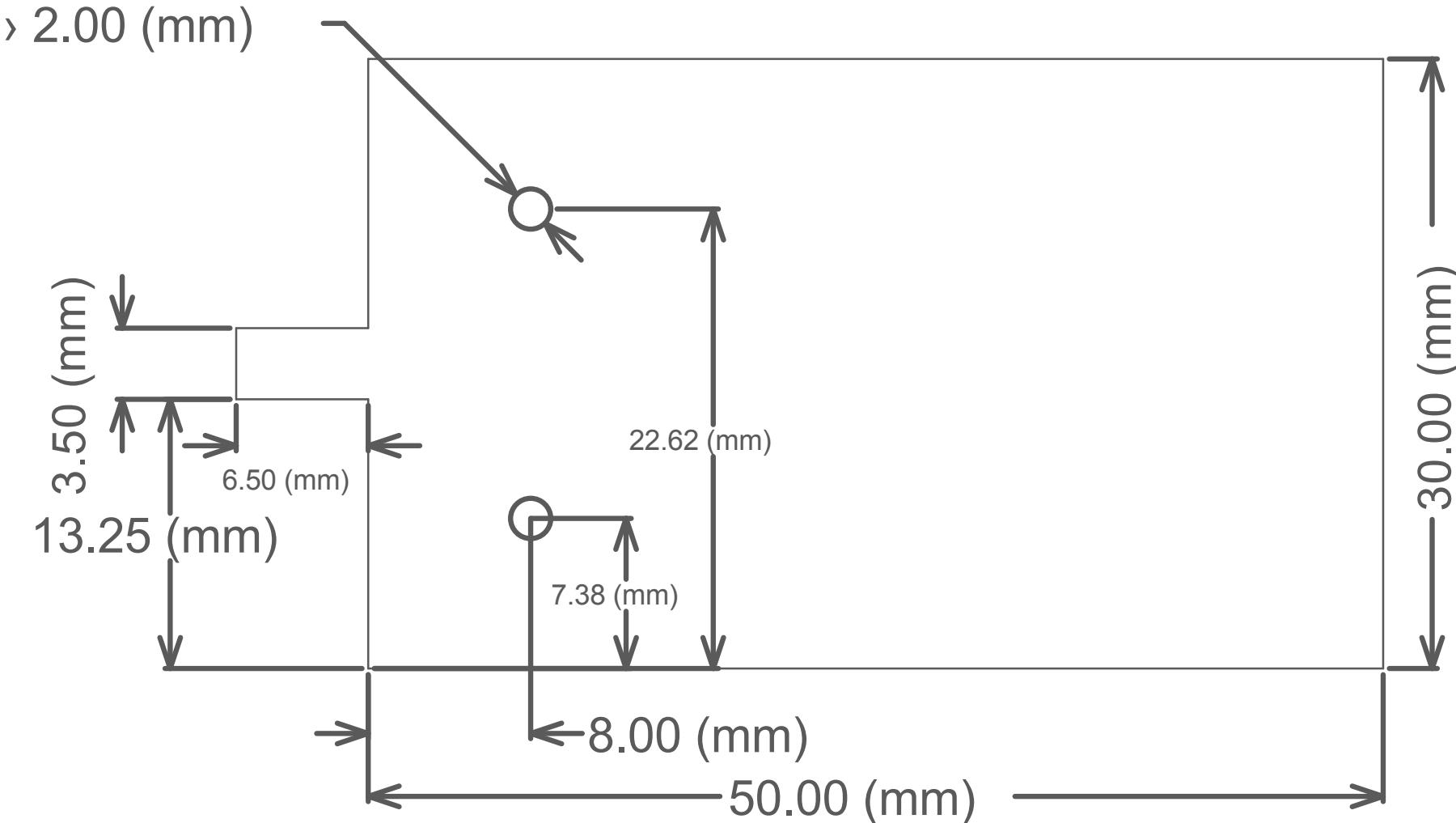
