

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:	2019-05-16		

A

A

B

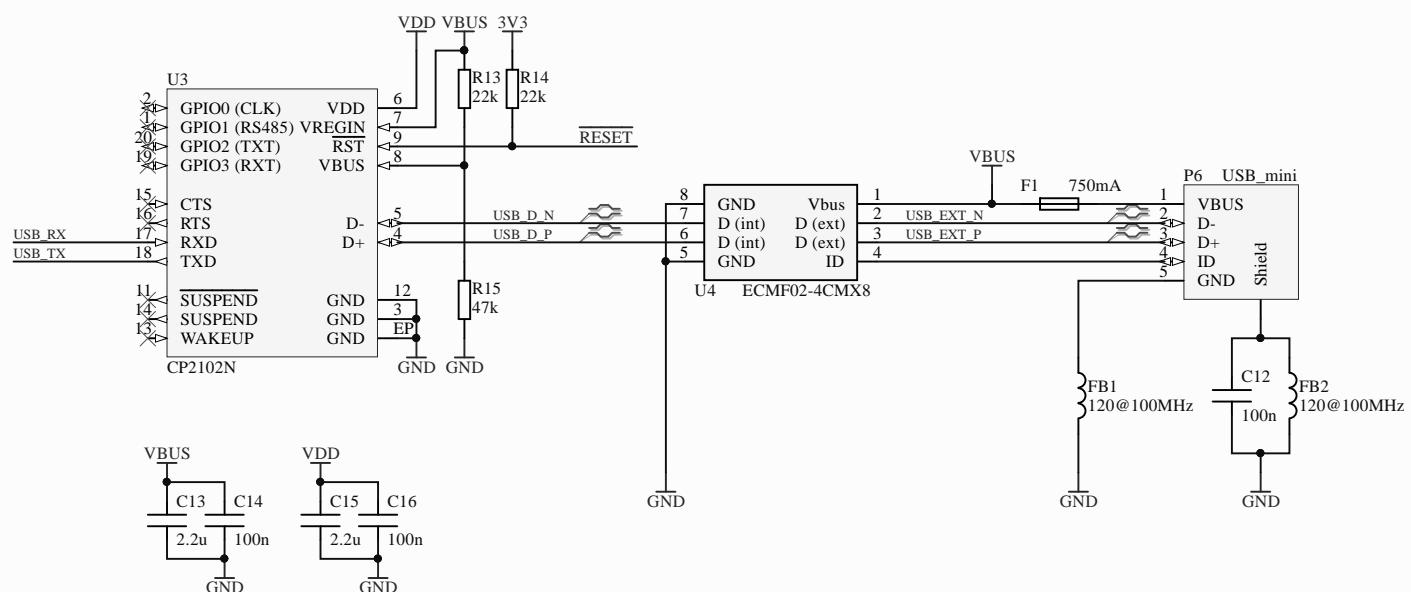
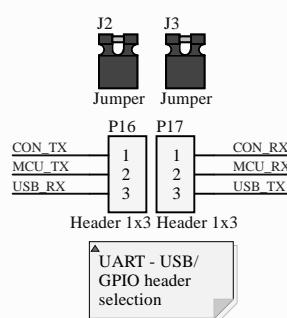
B

