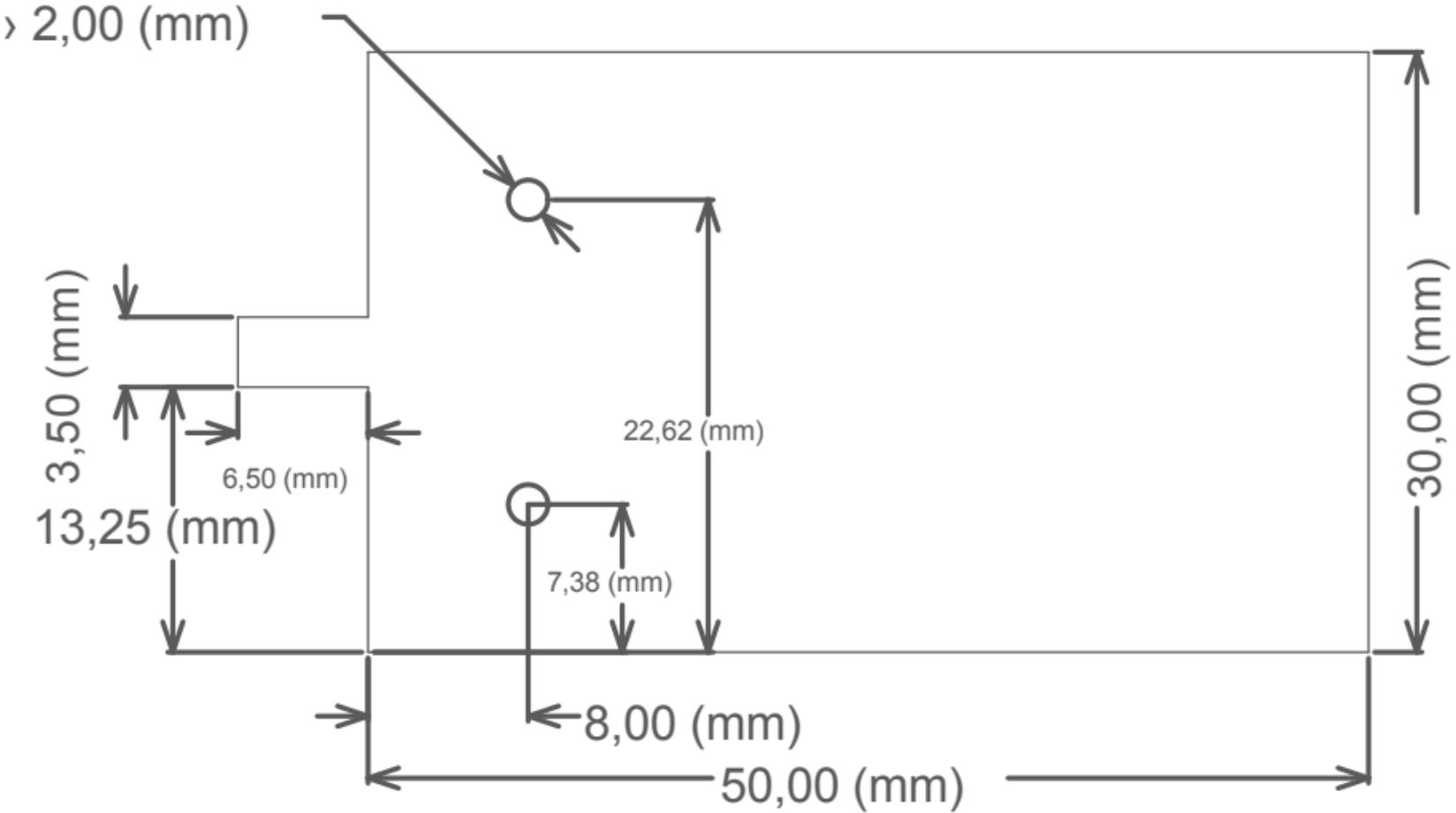