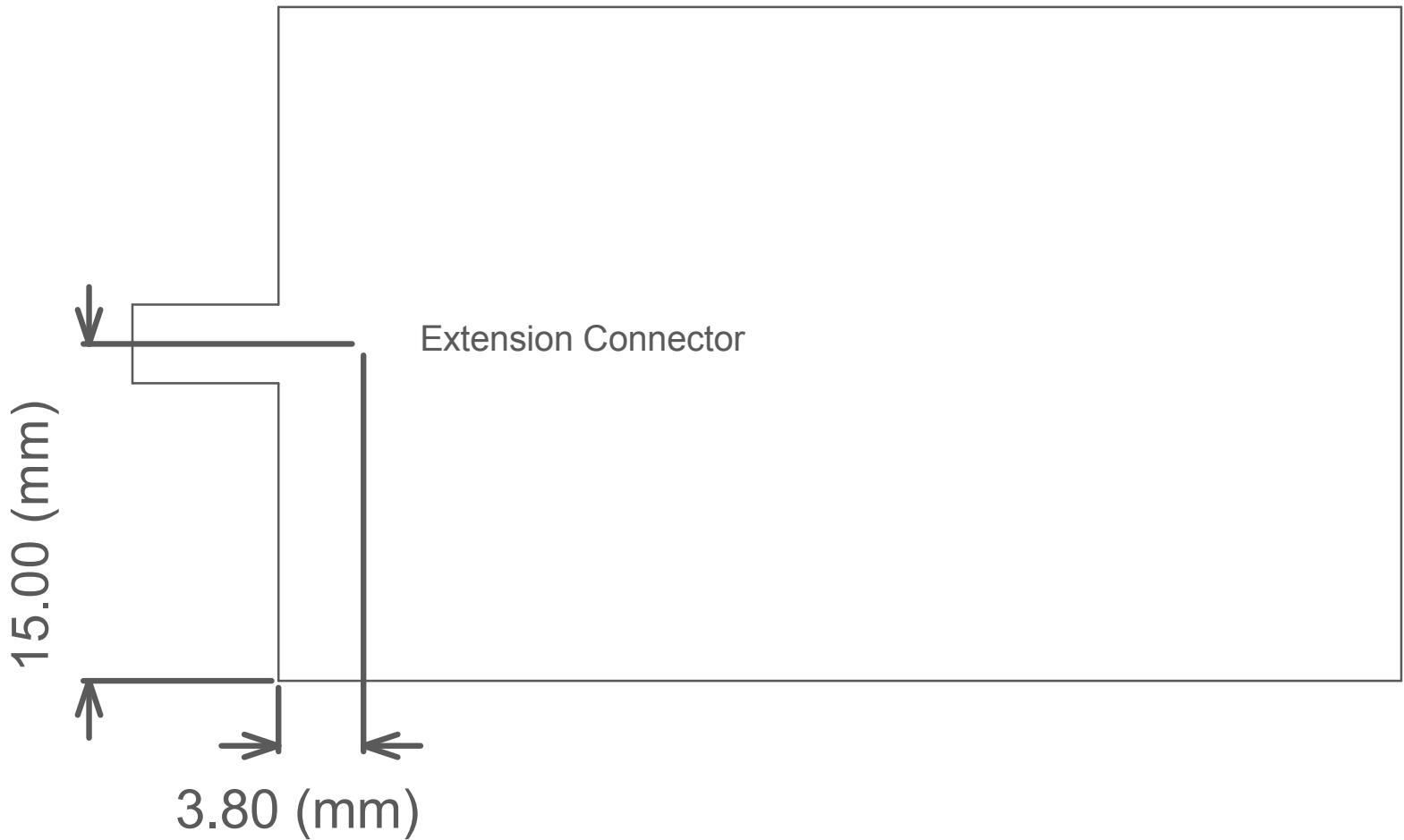