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:	2019-05-16	

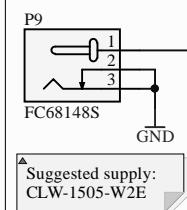


1

2

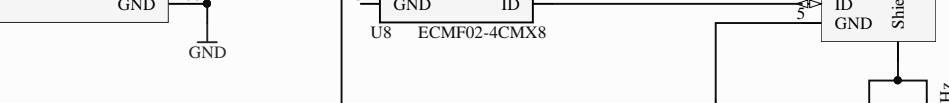
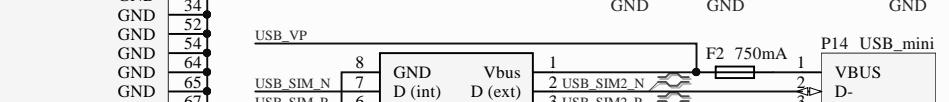
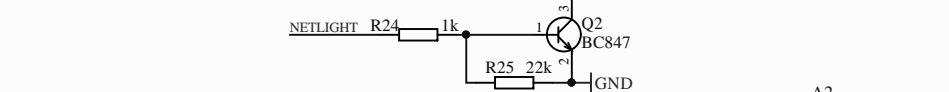
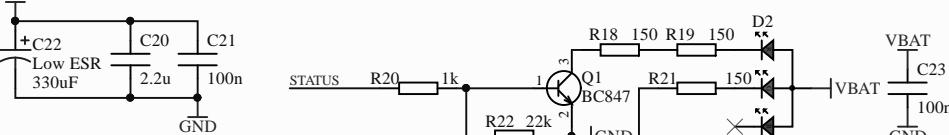
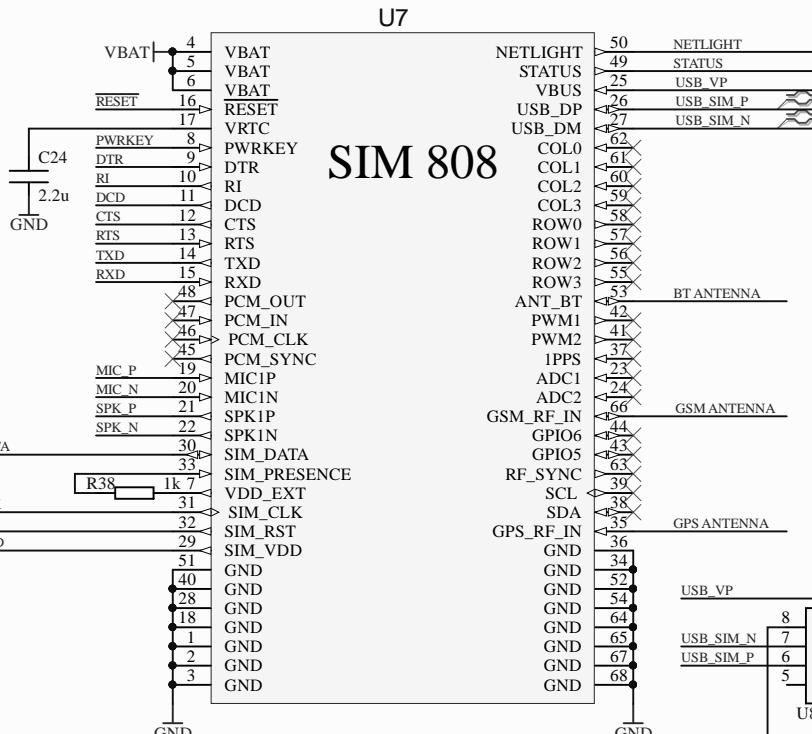
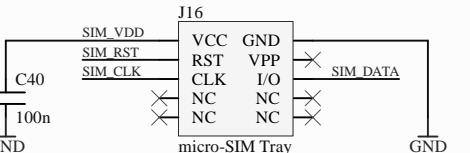
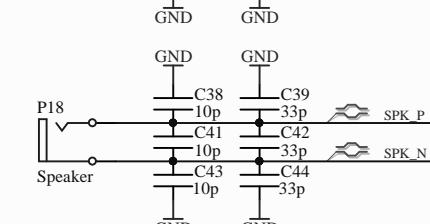
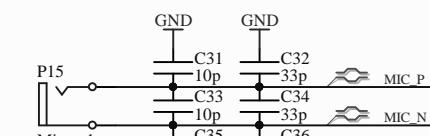
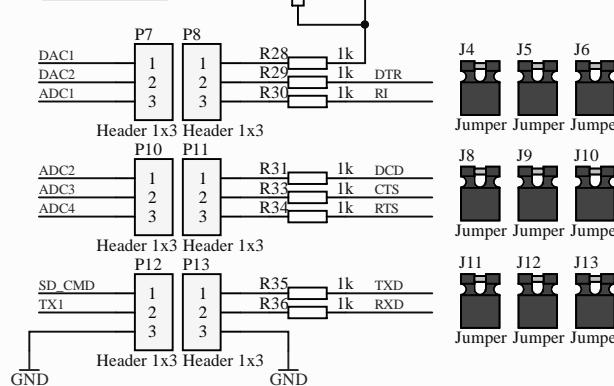
3

4



B

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



Project:	WiPy_Eval.PrjPCB	Revision:	1.0	Kolo Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19
File:	GSM.SchDoc	Sheet:	3	
Variant:	[No Variations]	Total Sheet:	4	
Author:	Krzysztof Belewicz, Paweł Pieńczuk	Modified:	2019-05-16	