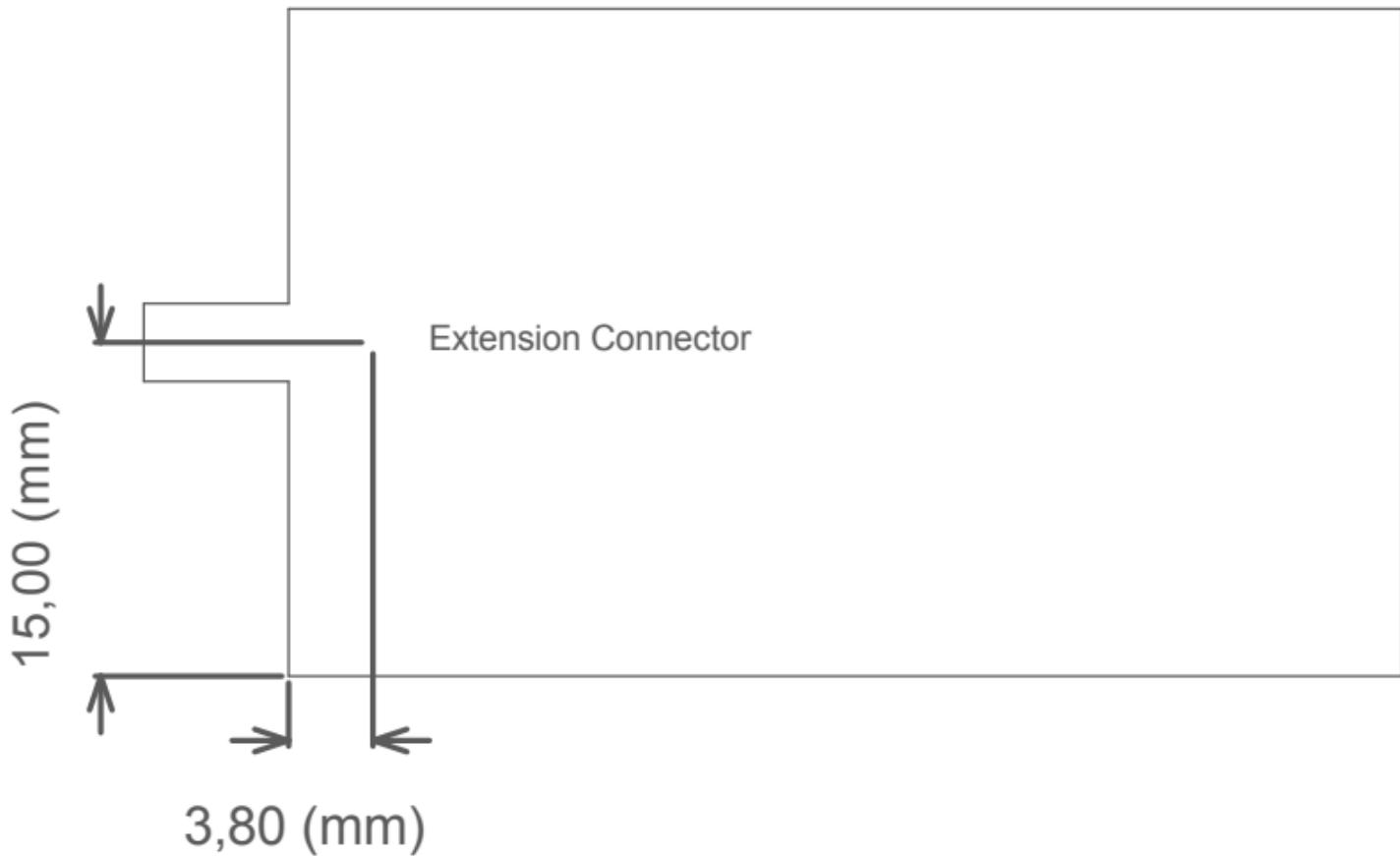
