
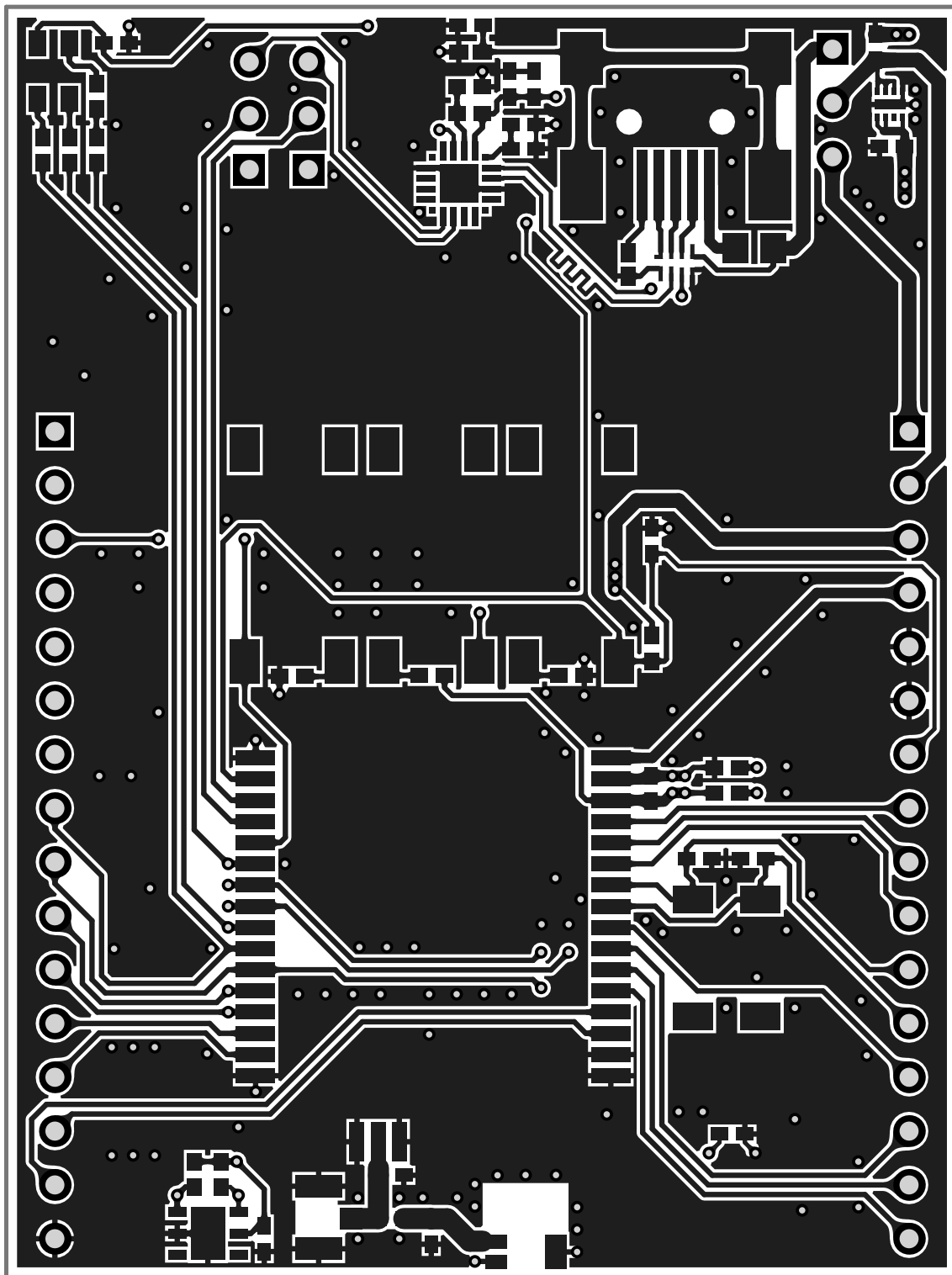


Project:	WiPy_uEval.PrjPCB	Revision:	1.0	<i>Koło Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19</i> 
File:	USB.SchDoc	Sheet:	2	
Variant:	[No Variations]	Total Sheet:	2	
Author:	Krzysztof Belewicz	Modified:	2019-05-16	

