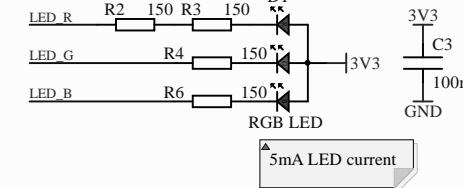
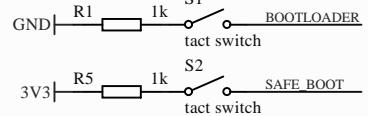
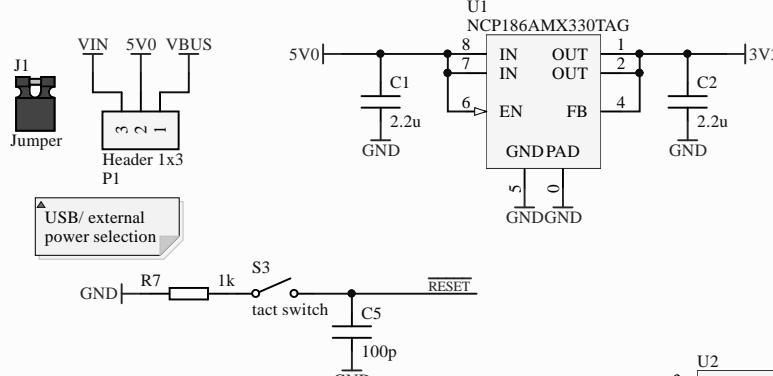
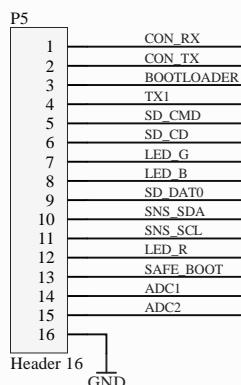
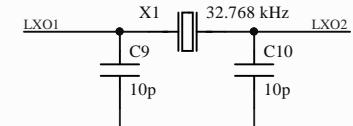
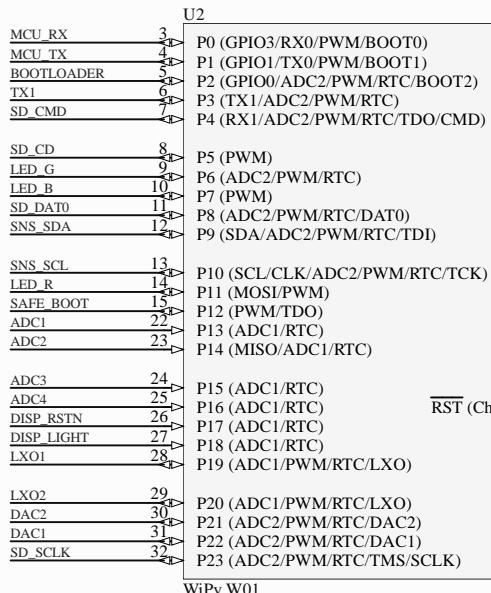
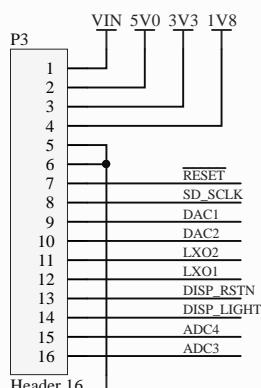


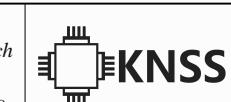
A



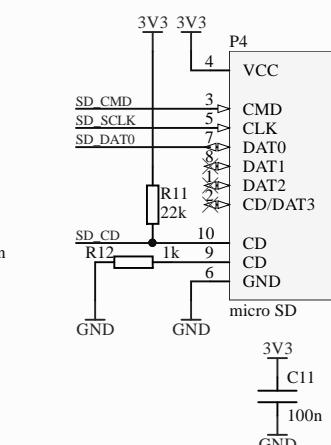
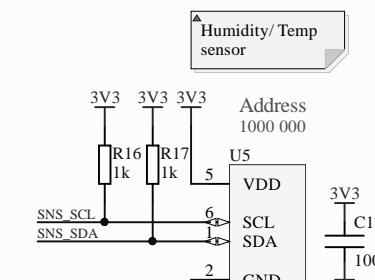
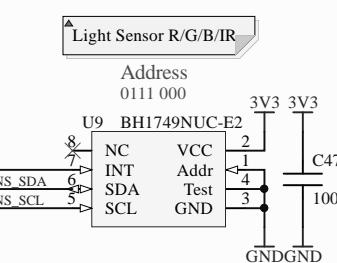
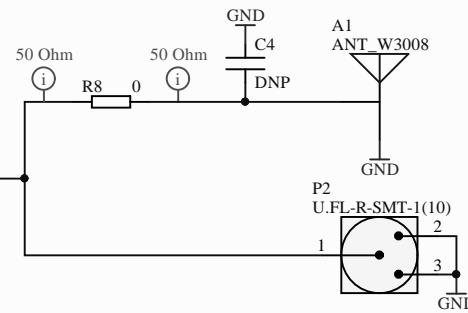
B



Project:	WiPy_Eval.PrjPCB	Revision:	1.0	Kolo Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19
File:	main.SchDoc	Sheet:	1	
Variant:	[No Variations]	Total Sheet:	4	
Author:	Krzysztof Belewicz	Modified:	2019-02-14	