A

B

C

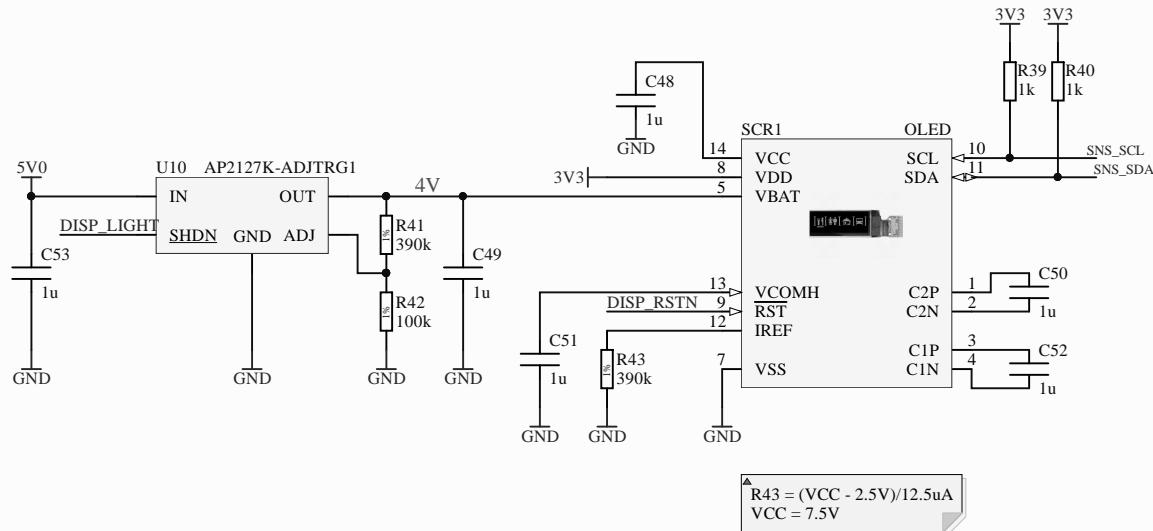
D

A

B

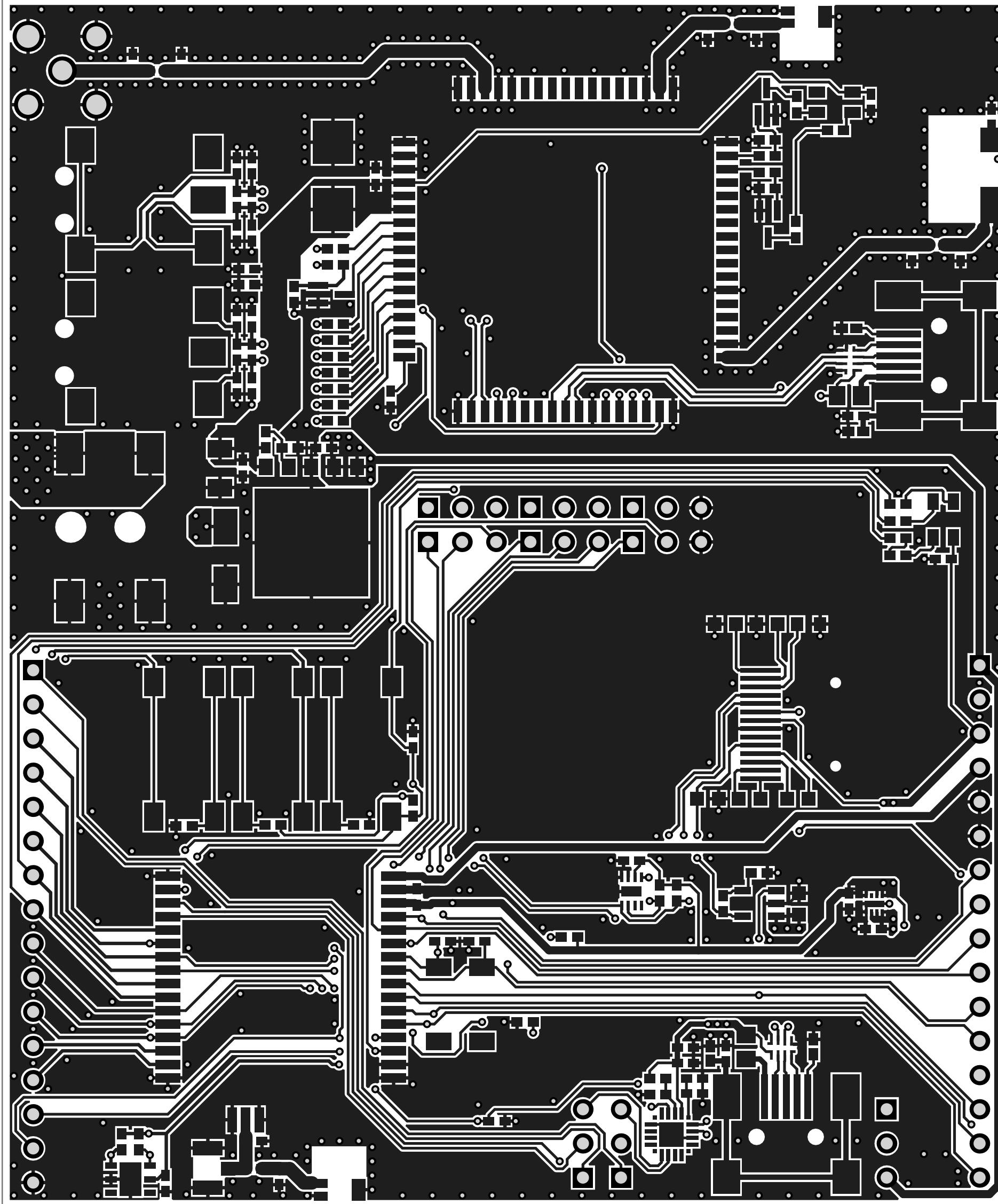
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