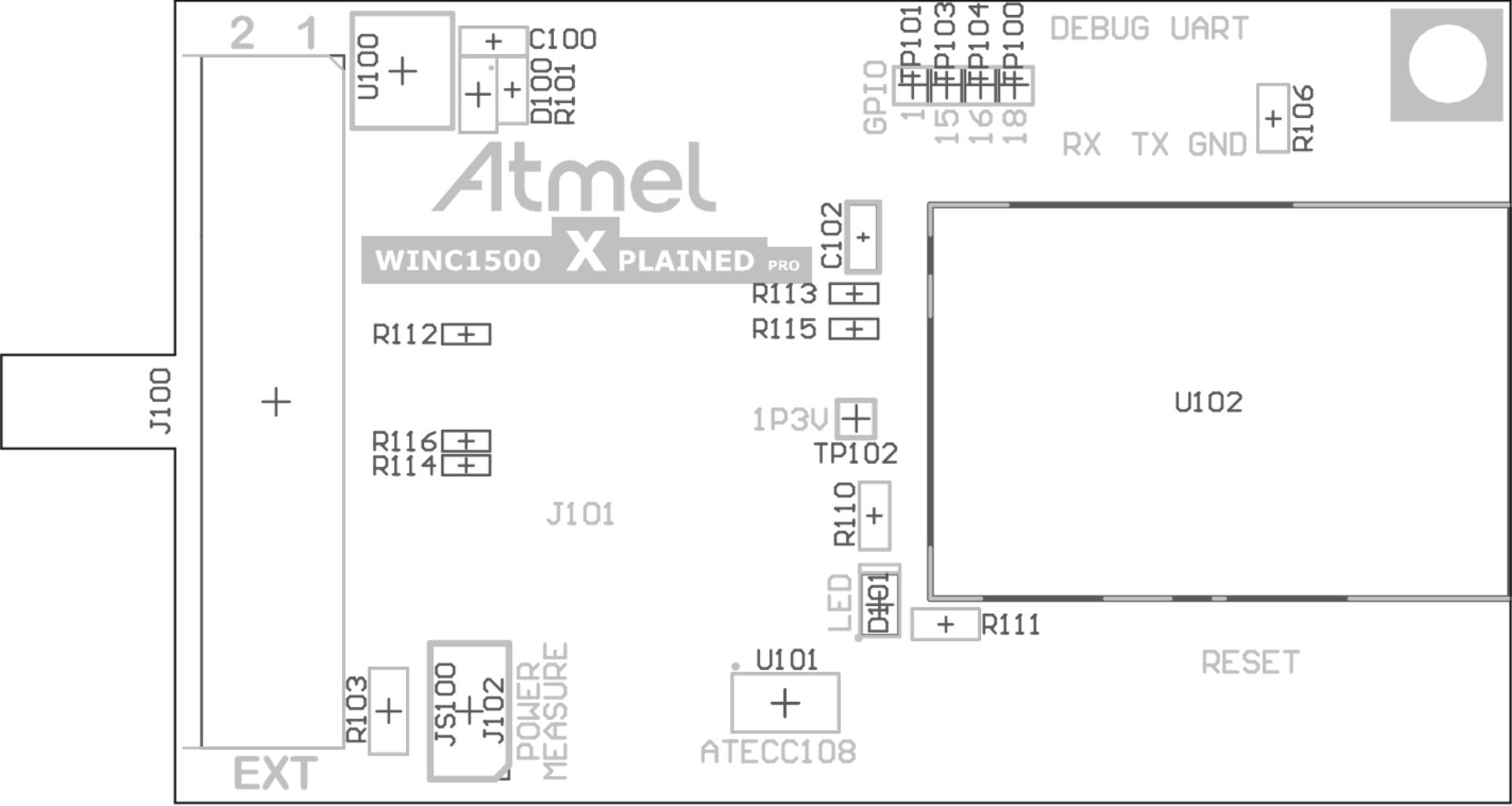