C



D

A

A

B

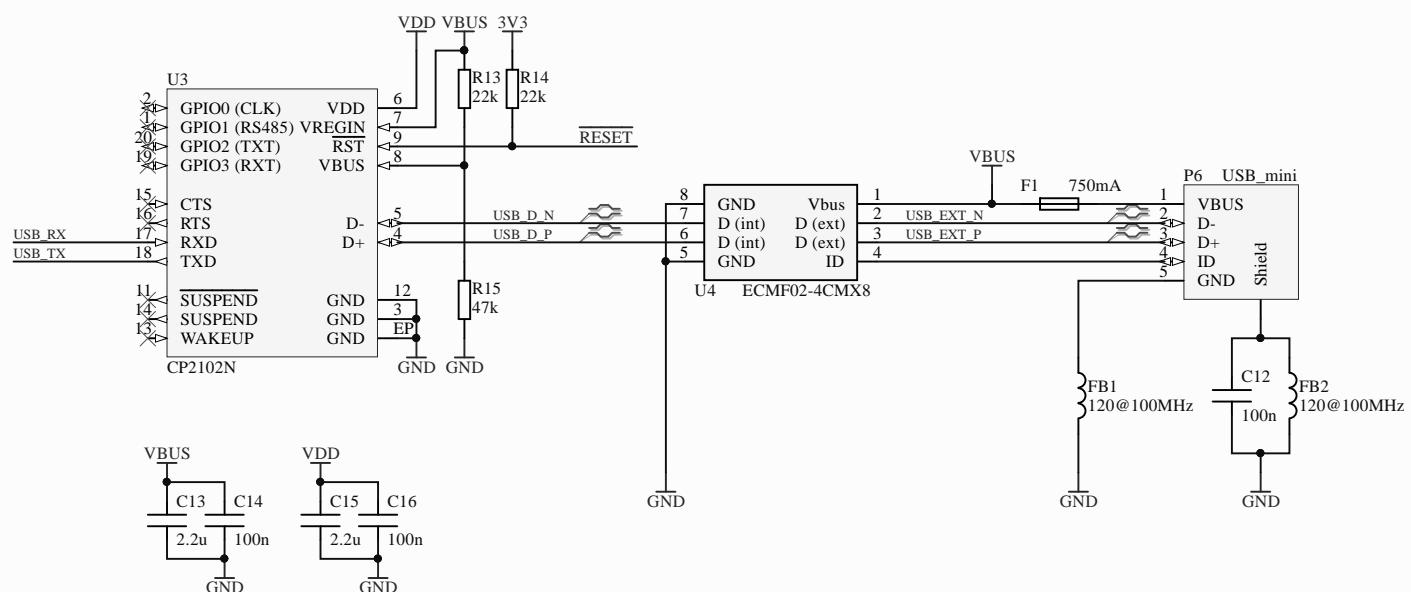
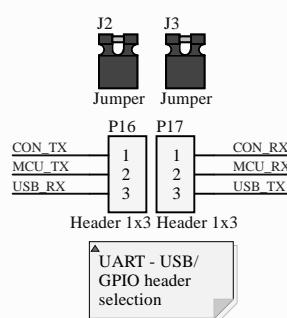
B