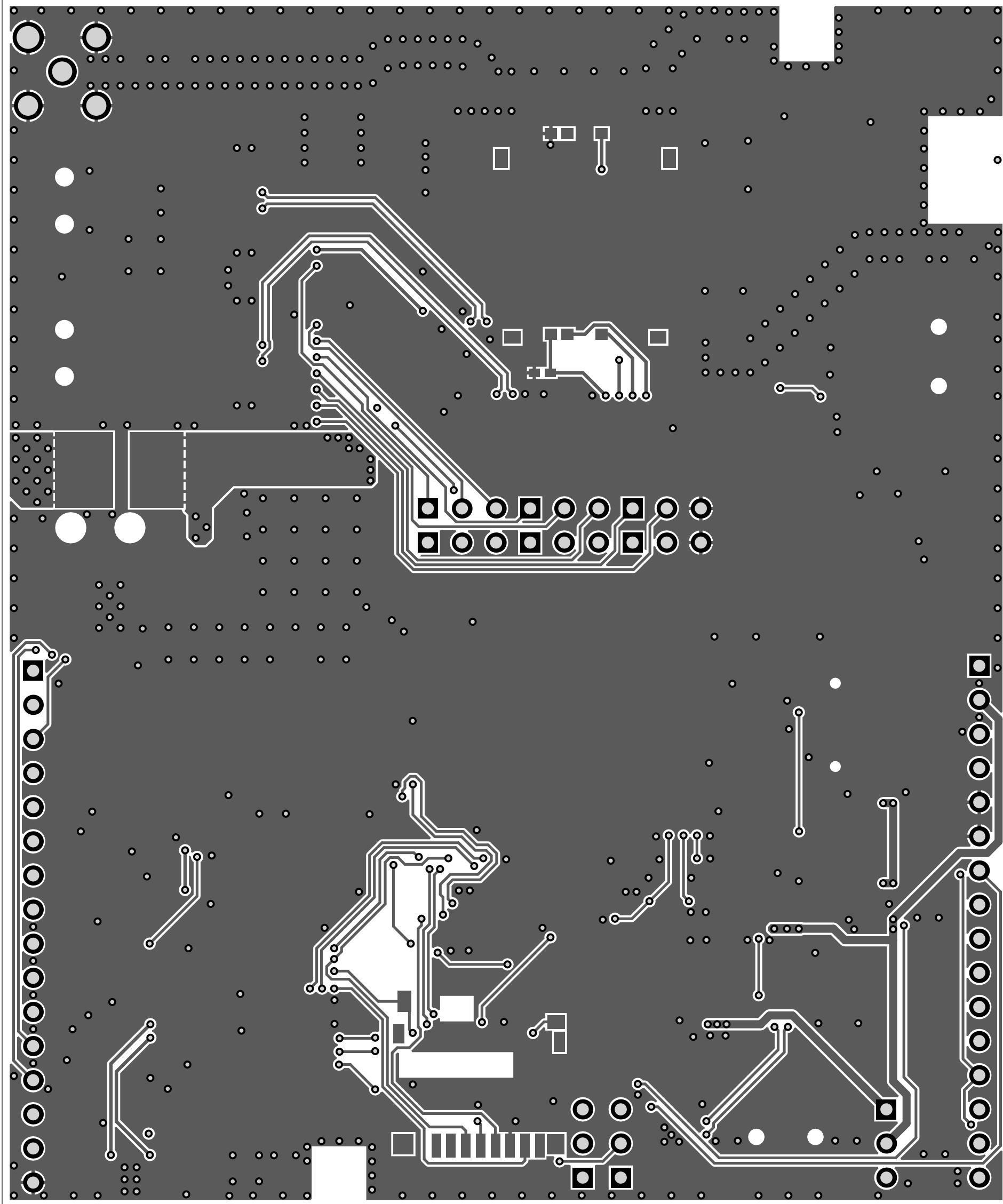
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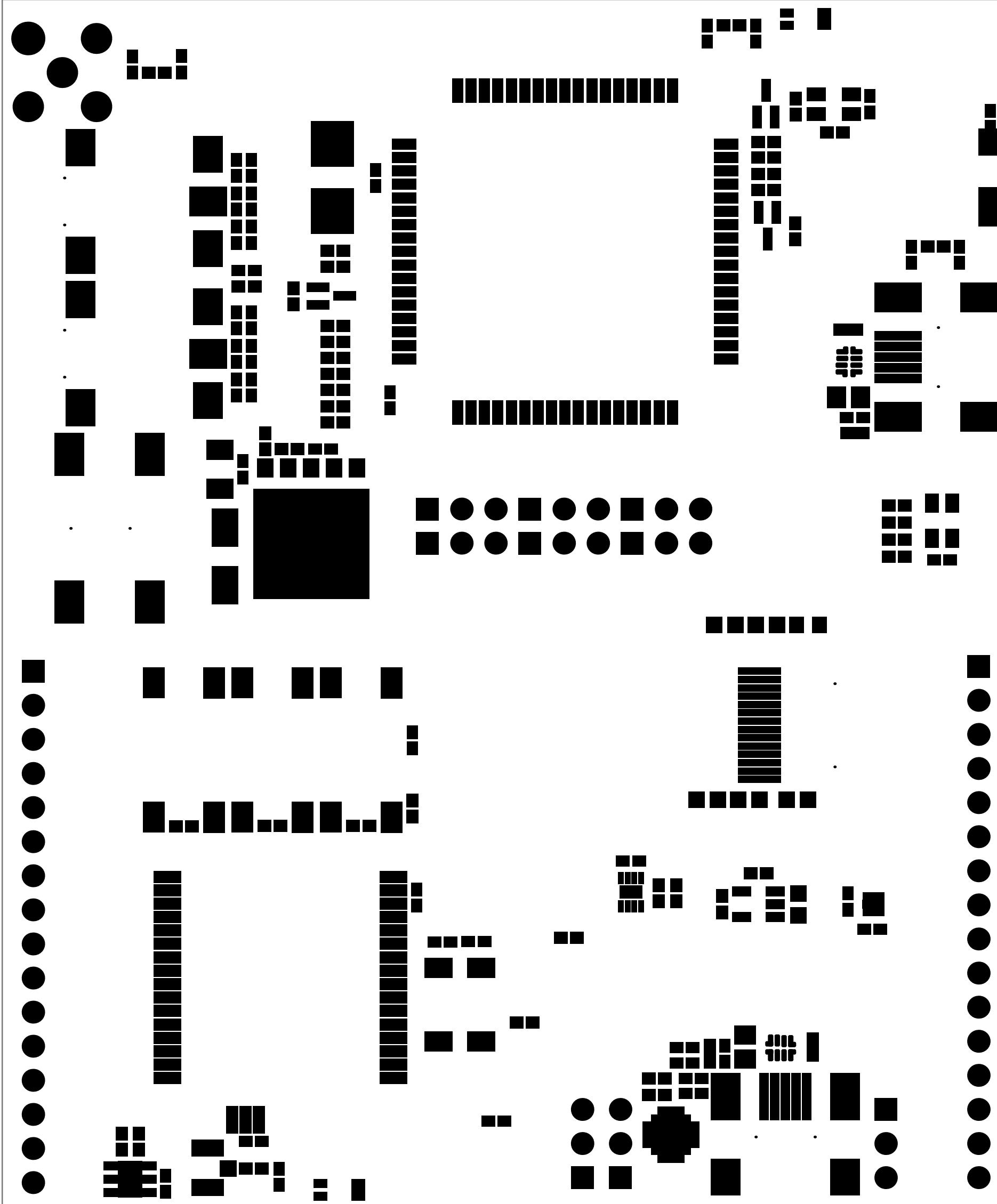