60,00mm

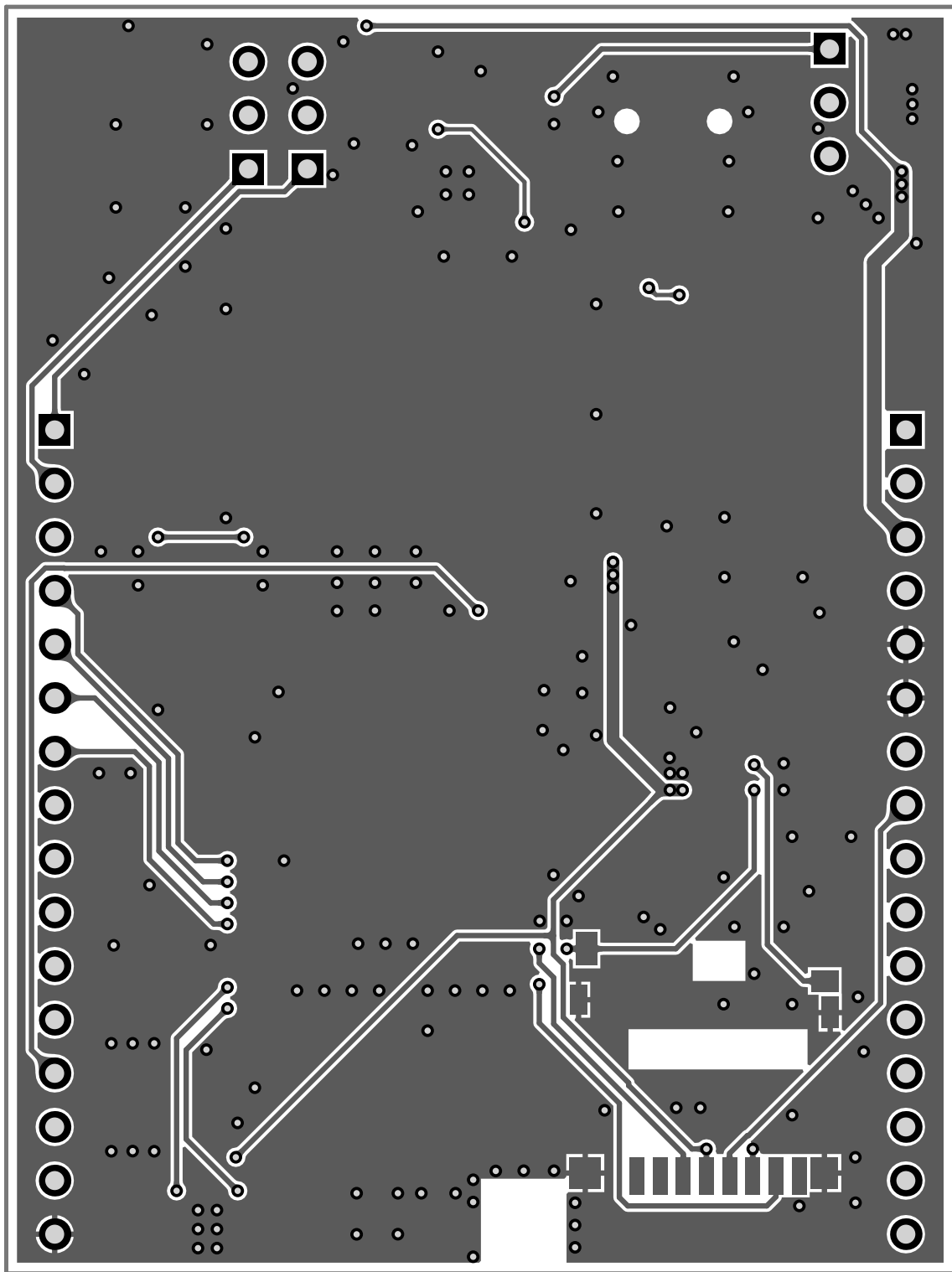


0,00mm

0,00mm

45,00mm

60,00mm

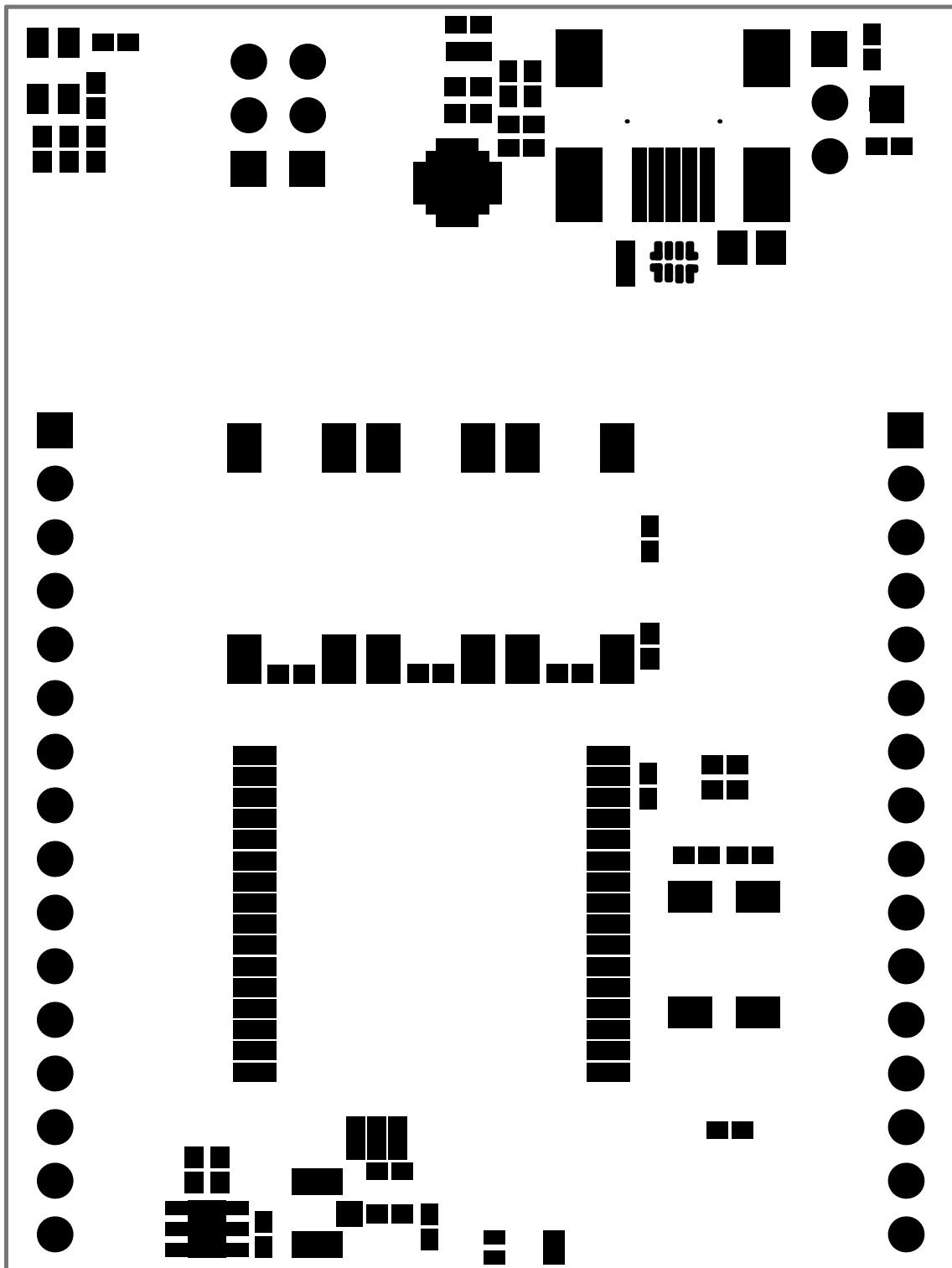


0,00mm

0,00mm

45,00mm

60,00mm



0,00mm

0,00mm

