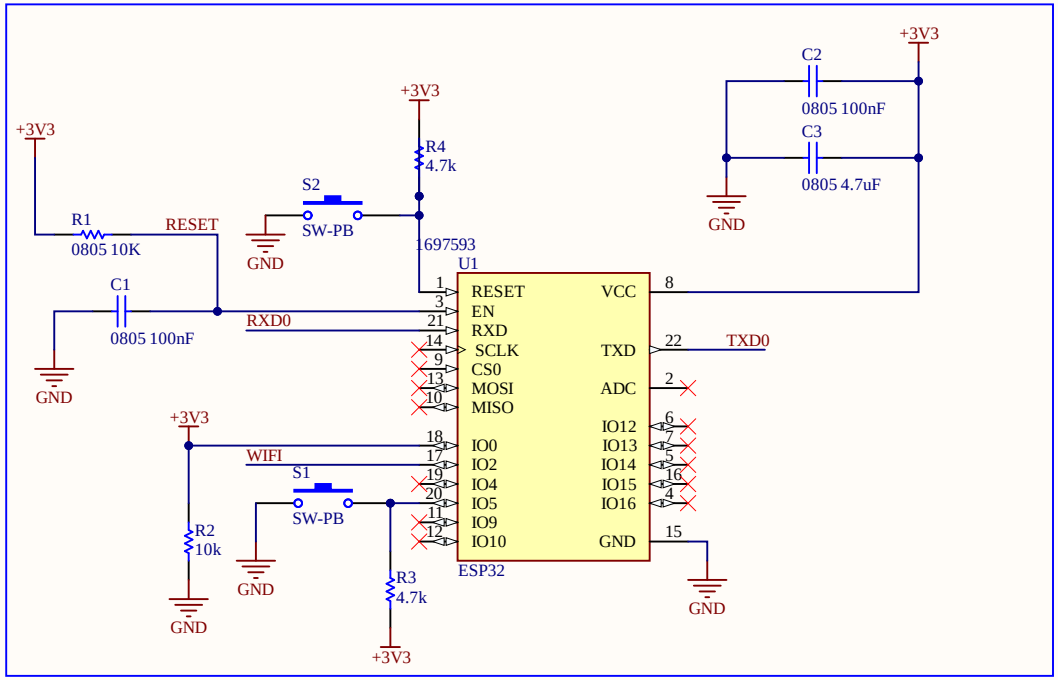
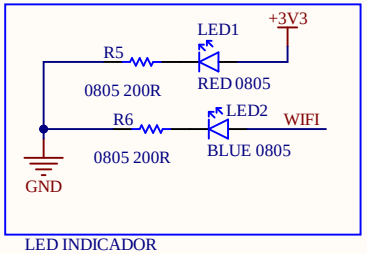
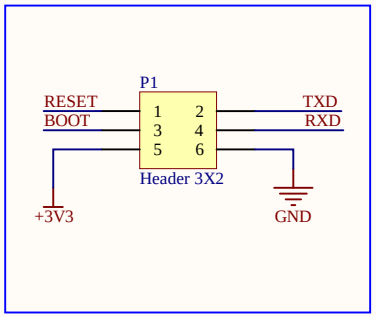