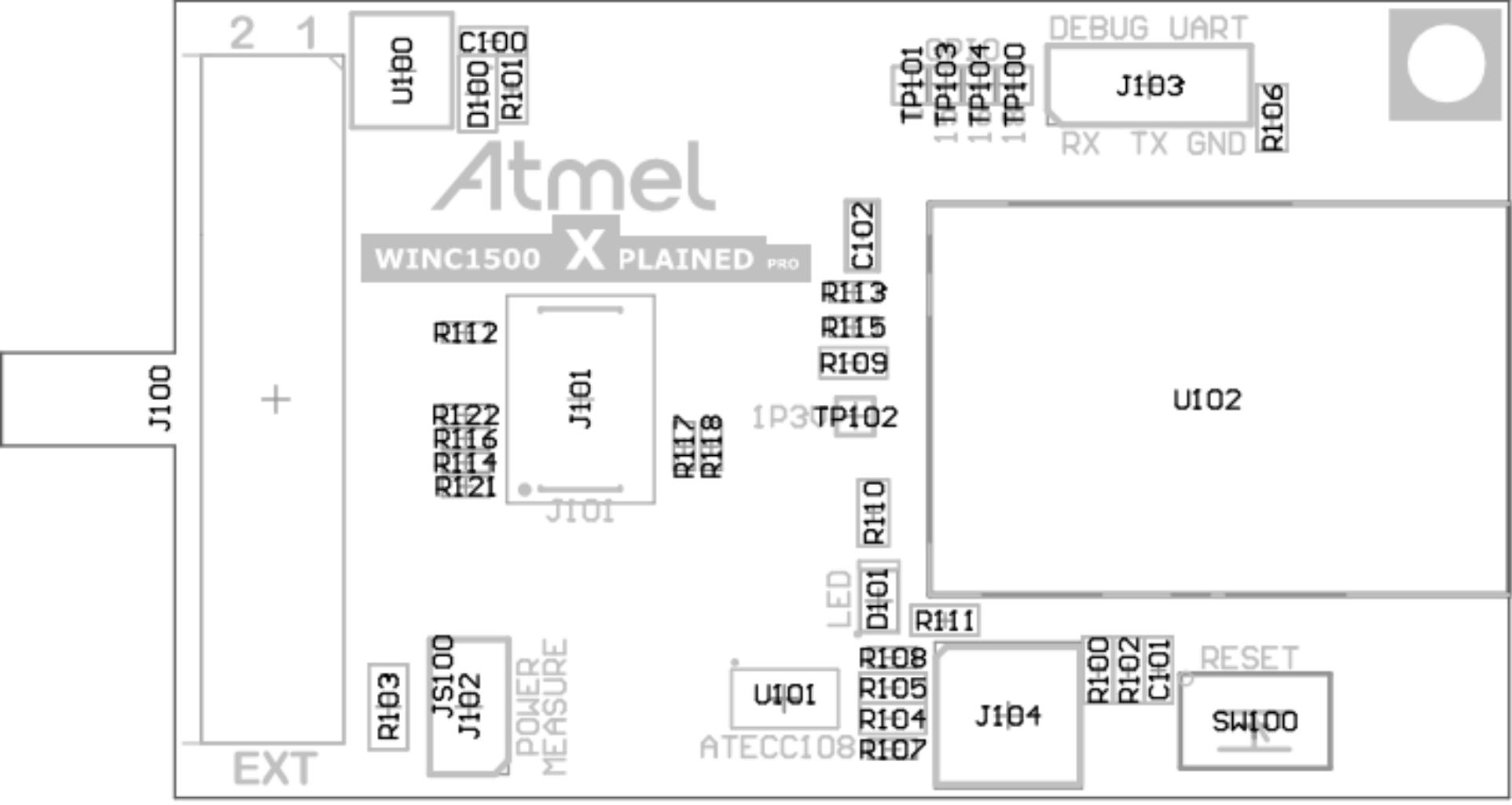