Mechanical Dimensions



Component Placement

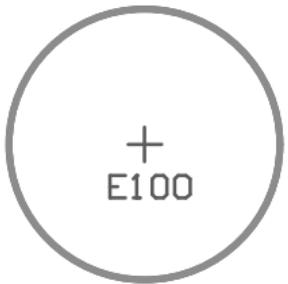




DEBUG UART

GND TX RX

GPIO_1
GPIO_15
GPIO_16
GPIO_18



1P3U

DEBUG I2C

GND

SCL

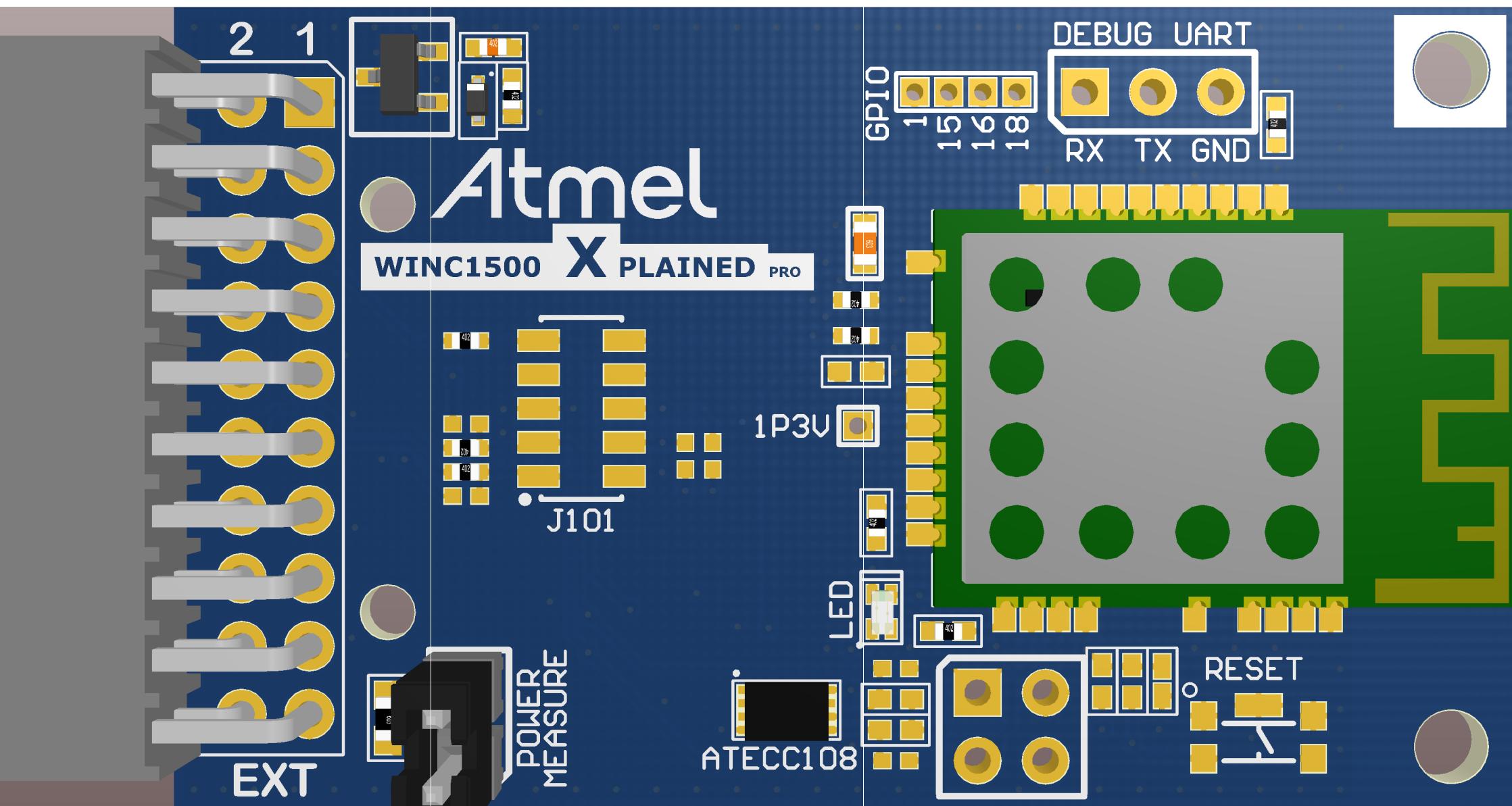
SDA

A08-22254 Rev 2