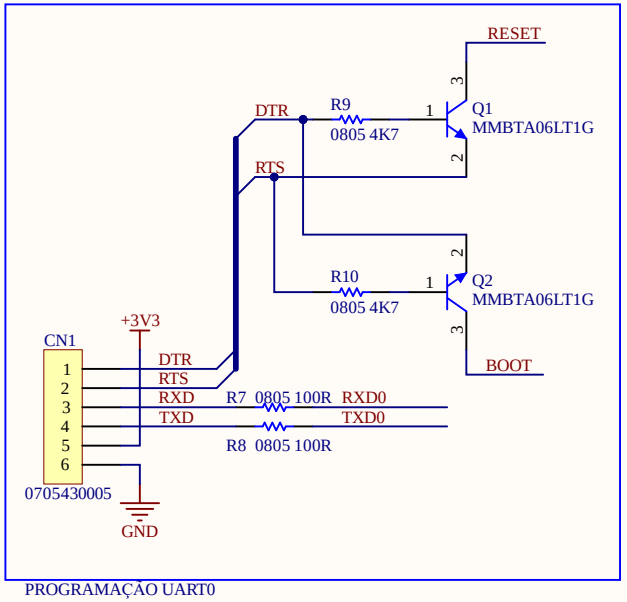
MÓDULO DE COMUNICAÇÃO



LED INDICADOR

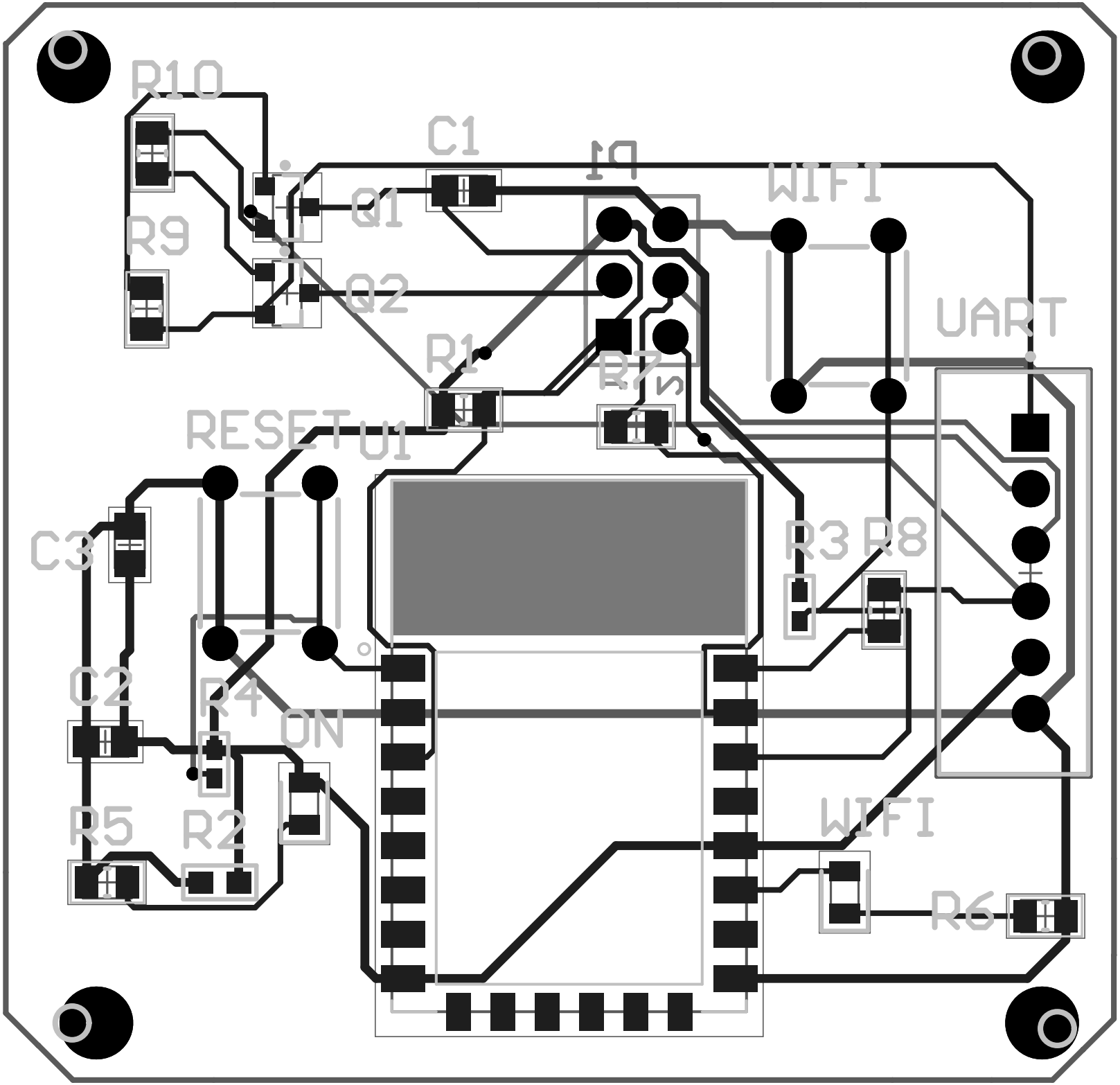


CONECTOR UART G473



PROGRAMAÇÃO UART0

Title	**Comunicação**		* UnB Faculdade do Gama *
Size: A4	Author: Matheus Gois Vieira		*
Date: 22/09/2022	Time: 00:01:00	Sheet * of *	
File: C:\Users\mathe\Dropbox\PC (2)\Documents\unb\tcc\schematic\tcc_semsf_com\Main.SchDoc			


R10
C1
Q1
R9
Q2
R1
RESET
U1
WIFI
UART
C3
R3
R8
C2
R4
ON
R5
R2
WIFI
R6

BILL OF MATERIALS

Bill of Materials for Project [tcc_semsf_com.PrjPcb] (No PCB Document Selected)

Organization:
Author: Matheus Gois Vieira
Project Name: tcc_semsf_com.PrjPcb
Revision: **Date:**

#	Comment	Description	Manufacturer	Manufacturer Part Number	Case/Package	Supplier 1	Supplier Part Number 1	Designator	Quantity
1	0805 100nF	CC Series 0805 0.1 uF 50 V ±10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	Yageo	CC0805KRX7R9BB104	805	Digi-Key	311-1140-2-ND	C1, C2	2
2	0805 4.7uF	4.7uF ±10% 50V 0805	TDK	C2012X5R1H475K125AB	805	RSComponents	7883041	C3	1
3	705430005	Conn Shrouded Header (4 Sides) HDR 6 POS 2.54mm Solder ST Top Entry Thru-Hole SL™ Tube	Molex	705430005		RSComponents	6792483	CN1	1
4	RED 0805	Red SMD 625nm LED Indication - Discrete 2V 0805 (2012 Metric)						LED1	1