Mechanical Dimensions



Component Placement

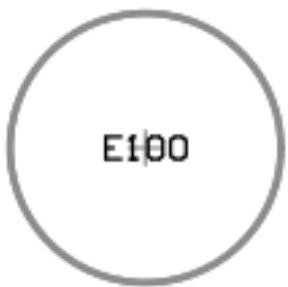




DEBUG UART

GND TX RX

GPIO_1
GPIO_15
GPIO_16
GPIO_18



1P3U

DEBUG I2C

GND

SCL

SDA

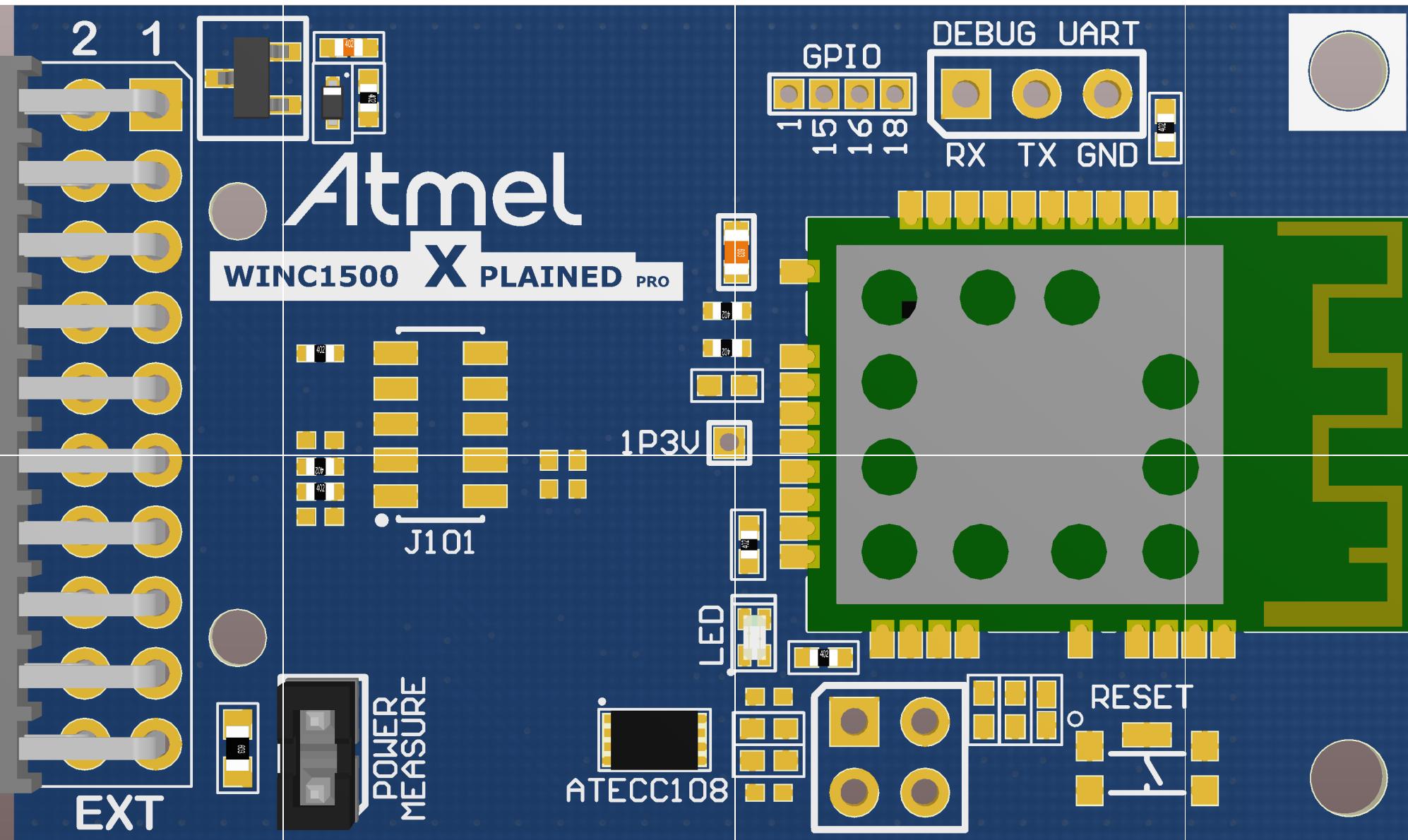