C

C

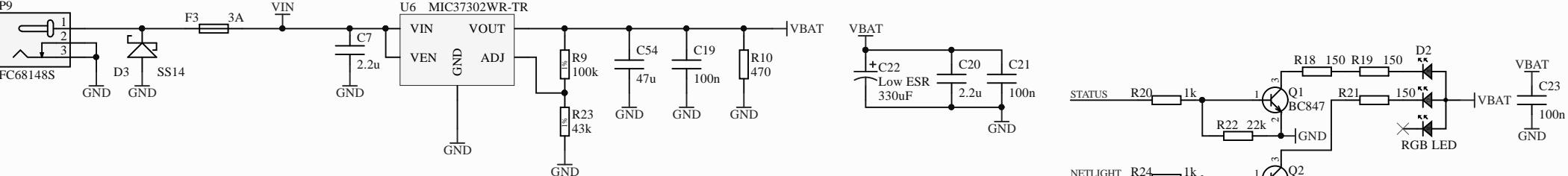
D

D



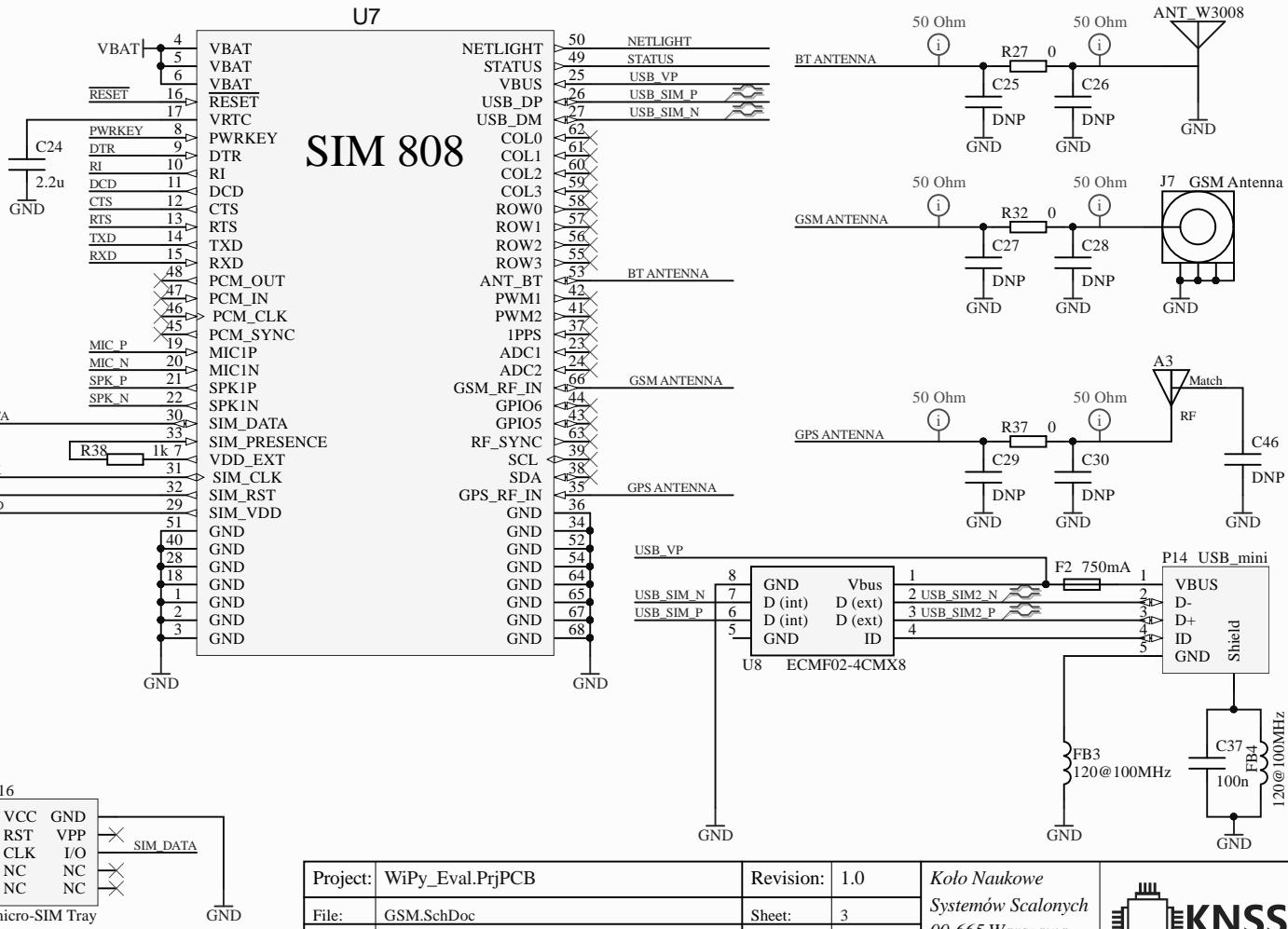
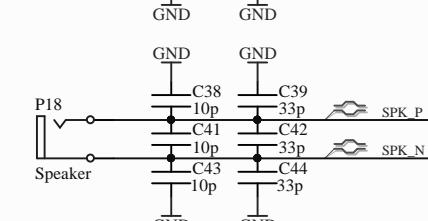
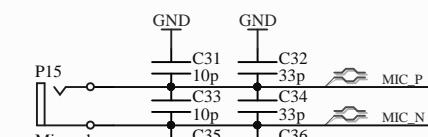
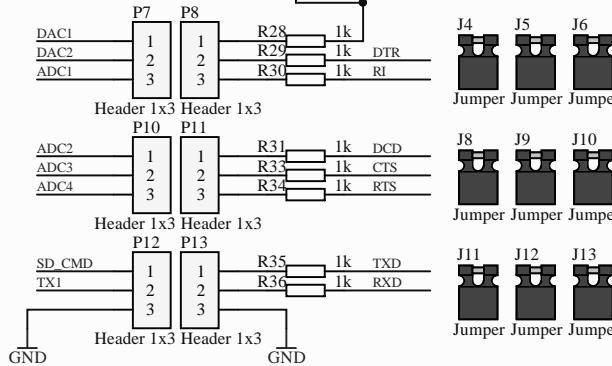
Project:	WiPy_Eval.PrjPCB	Revision:	1.0	Kolo Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19
File:	USB.SchDoc	Sheet:	2	
Variant:	[No Variations]	Total Sheet:	2	
Author:	Krzysztof Belewicz	Modified:	2019-01-25	





A

1x3 headers reused from other parts of board can be replaced with 1x9 or 2x9



Project: WiPy_Eval.PnjPCB Revision: 1.0
File: GSM.SchDoc Sheet: 3
Variant: [No Variations] Total Sheet: 4
Author: Krzysztof Belewicz, Paweł Pieńczuk Modified: 2019-02-17

