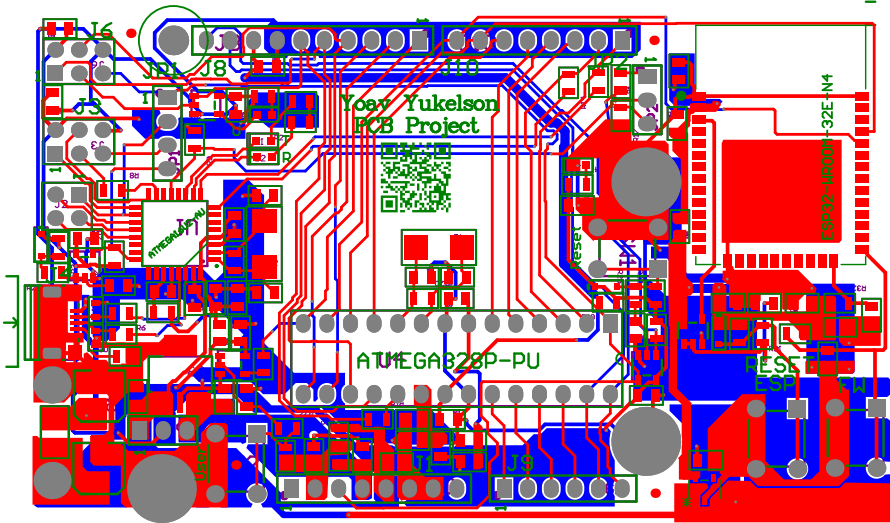
ESP32-WROOM-32E



Title		
Size	Number	Revision
A1		
Rev	01	01
Rev	01	01

- Files
- *.GTO - Top Overlay
 - *.GTP - Top Paste
 - *.GTS - Top Solder
 - *.GTL - L1 (Positive)
 - *.GBL - L2 (Positive)
 - *.GBS - Bottom Solder
 - *.GBO - Bottom Overlay
 - *.GM2 - Mechanical Drawing
 - *.GM3 - Manufacturing Notes
 - *.GM4 - Licence
 - *.GM28 - Board Outline

- Board info
- Minimum Track: 200um
- Minimum Gap: 200um
- Minimum Through Hole VIA: 0.6mm (pad) / 0.3mm (drill). Drilling: L1-L2
1. FINISHED PANEL THICKNESS IS NOT CRITICAL: TO BE APPROXIMATELY 1.6mm
 2. BOARD FINISH: IMMERSION Au/ELECTROLESS Ni; 0.05-0.12 um GOLD; 3-6um NICKEL
 3. SOLDER RESIST: APPLY TO BOTH SIDES COLOUR - BLUE
 4. COMPONENT IDENT: COLOUR TO BE WHITE
 5. PANELIZE THE BOARD (4PCS PER PANEL). PLACE FIDUCIALS ON THE PANEL STRIPS AS FOLLOWS:
 - FIDUCIAL DIAMTER 1-1.5MM, SOLDER MASK OPENING AT LEAST 1MM GREATER THAN FIDUCIAL
 - MINIMUM 4MM DISTANCE FROM THE PANEL EDGE
 - 3 FIDUCIALS SHOULD LIE ON TWO LINES THAT INTERSECT AT A RIGHT ANGLEPLACE ONE FIDUCIAL INTO EACH PANEL CORNER (FOUR ON THE TOP LAYER)



28Pins		U1
Contact: yoavyu@gmail.com		

Board Stack Report