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A08-22254 Rev 2

PCBA LABEL

ABE100



A08-2254 Rev 2

PCBA LABEL

DEBUG UART

GND TX RX

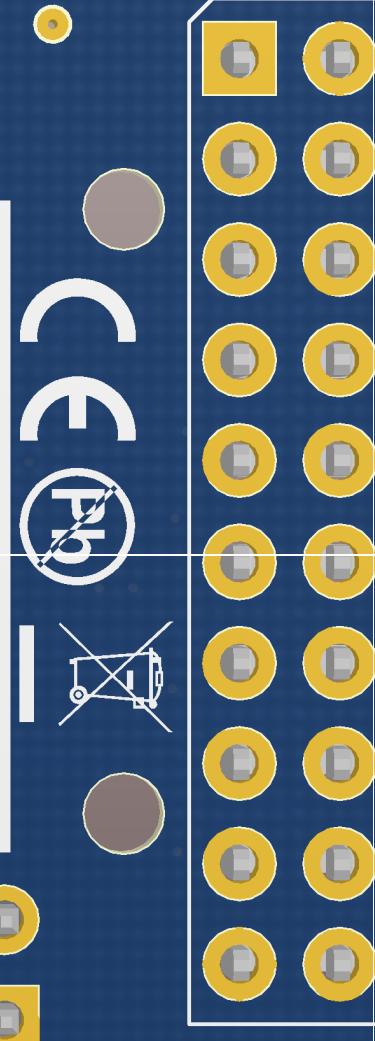
GPIO_1
GPIO_15