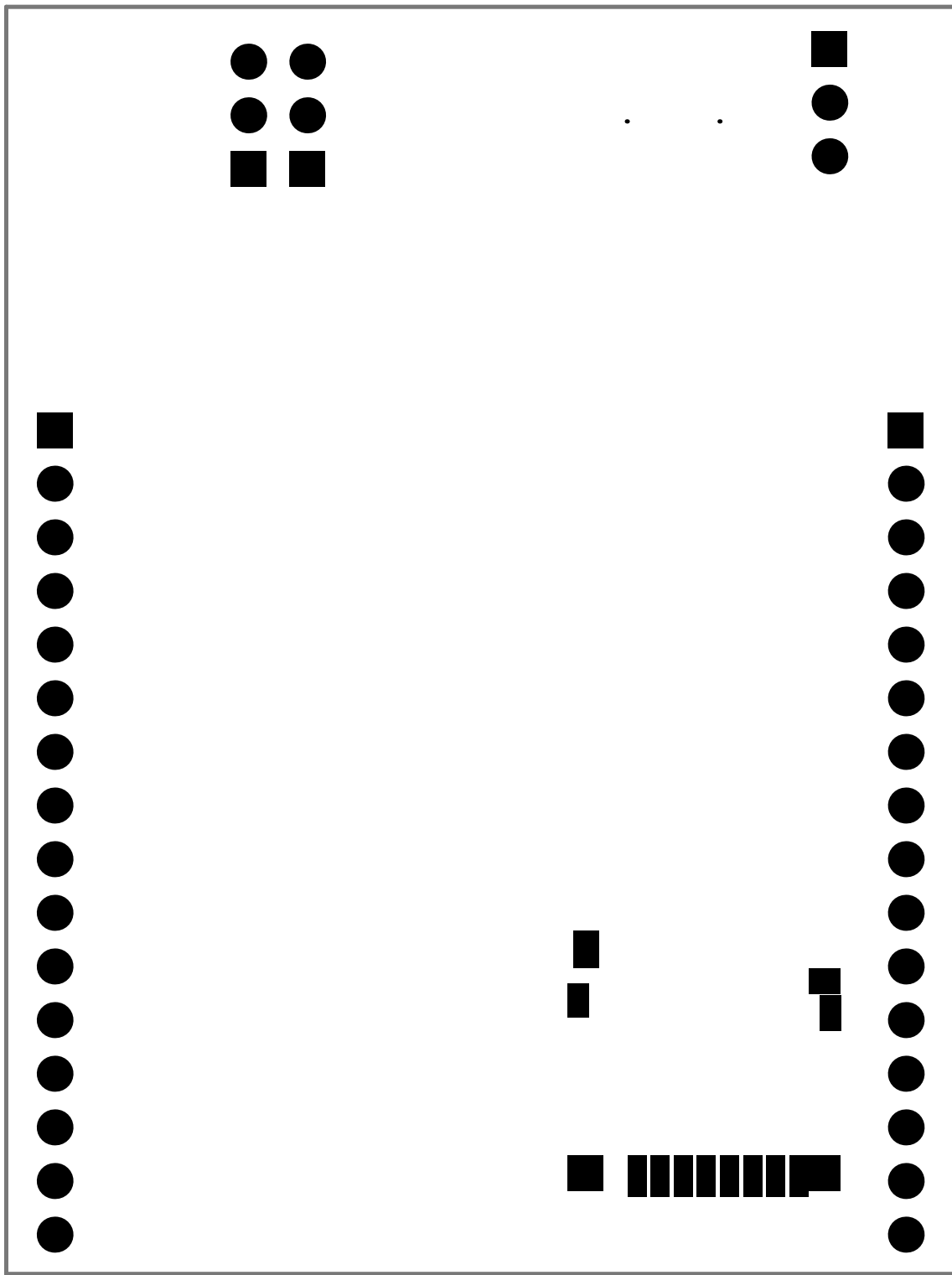
45,00mm

60,00mm

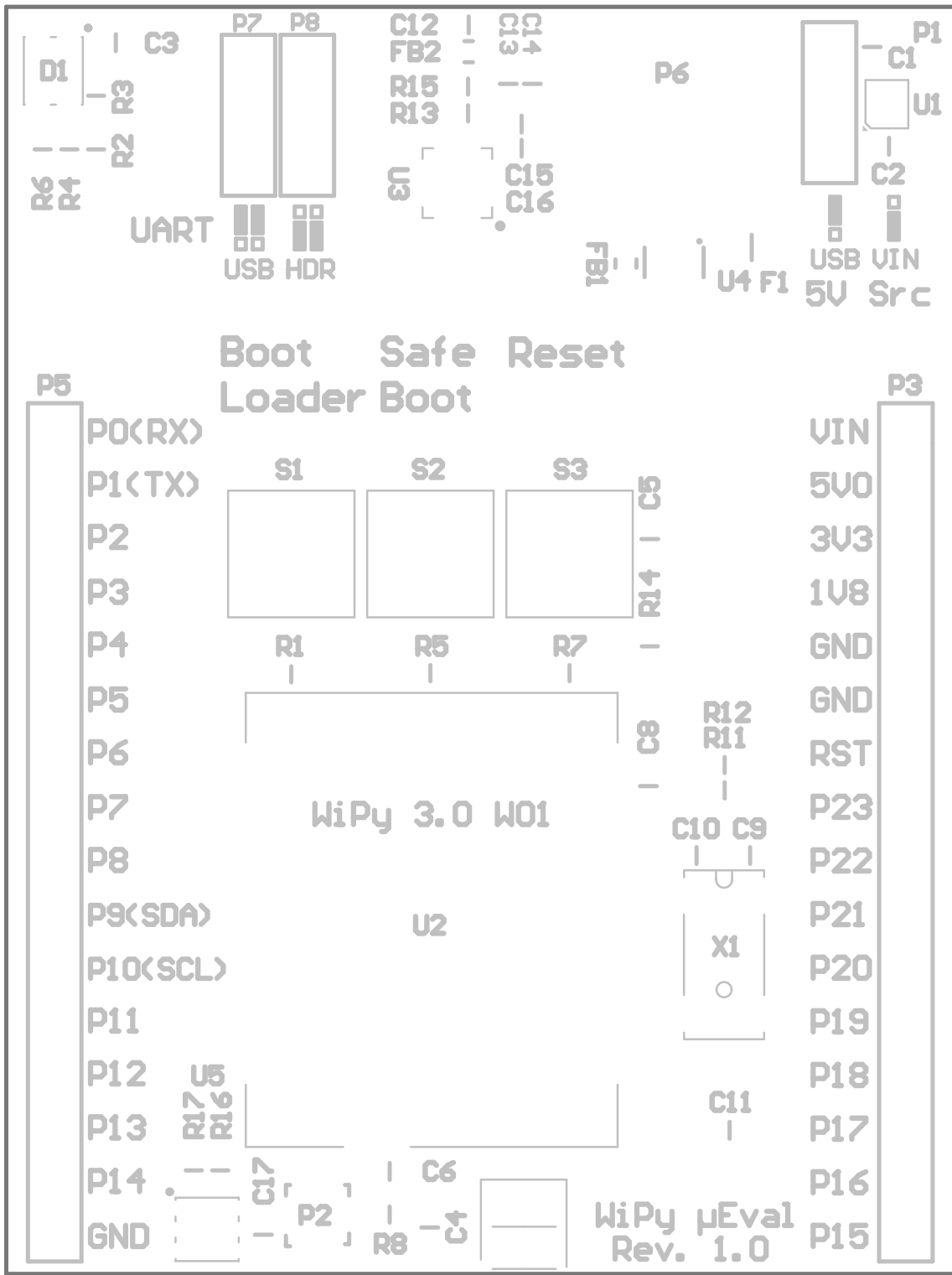
0,00mm

0,00mm

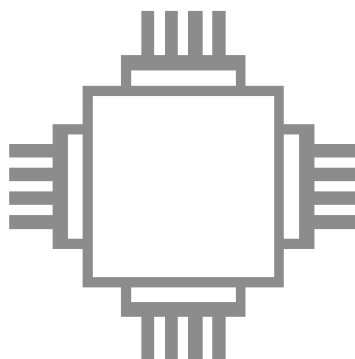
45,00mm



60,00mm



60,00mm