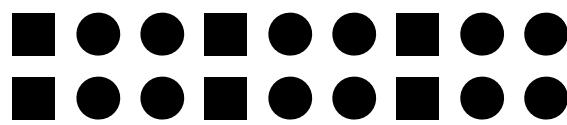
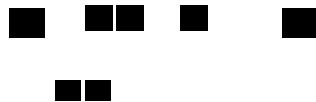
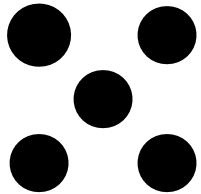
Project:	WiPy_Eval.PrjPCB	Revision:	1.0	Kolo Naukowe Systemów Scalonych 00-665 Warszawa Nowowiejska 15/19
File:	Display.SchDoc	Sheet:	4	
Variant:	[No Variations]	Total Sheet:	4	
Author:	Pawel Pieńczuk	Modified:	2019-05-16	

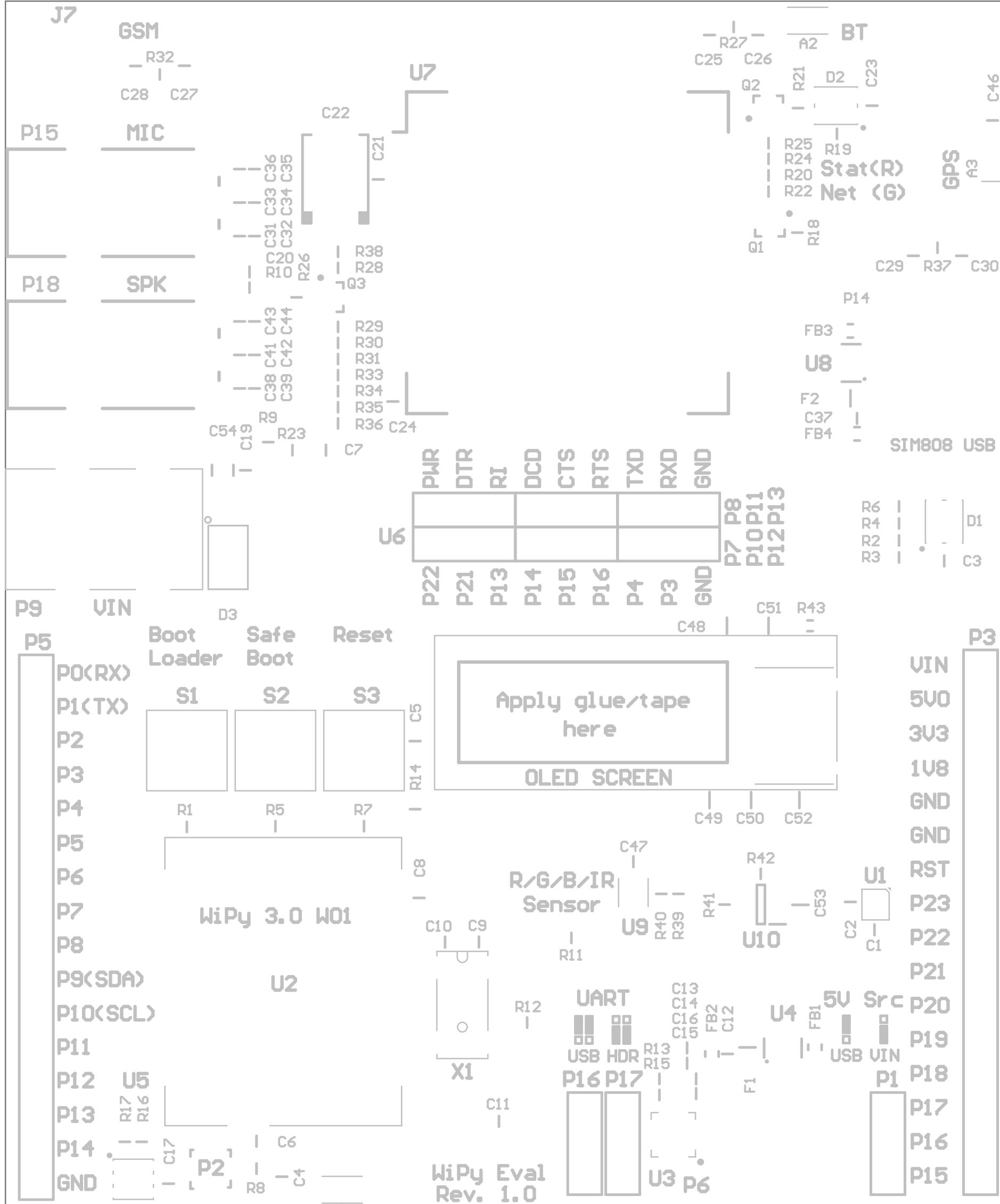












116



C40 I

פ3



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

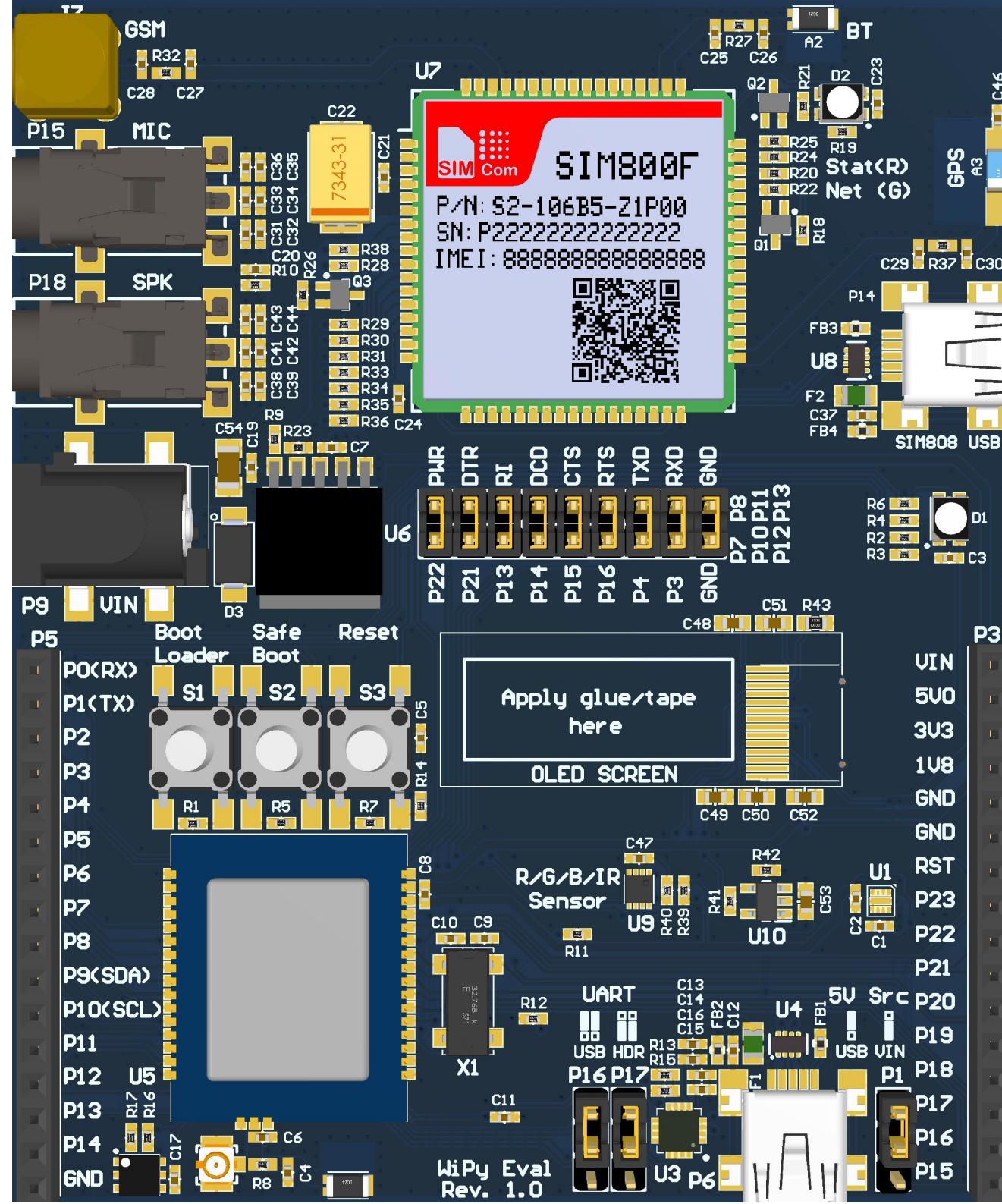
תלינה בורף זן
FTP נוע-העכבר&טרא
USER: wiicrew
PASS: backon