GPIO_16
GPIO_18

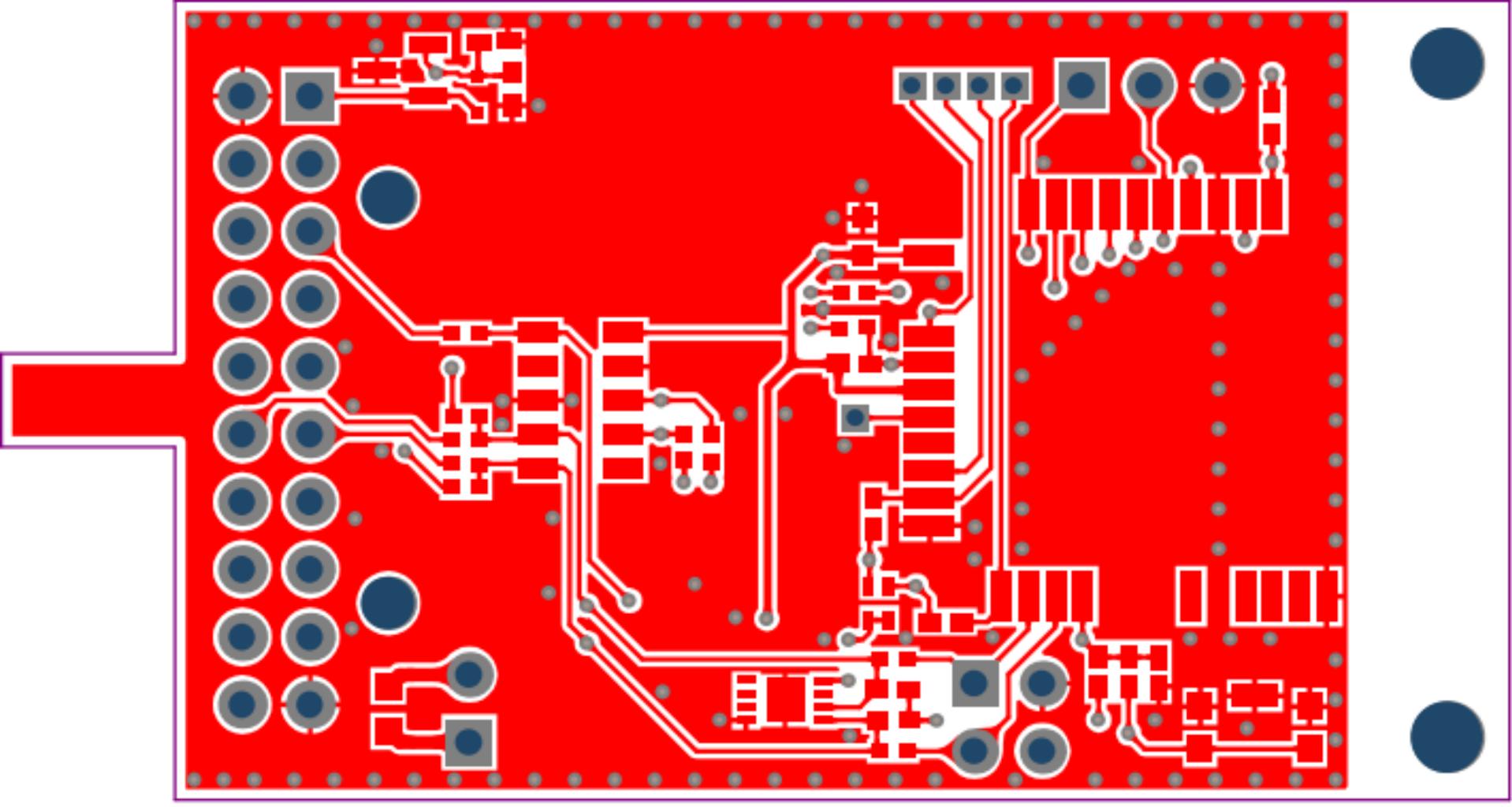
1P3V

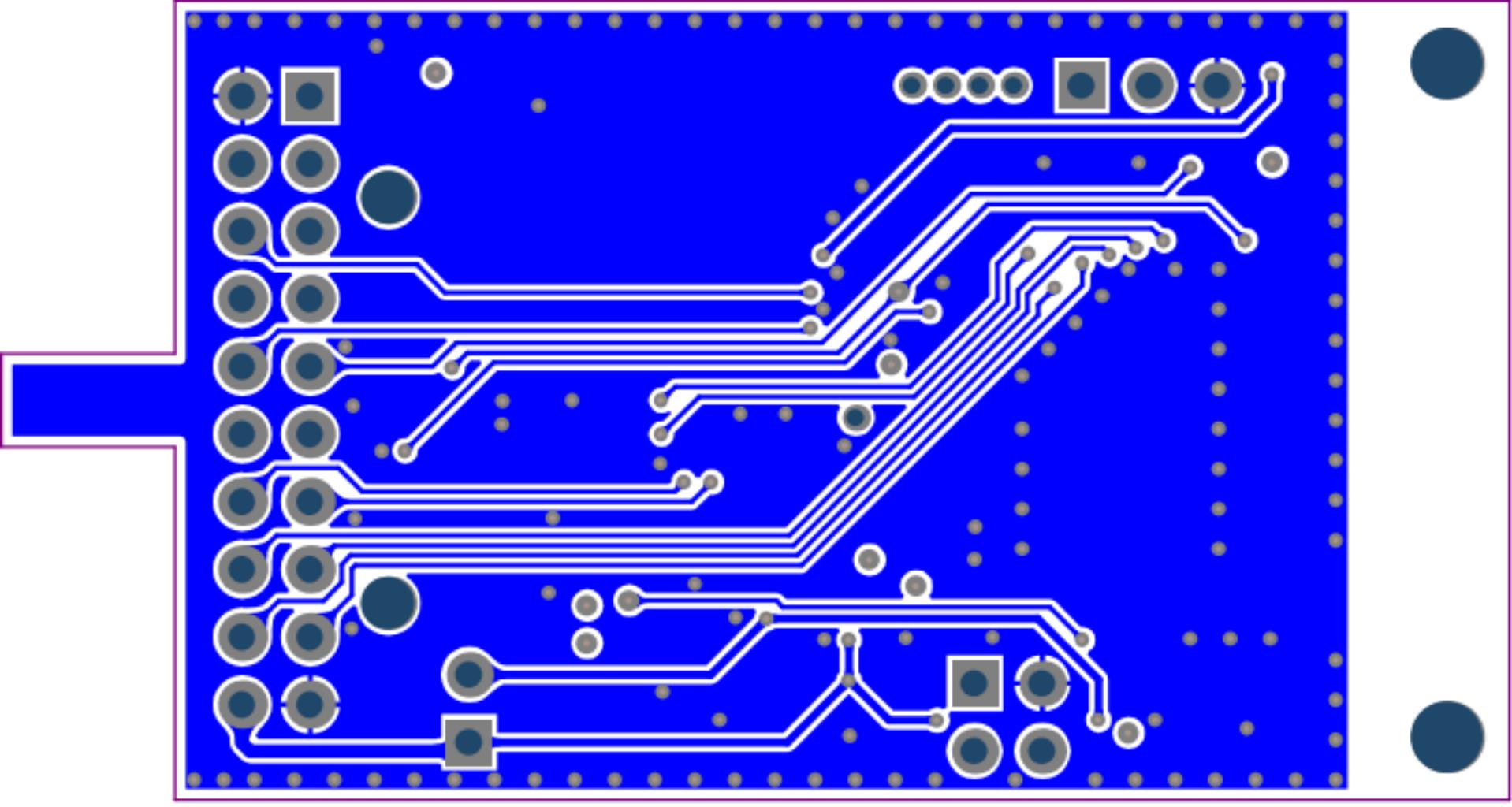
DEBUG I2C

GND SCL
SDA

Atmel Corp © 2014







Component list

WINC1500 Xplained Pro

Source Data From:

[WINC1500_Xplained_Pro.PrjPCB](#)

Project:

[WINC1500_Xplained_Pro.PrjPCB](#)

Variant:

[WINC1500_Xplained_Pro](#)

Report Date: 29.09.2014 10:24:40

Print Date: 29.09.2014 10:24:25



Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100	1	4.7uF	Murata	GRM155R60J475ME87D	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20% (de33687)
Fitted	C102	1	10uF/16V	Taiyo Yuden	EMK107BBJ106MA-T	Ceramic capacitor, SMD 0603, X5R, 16V, 10UF ± 20% (High Density)
Fitted	D100	1	BAT54XV2T1G	ON Semiconductor	BAT54XV2T1G	Schottky diode, If:200mA, Vf:0.35V, Vrrm:30V, SOD-523
Fitted	D101	1	HSMF-C165	Avago Technologies	HSMF-C165	LED, Bicolor, Red/Green, Diffused, 1.6x0.8mm
Fitted	DOC100	1	A09-2442 PCBA Files			WINC1500 Xplained PRO PCBA documentation
Fitted	E100	1	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
Fitted	Fixture100	1	Xplained PRO Extension board Jupiter Test Fixture	ESCATEC	Xplained PRO Extension board Jupiter Test Fixture	Xplained PRO Extension board Jupiter Test Fixture
Fitted	J100	1	TF201-2*10RGF-W2-NF	Pro-data International Corp	F201-2*10RGF-W2-NF	2x10, female pin header receivable, right-angled, 2.54mm pitch, THM, Pin In Paste
Fitted	J102	1	HMTSW-102-23-F-S-237	SAMTEC	HMTSW-102-23-F-S-237	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
Fitted	JS100	1	SNT-100-BK-G	SAMTEC	SNT-100-BK-G	Jumper cap for 2.54mm pinheader
Fitted	LABEL100	1	Label PCBA with MAC64, FCC ID and IC ID, Model No.	ACT Logimark AS	505462	Label for use on wireless PCBA that needs 64 bit MAC, FCC ID and IC ID, Model No.
Fitted	PCB100	1	WINC1500 Xplained Pro PCB			WINC1500 Xplained Pro PCB, 2 layer, size 56.5mm x 30mm
Fitted	R101	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R103	1	1R			Thick film resistor, SMD 0603, 1/10W, 1%
Fitted	R106	1	1M			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R110, R111	2	1k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R112, R113, R114, R115, R116	5	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Fitted	TEST100	1	WINC1500 Xplained Pro test			Fixture test for WINC1500 Xplained Pro
Fitted	TESTDOC100	1	WINC1500 Xplained Pro Test Instructions			WINC1500 Xplained Pro Test Instructions
Fitted	U100	1	ATSHA204 SWI SOT23-3	ATMEL	ATSHA204-TSU-T	ATSHA204 with 1-wire interface and SOT23-3 package
Fitted	U101	1	ATECC108			Secure authentication and product validation device, EEPROM, I2C, 2.0 - 5.5V, UDFN8
Fitted	U102	1	WINC1500-MR210PA			IEEE 802.11 b/g/n module, Memory, with FEM, PCB Antenna, with Shield, with MAC
Not Fitted	C101	0	10n			Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
Not Fitted	J101	0	CLP-105-02-G-D	SAMTEC	CLP-105-02-G-D	2x5 socket, 1.27mm pitch, SMT, low profile, top and bottom entry
Not Fitted	J103	0	HMTSW-103-23-F-S-237	SAMTEC	HMTSW-103-23-F-S-237	1x3 pin header, 2.54mm pitch, Pin-in-Paste THM, 1mm hole
Not Fitted	J104	0	CD0750142X2	Freber	CD0750142X2	2x2 pin header, 2.54 mm pitch, Pin-in-Paste THM
Not Fitted	R100, R109	0	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R102	0	39R			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R104, R105	0	4.7k			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R107, R108, R117, R118, R121, R122	0	0R		RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Not Fitted	SW100	0	KMR221G	ITT cannon	KMR221G	Microminiature Tact Switch for SMT
27						
Approved		Notes				