5	BLUE 0805	Red SMD 625nm LED Indication - Discrete 2V 0805 (2012 Metric)						LED2	1
6	Header 3X2	Header, 3-Pin, Dual row						P1	1
7	MMBTA06LT1G	Trans GP BJT NPN 80V 0.5A 3-Pin SOT-23 T/R	ON Semiconductor	MMBTA06LT1G	SOT-23-3	Digi-Key	MMBTA06LT1GOSCT-ND	Q1, Q2	2
8	0805 10K	10K Omhs 0805 ± 1.00% 0.125W ± 100ppm/°C	Yageo	RC0603FR-0710KL	603	RSComponents	6185163	R1	1
9	10k	Res, 10K, 0.01%, 0.25W, 1206, Metal Foil		Y163010K0000T9R	1206	Digi-Key	Y1630-10.0KBCT-ND	R2	1
10	4.7k	Res Thick Film 1206 4.7K Ohm 5% 1/4W ±200ppm/°C Molded SMD Punched Carrier T/R		ERJ-8GEYJ472V	1206	New ark	65T8944	R3, R4	2
11	0805 200R	200 Ohm 0805 ± 1.00% 0.125W ± 100ppm/°C	Yageo	RC0603FR-07200RL	603	RSComponents	6183842	R5, R6	2
12	0805 100R	100R ± 1.00% 0.125W ± 100ppm/°C 0805	Yageo	RC0805FR-07100RL	805	RSComponents	6185135	R7, R8	2
13	0805 4K7	4700Ω ± 1.00% 0.125W ± 100ppm/°C 0805	Yageo	RC0805FR-074K7L	805	RSComponents	6181408	R9, R10	2
14	SW-PB	Tactile Switch						S1, S2	2
15	ESP32	This WiFi module has a 32-bit MCU micro and clock speeds supporting 80 MHz or 160 MHz. Supports the RTOS and integrated Wi-Fi MAC/BB/RF/PA/LNA, and has an on-board antenna.				RSComponents	1697593	U1	1
									22

Approved

Notes