3.3V Power Supply +3.3V U1 Ferrite_Bead **LED Driver** USB_B_Micro 3.3V 1A <u></u> C1 +3.3V +5٧ +51 U2 47pF 74HC595 ± C2 4.7uF +5V C3 4.7uF LED_1 DATA Λ SER GND LED_2 +CLOCK LED_3 SRCLK QC R10 10k GND CLEAR 10 SRCLR LED_4 QD GND LED_5 QE LATCH LED_6 RCLK QF OUTPUT_ENABLE13 LED_7 LED_8 QH' 9 +3.3V ESP8266 MCU \rightarrow _____C4 GND ₹ 0.1uF +3.3V U3 ESP-WROOM-02D **LEDs** GND BOOT GPI00 CLOCK ESP_EN GPI02 +3.3V RST DATA 15 RST GPI04 11 RXD 12 TXD ESP_RX LATCH GPI05 ESP_TX CLEAR GPI012 5 OUTPUT_ENABLE GPI013 SW_1 +57 R6 75R GPI014 J2 75R 75R GPI015 Conn_01x04 GND GPI016 17 13 GND External pull down on GPI015 for boot options ESP_TX 18 GND ESP_RX 19 P_GND TOUT 16 D2 LED LED 3 LED D4 LED D5 LED D7 LED D1 LED GND \rightarrow GND GND **User Switch Programming** +3.3V +3.3V +3.3V It is recommended that users do not solder Pad 19 to the base board. R12 10k If users do want to solder it, they need to ensure that the correct quantity SW3 R11 10k of soldering paste is applied. SW_SPST SW_SPST 10k SW1 SW_Push_Dual _ C6 SW_1 GND ₹ 0.1uF Chandler McCowan ESP8266 Network Traffick Visualizer \rightarrow GND Sheet: / File: PacketVis.sch GND Title: PacketVis Size: A4 Date: 2019-11-21 Rev: A01 KiCad E.D.A. kicad (5.1.6)-1 ld: 1/1