Kolo Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19

KNSS

A

B

C

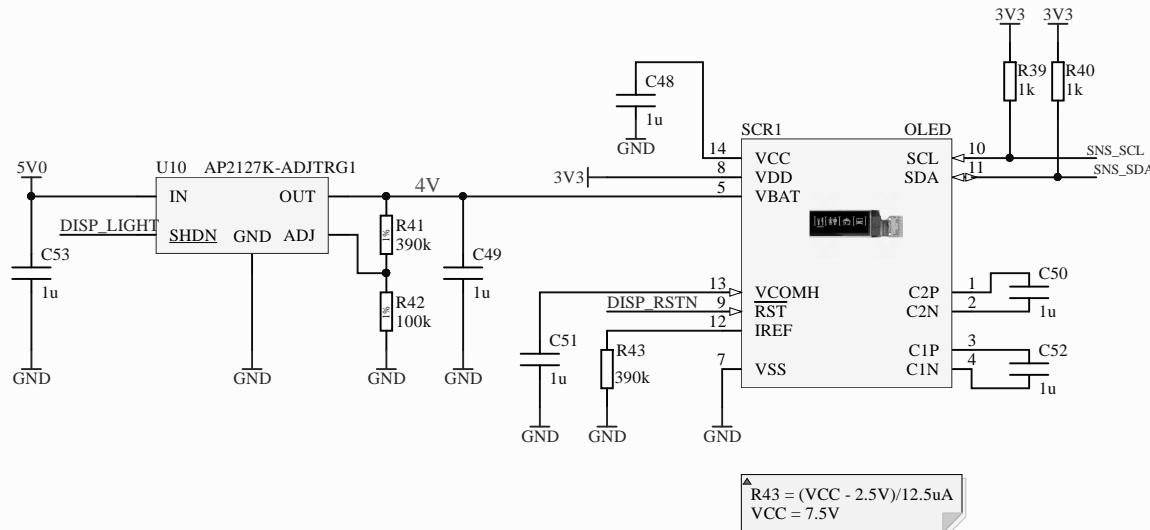
D

A

B

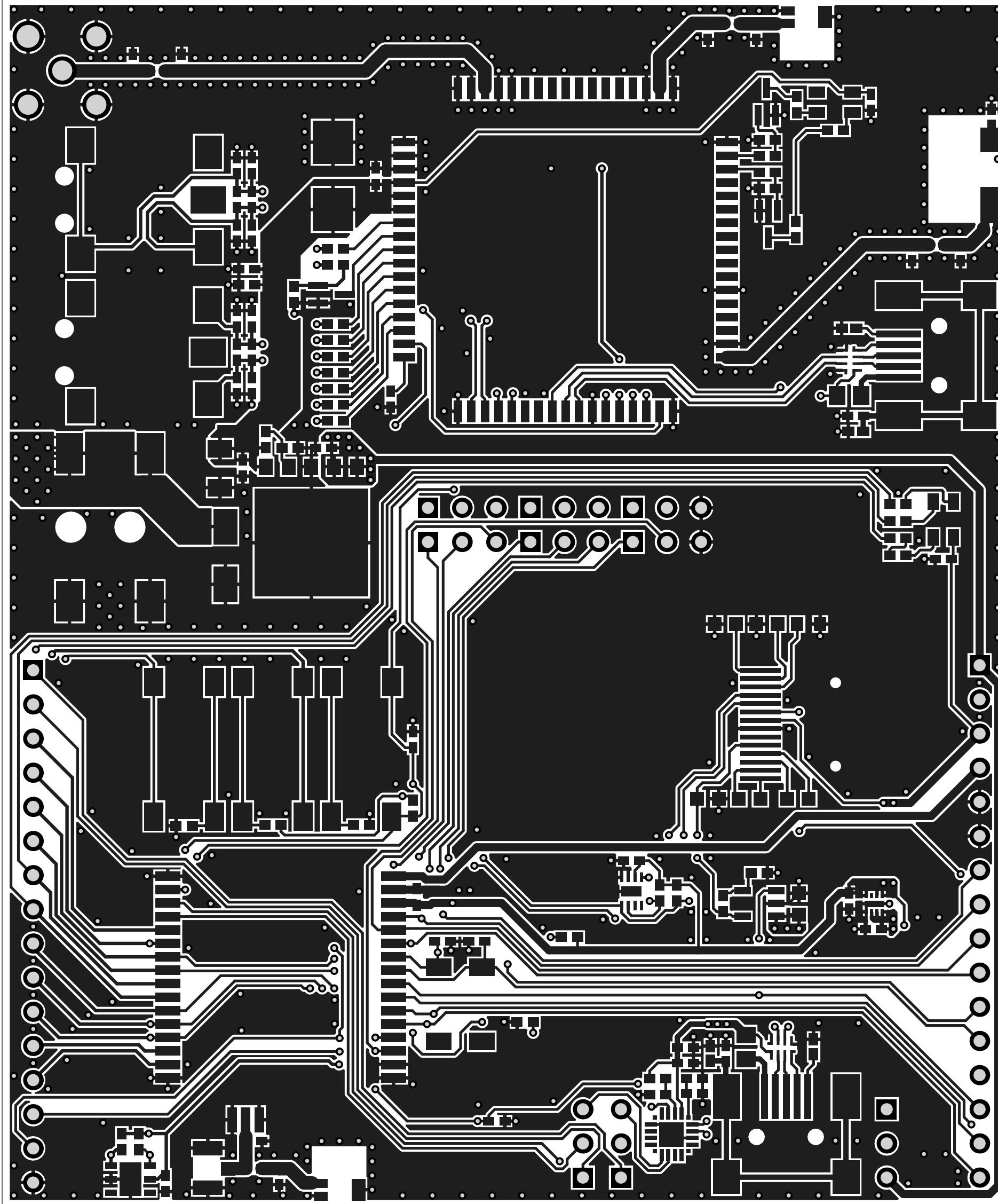
C

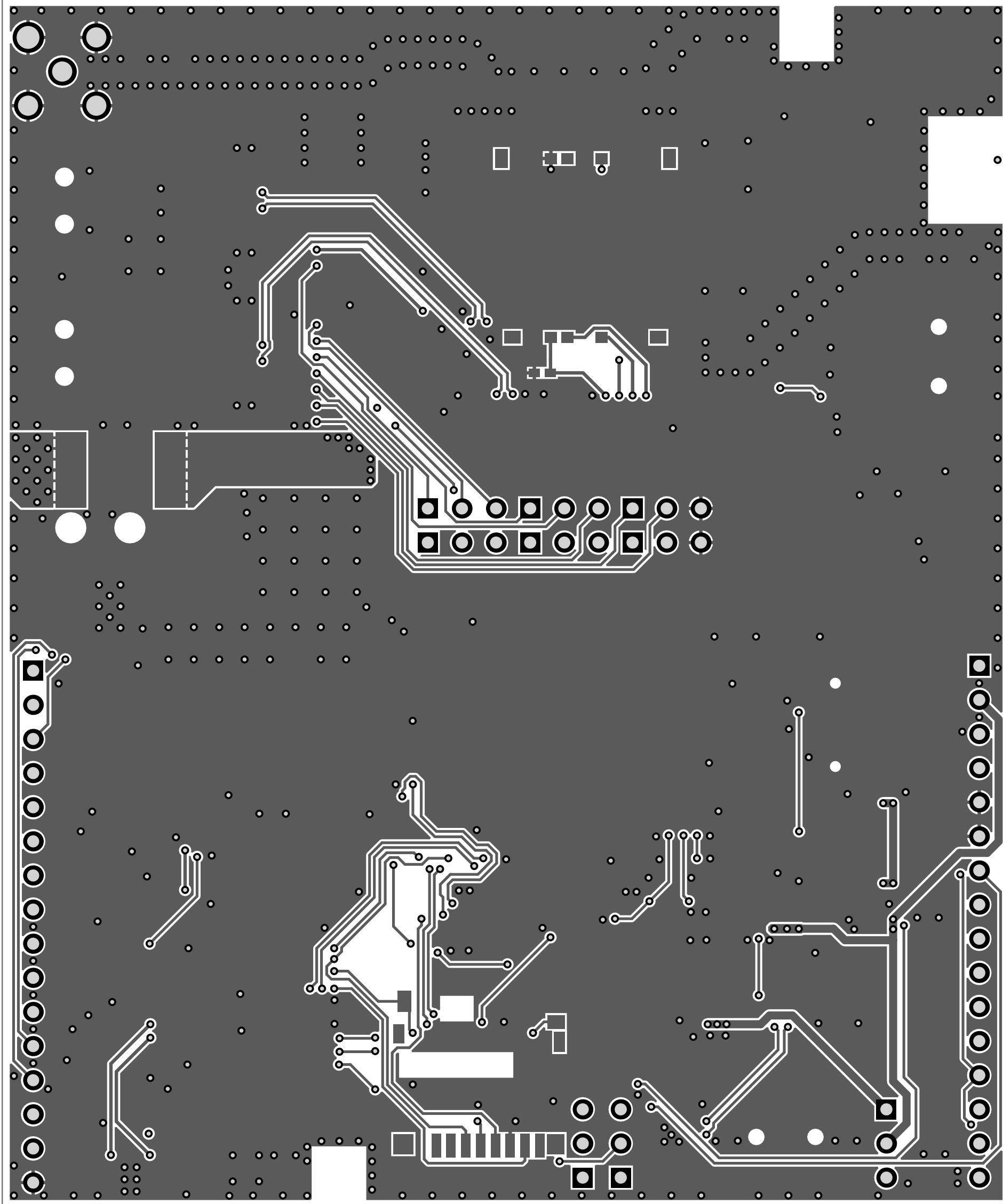
D

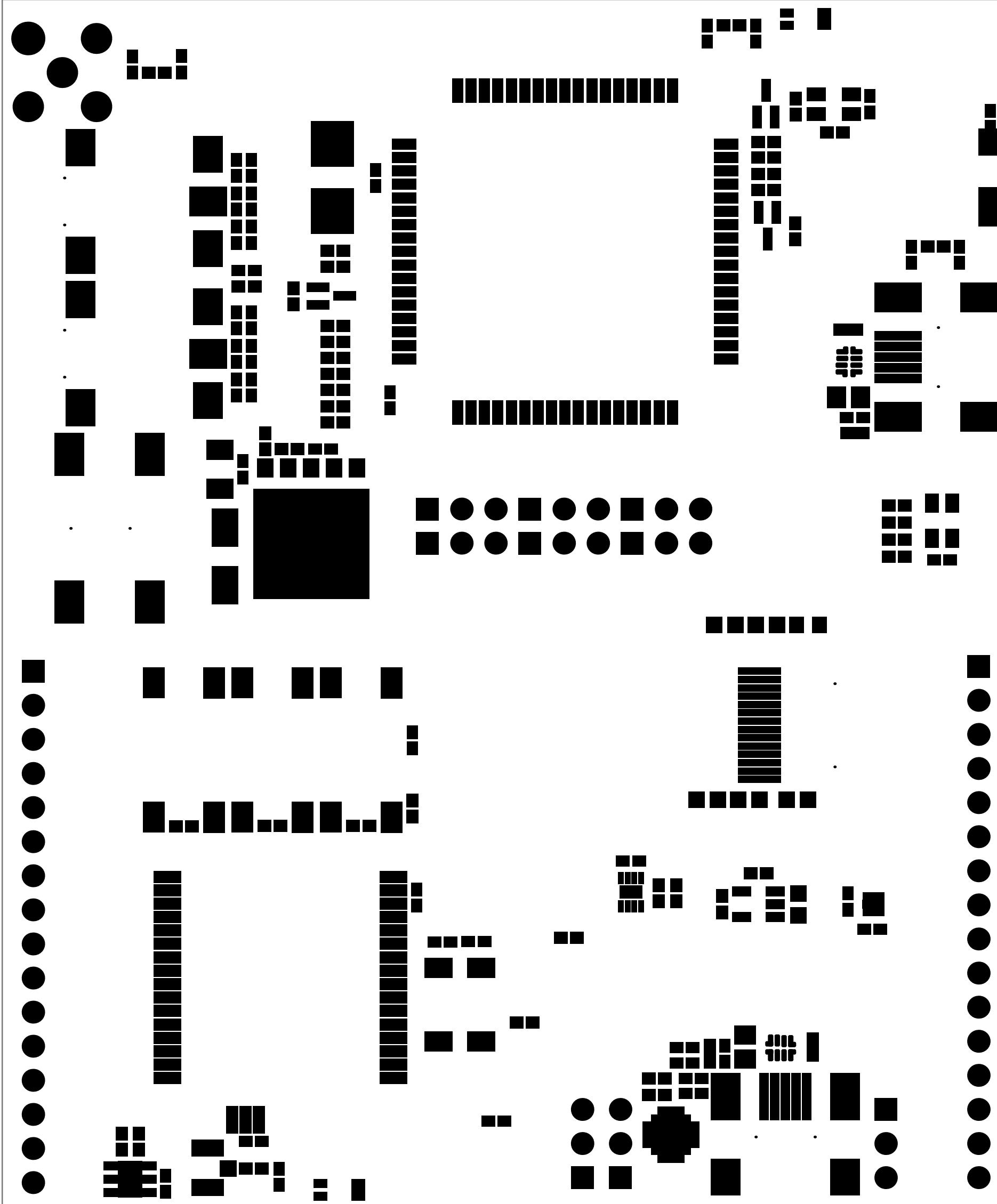


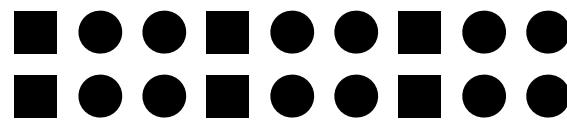
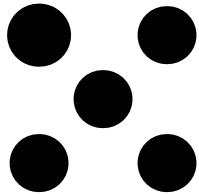
Project:	WiPy_Eval.PrjPCB	Revision:	1.0	Kolo Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19
File:	Display.SchDoc	Sheet:	4	
Variant:	[No Variations]	Total Sheet:	4	
Author:	Pawel Pieńczuk	Modified:	2019-02-14	