פ4

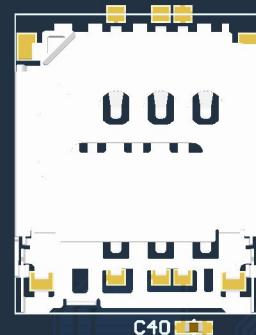
Board Stack Report

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				

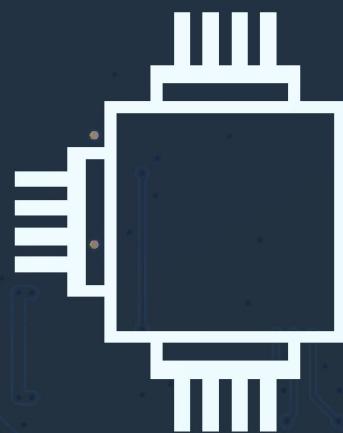
Design or Description	Value	Failure Mode	Manufacture Part Number	Supplier Part Number	Supplier Part Number 2	Manufacturer Part Number 1	Supplier Part Number 3	Supplier Part Number 2	Supplier Part Number 2
Board-Level / WLAN / WiFi PCB: 1.6mm thick Size: 41 x 19 x 3.2 x 1 x 1		Pulse Electromagnetic	WV208	Jennell	287722	Pulse Electromagnetic	WV208	Mouser	619-WV208
A1_A2 10/100/1000Mbps SMD SMD 500mW chip Power: 0.5W (max) Size: 3.2x1.6x0.5 mm		Yukon Technologies	YTCAS2160B0021	TME	YTCAS2160B0021				
A3 1.2V 1.25V 1.27V 1.29V 1.31V 1.33V 1.35V 1.37V 1.39V 1.41V 1.43V 1.45V 1.47V 1.49V 1.51V 1.53V 1.55V 1.57V 1.59V 1.61V 1.63V 1.65V 1.67V 1.69V 1.71V 1.73V 1.75V 1.77V 1.79V 1.81V 1.83V 1.85V 1.87V 1.89V 1.91V 1.93V 1.95V 1.97V 1.99V 2.01V 2.03V 2.05V 2.07V 2.09V 2.11V 2.13V 2.15V 2.17V 2.19V 2.21V 2.23V 2.25V 2.27V 2.29V 2.31V 2.33V 2.35V 2.37V 2.39V 2.41V 2.43V 2.45V 2.47V 2.49V 2.51V 2.53V 2.55V 2.57V 2.59V 2.61V 2.63V 2.65V 2.67V 2.69V 2.71V 2.73V 2.75V 2.77V 2.79V 2.81V 2.83V 2.85V 2.87V 2.89V 2.91V 2.93V 2.95V 2.97V 2.99V 3.01V 3.03V 3.05V 3.07V 3.09V 3.11V 3.13V 3.15V 3.17V 3.19V 3.21V 3.23V 3.25V 3.27V 3.29V 3.31V 3.33V 3.35V 3.37V 3.39V 3.41V 3.43V 3.45V 3.47V 3.49V 3.51V 3.53V 3.55V 3.57V 3.59V 3.61V 3.63V 3.65V 3.67V 3.69V 3.71V 3.73V 3.75V 3.77V 3.79V 3.81V 3.83V 3.85V 3.87V 3.89V 3.91V 3.93V 3.95V 3.97V 3.99V 4.01V 4.03V 4.05V 4.07V 4.09V 4.11V 4.13V 4.15V 4.17V 4.19V 4.21V 4.23V 4.25V 4.27V 4.29V 4.31V 4.33V 4.35V 4.37V 4.39V 4.41V 4.43V 4.45V 4.47V 4.49V 4.51V 4.53V 4.55V 4.57V 4.59V 4.61V 4.63V 4.65V 4.67V 4.69V 4.71V 4.73V 4.75V 4.77V 4.79V 4.81V 4.83V 4.85V 4.87V 4.89V 4.91V 4.93V 4.95V 4.97V 4.99V 5.01V 5.03V 5.05V 5.07V 5.09V 5.11V 5.13V 5.15V 5.17V 5.19V 5.21V 5.23V 5.25V 5.27V 5.29V 5.31V 5.33V 5.35V 5.37V 5.39V 5.41V 5.43V 5.45V 5.47V 5.49V 5.51V 5.53V 5.55V 5.57V 5.59V 5.61V 5.63V 5.65V 5.67V 5.69V 5.71V 5.73V 5.75V 5.77V 5.79V 5.81V 5.83V 5.85V 5.87V 5.89V 5.91V 5.93V 5.95V 5.97V 5.99V 6.01V 6.03V 6.05V 6.07V 6.09V 6.11V 6.13V 6.15V 6.17V 6.19V 6.21V 6.23V 6.25V 6.27V 6.29V 6.31V 6.33V 6.35V 6.37V 6.39V 6.41V 6.43V 6.45V 6.47V 6.49V 6.51V 6.53V 6.55V 6.57V 6.59V 6.61V 6.63V 6.65V 6.67V 6.69V 6.71V 6.73V 6.75V 6.77V 6.79V 6.81V 6.83V 6.85V 6.87V 6.89V 6.91V 6.93V 6.95V 6.97V 6.99V 7.01V 7.03V 7.05V 7.07V 7.09V 7.11V 7.13V 7.15V 7.17V 7.19V 7.21V 7.23V 7.25V 7.27V 7.29V 7.31V 7.33V 7.35V 7.37V 7.39V 7.41V 7.43V 7.45V 7.47V 7.49V 7.51V 7.53V 7.55V 7.57V 7.59V 7.61V 7.63V 7.65V 7.67V 7.69V 7.71V 7.73V 7.75V 7.77V 7.79V 7.81V 7.83V 7.85V 7.87V 7.89V 7.91V 7.93V 7.95V 7.97V 7.99V 8.01V 8.03V 8.05V 8.07V 8.09V 8.11V 8.13V 8.15V 8.17V 8.19V 8.21V 8.23V 8.25V 8.27V 8.29V 8.31V 8.33V 8.35V 8.37V 8.39V 8.41V 8.43V 8.45V 8.47V 8.49V 8.51V 8.53V 8.55V 8.57V 8.59V 8.61V 8.63V 8.65V 8.67V 8.69V 8.71V 8.73V 