2SKN2

2SID: wipj-wjan-XXXX
PAS2: www.pycom.io

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









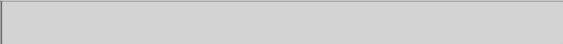







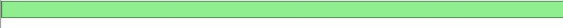
pt

0,00mm

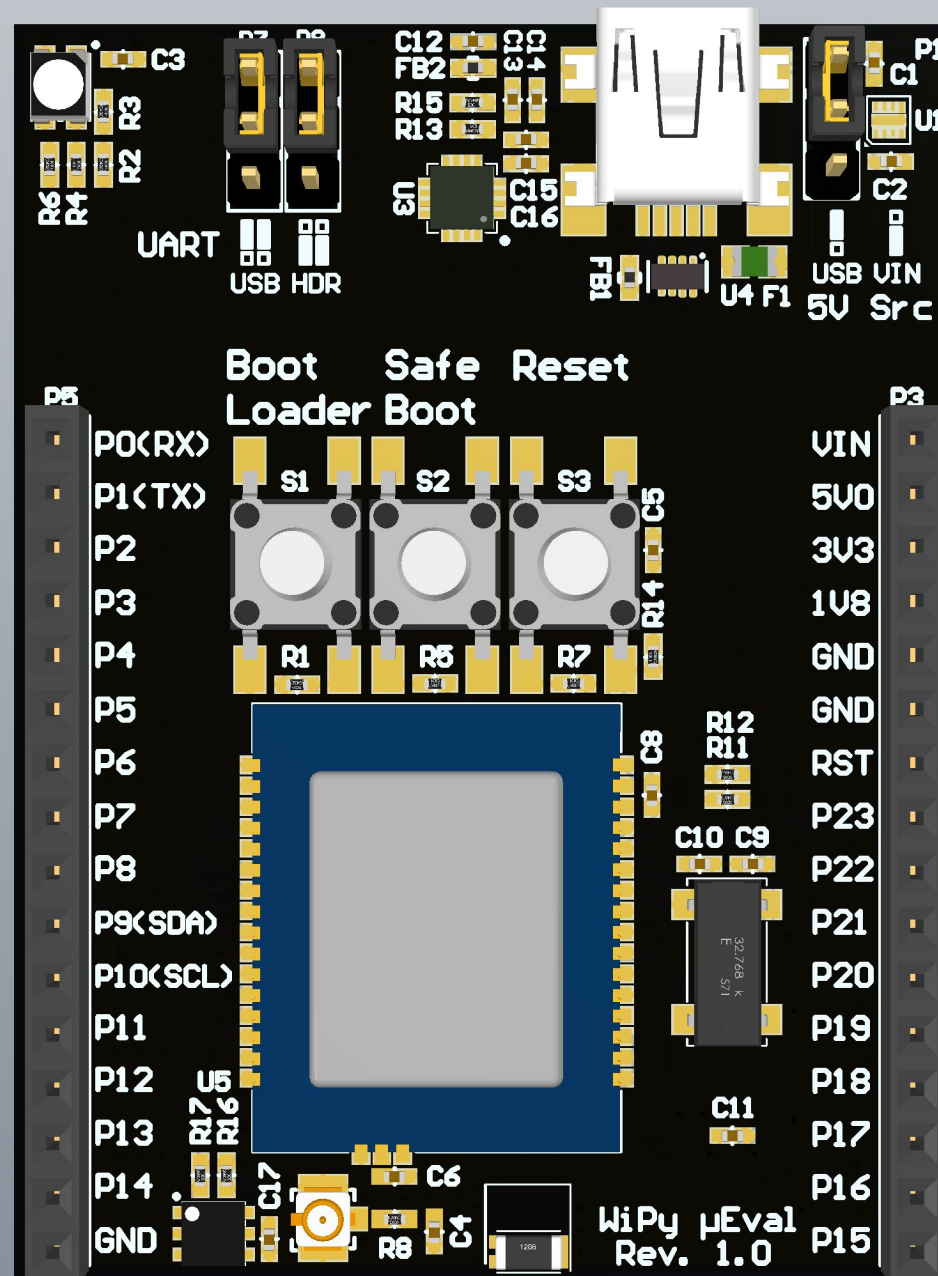
0,00mm

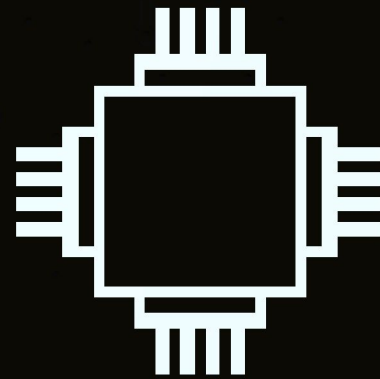
45,00mm

Board Stack Report

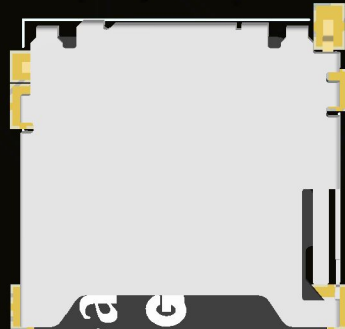
Stack Up		Layer Stack			
Layer	Board Layer Stack	Name	Material	Thickness	Constant
1		Top Paste			
2		Top Overlay			
3	  	Top Solder	Solder Resist	0,40mil	3,5
4	  	Top Layer	Copper	1,40mil	
5		Dielectric 1	FR-4	61,02mil	4,8
6	  	Bottom Layer	Copper	1,40mil	
7	  	Bottom Solder	Solder Resist	0,40mil	3,5
8		Bottom Overlay			
9		Bottom Paste			
	Height : 64,62mil				