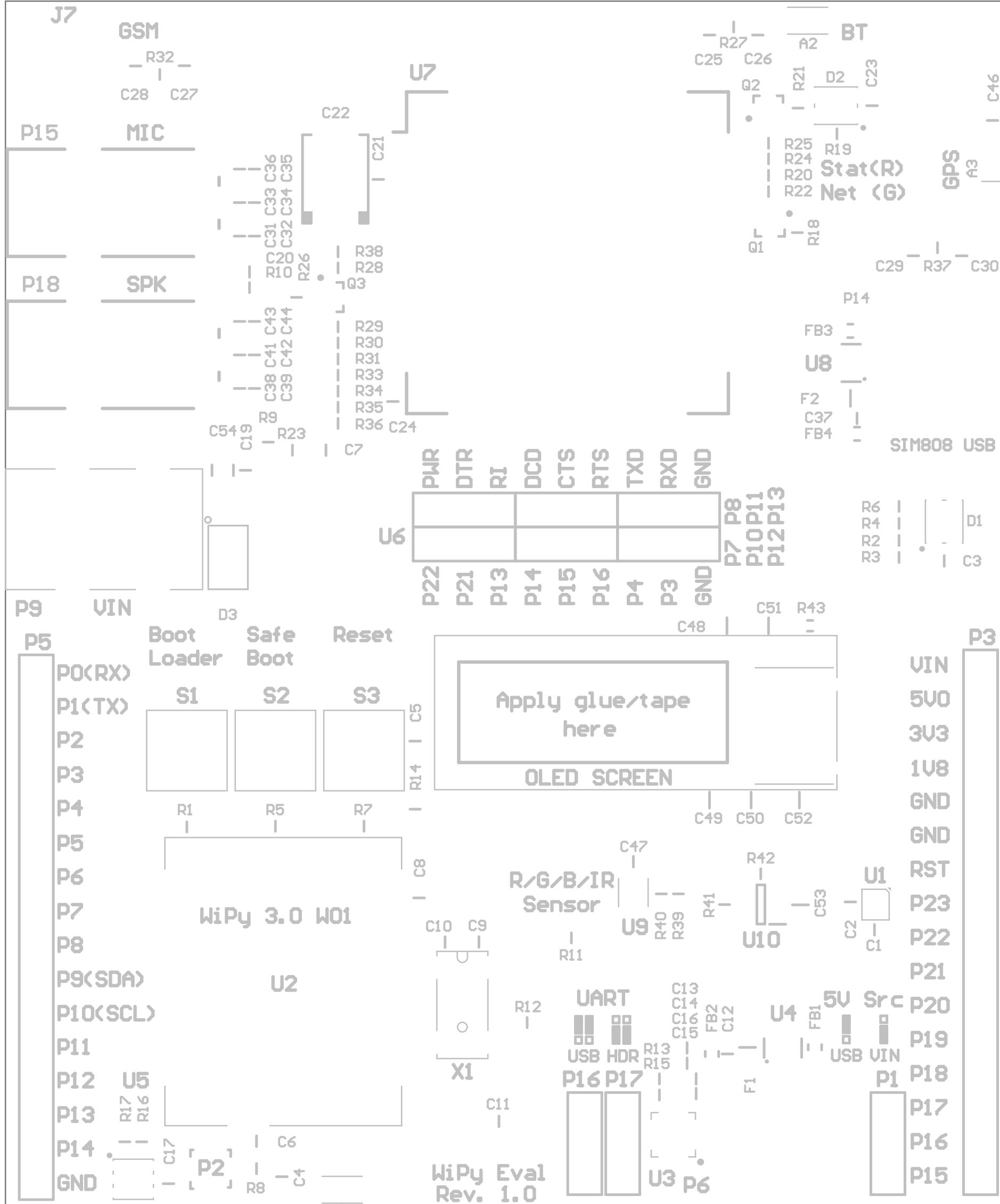












116



C40 I

פ3



SSID: wiiblu-wiiblu-XXXX
PASS: www.backow.io

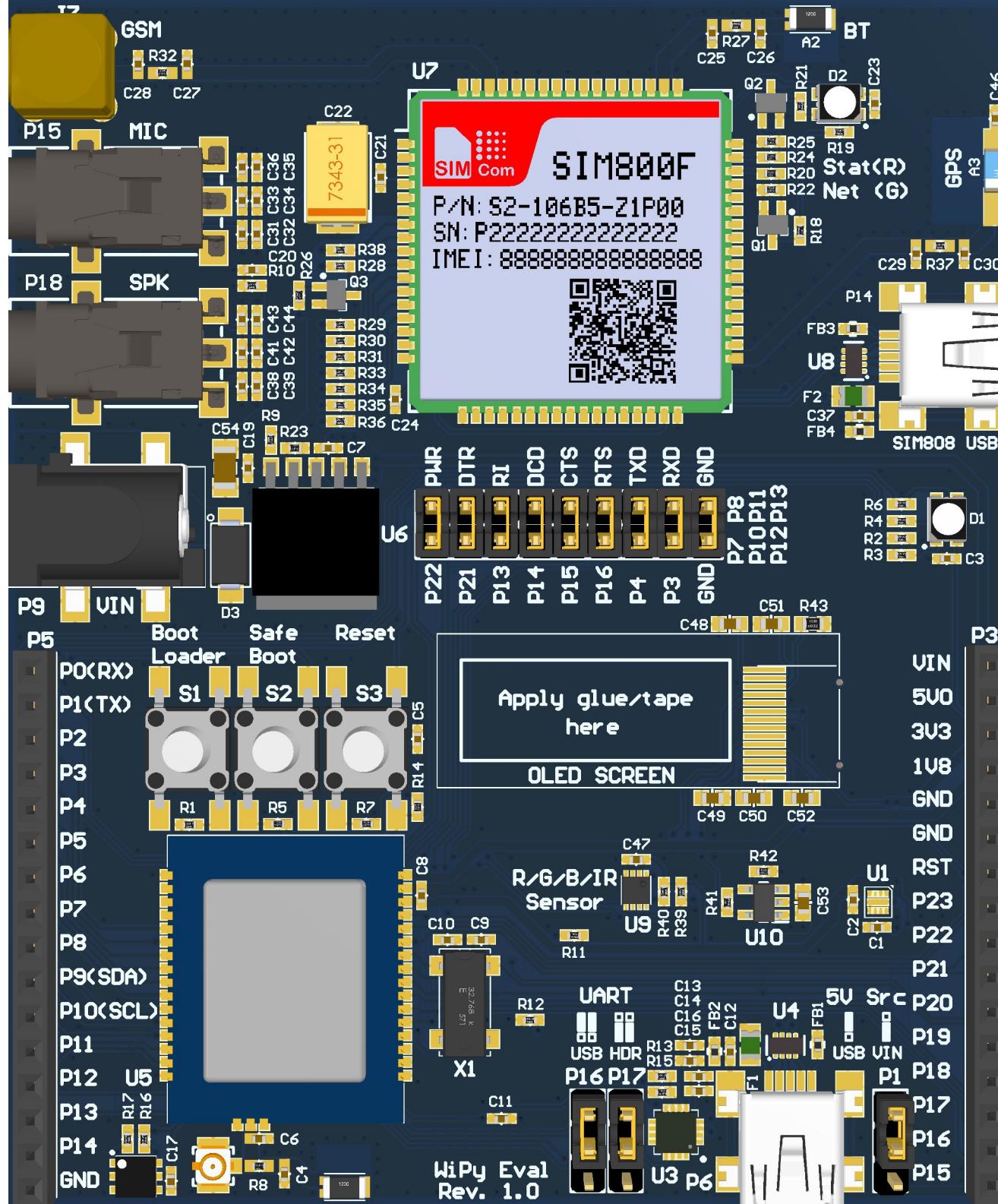
תלינה בורף זן
FTP נוע-העכבר&טרא
USER: wiicrew
PASS: backon

פ4

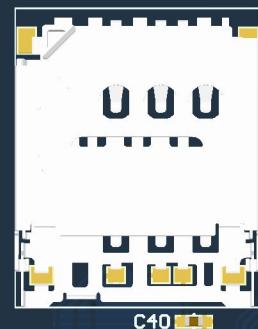
Board Stack Report

Stack Up		Layer Stack			
Layer	Board Layer Stack	Name	Material	Thickness	Constant
1		Top Paste			
2		Top Overlay			
3		Top Solder	Solder Resist	0,010mm	3,5
4	■ ■ ■	Top Layer	Copper	0,036mm	
5		Dielectric 1	FR-4	1,550mm	4,8
6	■ ■ ■	Bottom Layer	Copper	0,036mm	
7		Bottom Solder	Solder Resist	0,010mm	3,5
8		Bottom Overlay			
9		Bottom Paste			
	Height : 1,641mm				

