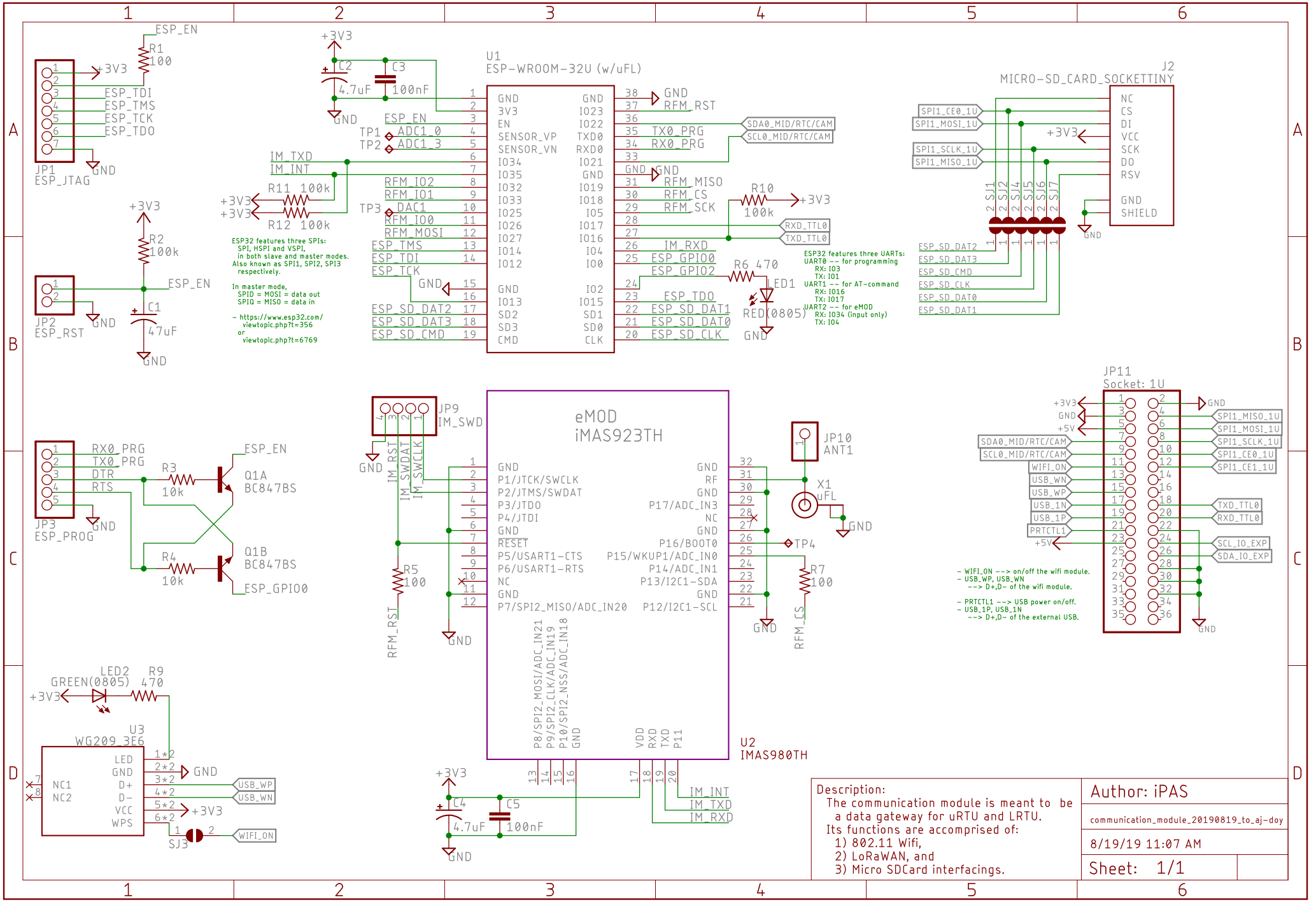
U1
ESP-WROOM-32U (w/uFL)
J2
MICRO-SD_CARD_SOCKETTINY
JP1
ESP_JTAG
JP2
ESP_RST
JP3
ESP_PROG
JP9
IM_SWD
eMOD
iMAS923TH
U2
IMAS980TH
JP10
ANT1
X1
uFL
JP11
Socket: 1U
U3
WG209_3E6
LED1
RED(0805)
LED2
GREEN(0805)
Q1A
BC847BS
Q1B
BC847BS
ESP32 features three SPIs:
SPI, HSPI and VSPI,
in both slave and master modes.
Also known as SPI1, SPI2, SPI3
respectively.
In master mode,
SPID = MOSI = data out
SPIQ = MISO = data in
- https://www.esp32.com/
viewtopic.php?t=356
or
viewtopic.php?t=6769
ESP32 features three UARTs:
UART0 -- for programming
RX: IO3
TX: IO1
UART1 -- for AT-command
RX: IO16
TX: IO17
UART2 -- for eMOD
RX: IO34 (input only)
TX: IO4
- WIFI_ON --> on/off the wifi module.
- USB_WP, USB_WN
--> D+,D- of the wifi module.
- PRTCTL1 --> USB power on/off.
- USB_1P, USB_1N
--> D+,D- of the external USB.
Description:
The communication module is meant to be
a data gateway for uRTU and LRTU.
Its functions are accomprised of:
1) 802.11 Wifi,
2) LoRaWAN, and
3) Micro SDCard interfacings.
Author: iPAS
communication_module_20190819_to_aj-doy
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