Designator	Description	Value	Tolerance	MaxVoltage	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Manufacturer 2	Manufacturer Part Number 2	Supplier 2	Supplier Part Number 2
A1	Bluetooth / WLAN / WiFi Ceramic Chip Antenna W x L x H (3.2 x 1.6 x 1.1 mm)					Pulse Electronics	W3008	Farnell	2897223	Pulse Electronics	W3008	Mouser	673-W3008
C1, C2, C13, C15	0402 SMD Capacitor	2.2u	10%	6.3V	4	Murata	GRM155R60J225ME95D	Farnell	2362091	Murata	GRT155C80J225KE01D	Farnell	2672104
C3, C8, C11, C12, C14, C16, C17	0402 SMD Capacitor	100n	10%	16V	7	Multicomp	MC0402B104K100CT	Farnell	2627343	Samsung	CL05B104KO5NNNC	TME	CL05B104KO5NNNC
C4, C6	0402 SMD Capacitor	DNP			2								
C5	0402 SMD Capacitor	100p	10%	25V	1	Kyocera AVX	04025A101JAT2A	TME	04025A101JAT2A	Multicomp	MC0402B101K250CT	Farnell	1758898
C9, C10	0402 SMD Capacitor	10p	5%	50V	2	Vishay	VJ0402A100JXACW1BC	Farnell	2896329	Vishay Vitramon	VJ0402A100FXACW1BC	TME	VJ0402A100FXACW1BC
D1	LED; SMD; 3528,PLCC4; RGB: 3,5x2,8x1,9mm; 115°; 20mA; Common anode					Broadcom							
F1	PTC Fuse 500mA				1	Avago	ASMB-MTB1-0A3A2	Farnell	2401106	Broadcom	ASMB-MTB1-0A3A2	TME	ASMB-MTB1-0A3A2
					1	Excel Cell	SR075-06	TME	SR075-06				
FB1, FB2	Ferrite Bead	120@100MHz	25%		2	Murata	BLM15PD121SN1D	Farnell	2443229	Murata	BLM15PD121SN1D	TME	BLM15PD121SN1D
J1, J2, J3	1x2, 2.54mm Black header jumper				3	Multicomp	MC-2228CG	Farnell	2834673	Ninigi	JUMPER-B	TME	JUMPER-B
P1, P7, P8	Pin header, 1x3, 2.54mm				3	Ningbo Connfly Electric	DS1021-1*3SF1-1	TME	ZL201-03G				
P2	Hirose UFL connector				1	Hirose	U.FL-R-SMT-1(10)	Farnell	1688077			RS-Components	557-981
P3, P5	Header, 16-Pin				2	Harwin	M20-7821646	Mouser	855-M20-7821646	Harwin	M20-7821646	Mouser	855-M20-7821646
P4	Memory Card Connectors Micro SD 8 Pin PCB Gold				1	Amphenol Commercial	114-00841-68	Farnell	2666772	Amphenol ICC	1140084168	Mouser	523-114-00841-68
P6	Gniazdo; USB B mini; SMT; poziome; V: USB 2.0; złocony				1	Adam Tech	MUSB-B5-S-RA-TSMT-CS1	TME	MUSB-B5-S-RA-SMT				
R1, R5, R7, R12, R16, R17	0402 Film SMD Resistor	1k	1%		6	TE Connectivity Neohm	CRG0402J1K0	Farnell	1174154	Vishay	CRCW04021K00FKTDBC	TME	CRCW04021K00FKTDBC
R2, R3, R4, R6	0402 Film SMD Resistor	150	1%		4	TE Connectivity	CRGCQ0402F150R	Farnell	2861390	Yageo	RC0402FR-07150R	TME	RC0402FR-07150R
R8	0402 Film SMD Resistor	0	1%		1	Panasonic	ERJ-2GE0R00X	Farnell	ERJ2GE0R00X				
R11, R13, R14	0402 Film SMD Resistor	22k	1%		3	TE Connectivity	CRGCQ0402F22K	Farnell	2861416	Vishay	CRCW040222K0FKTDBC	TME	CRCW040222K0FKTDBC
R15	0402 Film SMD Resistor	47k	1%		1	TE Connectivity	CRGCQ0402F47K	Farnell	2861420	Royal Electronic Factory	0402WGF4702TCE	TME	SMD0402-47K-1%
S1, S2, S3	TACT: SPST-NO; 2 position; 0,05A/12VDC; SMT				3	Schurter	1301.9319	Farnell	1217771	Schurter	1301.9319	TME	1301.9319
U1	3.3V 1A LDO Voltage Regulator	3.3V			1	ON Semiconductor	NCP186AMX330TAG	Farnell	2507590				
U2	Wireless LAN Module, I2C, I2S, SPI, UART, M2M, Internet of Things				1	Semtech	W01	Farnell	2834998	Semtech	W01	Mouser	365-W01
U3	USB Interface IC USBXpress - USB to UART Bridge QFN20				1	Silicon Labs	CP2102N-A01-GQFN20	Farnell	2577277	Silicon Labs	CP2102N-A01-GQFN20	Mouser	634-CP2102NA01GQFN20
U4	STMicroelectronics Common Mode Filter with ESD protection, USB compatible				1	STMicroelectronics	ECMF02-4CMX8	Farnell	2629721				
U5	I2C HUMIDITY AND TEMPERATURE SENSOR				1	Silicon Labs	SI7006-A20-IM	Farnell	2473658	Silicon Labs	SI7006-A20-IM	Mouser	634-SI7006-A20-IM
X1	Standard Clock Oscillators 32,768kHz 20ppm -40C +85C				1	Epson	Q13MC30610003MC-30632.768KHZ12.5PF	Farnell	1216208	Epson	MC30632.768000KHZ12.5PF	TME	32.768KHZ-MC306





KNSS



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

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