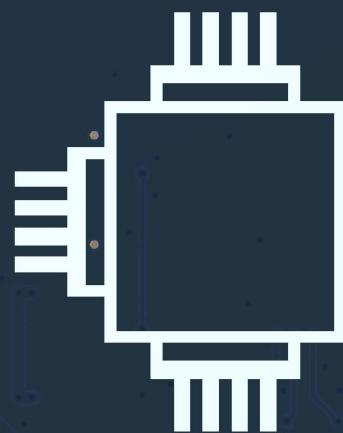
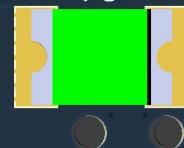
Designator	Description	Value	Tolerance	Marking	Supplier	Manufacturer Part Number 1	Supplier Part Number 1	Manufacturer Part Number 2	Supplier Part Number 2	
A1_A2	BuzzBelt® - WLAN / WiFi Ceramic Resonator, 27.000 MHz x 1 x 1.12 x 1 x 1.11 mm			Pulse Electronics	W0008	Farnell	2897223	Pulse Electronics	W0008	
A5_P15	QFN-44 (LQFP-44) 2.00 mm QMD SMD chip antenna, 2.716 (mm) 232x132x1.00 mm Socket, 1/4" [6.35mm] Roue-Hole, Vertical, 2 Pin Grid Open Circuit Pins, Not Inclined									
P16_C16										
C7_C13										
C15_C24	0402 SMD Capacitor	2.2u	10%	3.3V	Murata	GRT155CB0225KE01	Farnell	2872104	MURATA	GRT155CB0225KE01
C3_C8										
C11_C14										
C16_C19										
C20_C23										
C24_C26	0402 SMD Capacitor	100pF	10%	3.3V	MultiComp	MF0402B104K100CT	Farnell	2872143	MultiComp	MF0402B104K100CT
C4_C6										
C27_C29										
C30_C40	0402 SMD Capacitor	10pF	10%	3.3V	MultiComp	MF0402B101K250CT	Farnell	1753899	AVX	MF0402A101K1012A
C41_C42	0402 SMD Capacitor	10pF	10%	3.3V	MultiComp	MF0402B101K250CT	Farnell	1753899	AVX	MF0402A101K1012A
C22	Polarized Capacitor Surface Mount	330uF	10%		AVX	TAJ0317K030MNU	TAI	TAJ0317K030M		
C23										
C24_C24	0402 SMD Capacitor	1pF	10%	3.3V	Wolin Technologies	HSW21103050C	Farnell	2894802	MURATA	GRT155CH1030400D
C48_C49										
C50_C51										
C52_C53	0603 Imperial SMD Capacitor	1u	10%	1.6V	Samsung	CL108105K08NNNC	TAI	CL108105K08NNNC		
C54_C55	0402 SMD Capacitor	1uF	20%	3.3V	Qinetiq	2310441000ACWNNNE	TAI	2310441000ACWNNNE		
D1_02	LED SMD 0325PVC4 RGB 3x2x1mm 120° 20mA Common Anode				Broadcom	AVAGO ASMB-MT81-GA2	Farnell	2801156	BROADCOM	ASMB-MT81-GA2
D1_02	Schottky Diode Voltage Reverse Voltage Max. Vrrm: 40V Forward Current If, A _{AV} : 10A Forward Voltage Max. VF: 5.5				Avago	ASMB-MT81-GA2	Farnell	2801156	AVAGO	ASMB-MT81-GA2
P1_F2_F3	PCF Fuse 50mA				Microsemi	2514	Farnell	1671517	Microsemi	2514
991_F2					SiTel	SG7CF0300AF2C			SiTel	SG7CF0300AF2C
995_F4	Ferrite Bead	220uH 100mA	2%		Murata	EM115FD1215N10	Farnell	2443229	Murata	EM115FD1215N10
P12_J1_J2										
P12_J3										
P12_J4										
P12_J5										
J7	RJ2.5-3mm Block header jumper				TE Connectivity	120NNIG	AMPER-B		TE Connectivity	120NNIG
J7	DMX Female, 90 Angl. THT, Golded, Teflon Insulation									
J16	Molex 9880 Series Micro-SD Card Reader GM Card Connector with GM Termination									
P1_P1										
P6_P10										
P13_P16										
P17_P17	Rn Header, 1x2, 2.54mm				CONNELLY	251021_1*2P1-1	TAI	251021-05G		
P2	Hirose UFL connector				Hirose	UFL-R-SMT-110	Farnell	1688077	Hirose	UFL-R-SMT-110
P3_P5	Header, 16-Pin				Semic	SGD-116-21-3	Mouser	200-33211623	Semic	SGD-116-21-3
P4	Micro-SD Connectors Micro-SD 8 Pin				Amphenol Commercial	114-00841-48	Farnell	2663772	Amphenol Commercial	114-00841-48
P4	Micro-SD 8-Pin Connectors USB 2.0 SMT position: 9, USB				Amphenol	114-00841-48	Mouser	221-114-00841-48		
P5_P7										
P9	Socket Barrel jack DC, male, 5.5x1.3mm SMD				ACUM TECH	1025B-05-5-04-15041-03	TAI	ML05-05-5-04-15041-03		
P9	DC-1045 (FC01480)				FC	DC-1045 (FC01480)	TAI	FC01480		
P10	Iopower 40V 200mA 200mW 501323				NEOPERA	BC047AW115	TAI	BC047AW115		
P11_B5										
P11_B7										
P11_B8										
P11_B9										
P11_B10										
P11_B11										
P11_B12										
P11_B13										
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P11_B134										



J16



F3



KNSS

SSID: wipy-wlan-XXXX
PASS: www.pycom.io

Telnet port 23
FTP un-encrypted
User: micro
Pass: python

Sa 16