8.75V 8.77V 8.79V 8.81V 8.83V 8.85V 8.87V 8.89V 8.91V 8.93V 8.95V 8.97V 8.99V 9.01V 9.03V 9.05V 9.07V 9.09V 9.11V 9.13V 9.15V 9.17V 9.19V 9.21V 9.23V 9.25V 9.27V 9.29V 9.31V 9.33V 9.35V 9.37V 9.39V 9.41V 9.43V 9.45V 9.47V 9.49V 9.51V 9.53V 9.55V 9.57V 9.59V 9.61V 9.63V 9.65V 9.67V 9.69V 9.71V 9.73V 9.75V 9.77V 9.79V 9.81V 9.83V 9.85V 9.87V 9.89V 9.91V 9.93V 9.95V 9.97V 9.99V 10.01V 10.03V 10.05V 10.07V 10.09V 10.11V 10.13V 10.15V 10.17V 10.19V 10.21V 10.23V 10.25V 10.27V 10.29V 10.31V 10.33V 10.35V 10.37V 10.39V 10.41V 10.43V 10.45V 10.47V 10.49V 10.51V 10.53V 10.55V 10.57V 10.59V 10.61V 10.63V 10.65V 10.67V 10.69V 10.71V 10.73V 10.75V 10.77V 10.79V 10.81V 10.83V 10.85V 10.87V 10.89V 10.91V 10.93V 10.95V 10.97V 10.99V 11.01V 11.03V 11.05V 11.07V 11.09V 11.11V 11.13V 11.15V 11.17V 11.19V 11.21V 11.23V 11.25V 11.27V 11.29V 11.31V 11.33V 11.35V 11.37V 11.39V 11.41V 11.43V 11.45V 11.47V 11.49V 11.51V 11.53V 11.55V 11.57V 11.59V 11.61V 11.63V 11.65V 11.67V 11.69V 11.71V 11.73V 11.75V 11.77V 11.79V 11.81V 11.83V 11.85V 11.87V 11.89V 11.91V 11.93V 11.95V 11.97V 11.99V 12.01V 12.03V 12.05V 12.07V 12.09V 12.11V 12.13V 12.15V 12.17V 12.19V 12.21V 12.23V 12.25V 12.27V 12.29V 12.31V 12.33V 12.35V 12.37V 12.39V 12.41V 12.43V 12.45V 12.47V 12.49V 12.51V 12.53V 12.55V 12.57V 12.59V 12.61V 12.63V 12.65V 12.67V 12.69V 12.71V 12.73V 12.75V 12.77V 12.79V 12.81V 12.83V 12.85V 12.87V 12.89V 12.91V 12.93V 12.95V 12.97V 12.99V 13.01V 13.03V 13.05V 13.07V 13.09V 13.11V 13.13V 13.15V 13.17V 13.19V 13.21V 13.23V 13.25V 13.27V 13.29V 13.31V 13.33V 13.35V 13.37V 13.39V 13.41V 13.43V 13.45V 13.47V 13.49V 13.51V 13.53V 13.55V 13.57V 13.59V 13.61V 13.63V 13.65V 13.67V 13.69V 13.71V 13.73V 13.75V 13.77V 13.79V 13.81V 13.83V 13.85V 13.87V 13.89V 13.91V 13.93V 13.95V 13.97V 13.99V 14.01V 14.03V 14.05V 14.07V 14.09V 14.11V 14.13V 14.15V 14.17V 14.19V 14.21V 14.23V 14.25V 14.27V 14.29V 14.31V 14.33V 14.35V 14.37V 14.39V 14.41V 14.43V 14.45V 14.47V 14.49V 14.51V 14.53V 14.55V 14.57V 14.59V 14.61V 14.63V 14.65V 14.67V 14.69V 14.71V 14.73V 14.75V 14.77V 14.79V 14.81V 14.83V 14.85V 14.87V 14.89V 14.91V 14.93V 14.95V 14.97V 14.99V 15.01V 15.03V 15.05V 15.07V 15.09V 15.11V 15.13V 15.15V 15.17V 15.19V 15.21V 15.23V 15.25V 15.27V 15.29V 15.31V 15.33V 15.35V 15.37V 15.39V 15.41V 15.43V 15.45V 15.47V 15.49V 15.51V 15.53V 15.55V 15.57V 15.59V 15.61V 15.63V 15.65V 15.67V 15.69V 15.71V 15.73V 15.75V 15.77V 15.79V 15.81V 15.83V 15.85V 15.87V 15.89V 15.91V 15.93V 15.95V 15.97V 15.99V 16.01V 16.03V 16.05V 16.07V 16.09V 16.11V 16.13V 16.15V 16.17V 16.19V 16.21V 16.23V 16.25V 16.27V 16.29V 16.31V 16.33V 16.35V 16.37V 16.39V 16.41V 16.43V 16.45V 16.47V 16.49V 16.51V 16.53V 16.55V 16.57V 16.59V 16.61V 16.63V 16.65V 16.67V 16.69V 16.71V 16.73V 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J16



F3



KNSS

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

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

Sa 16