PCBA LABEL
LABEL100

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A08-2254 Rev 2

PCBA LABEL

DEBUG UART

GND TX RX

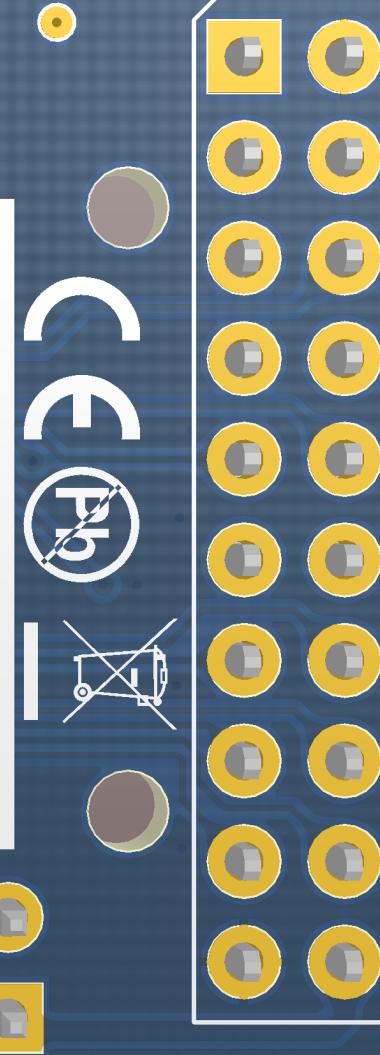
GPIO_1
GPIO_15
GPIO_16
GPIO_18

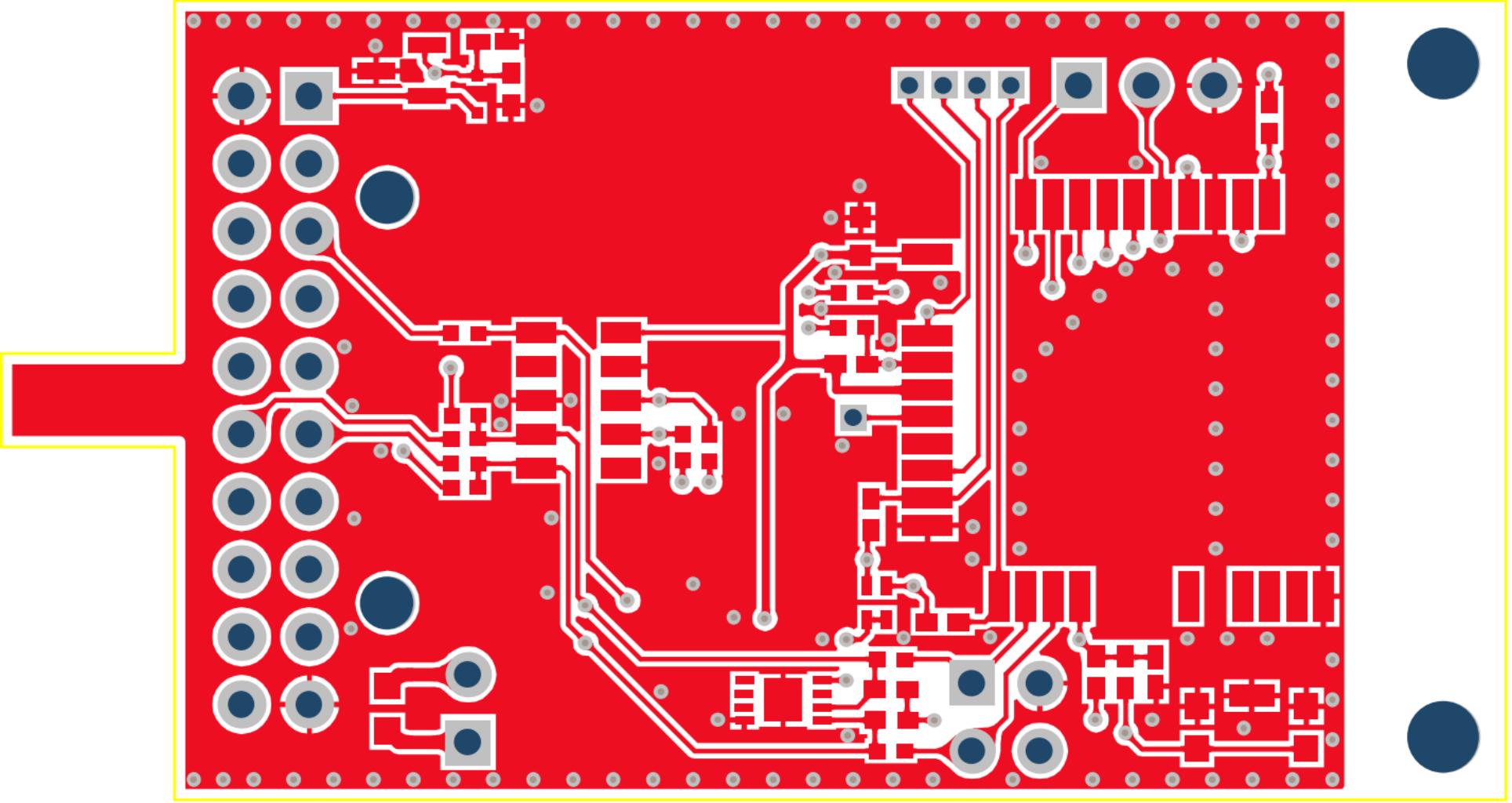
1P3V

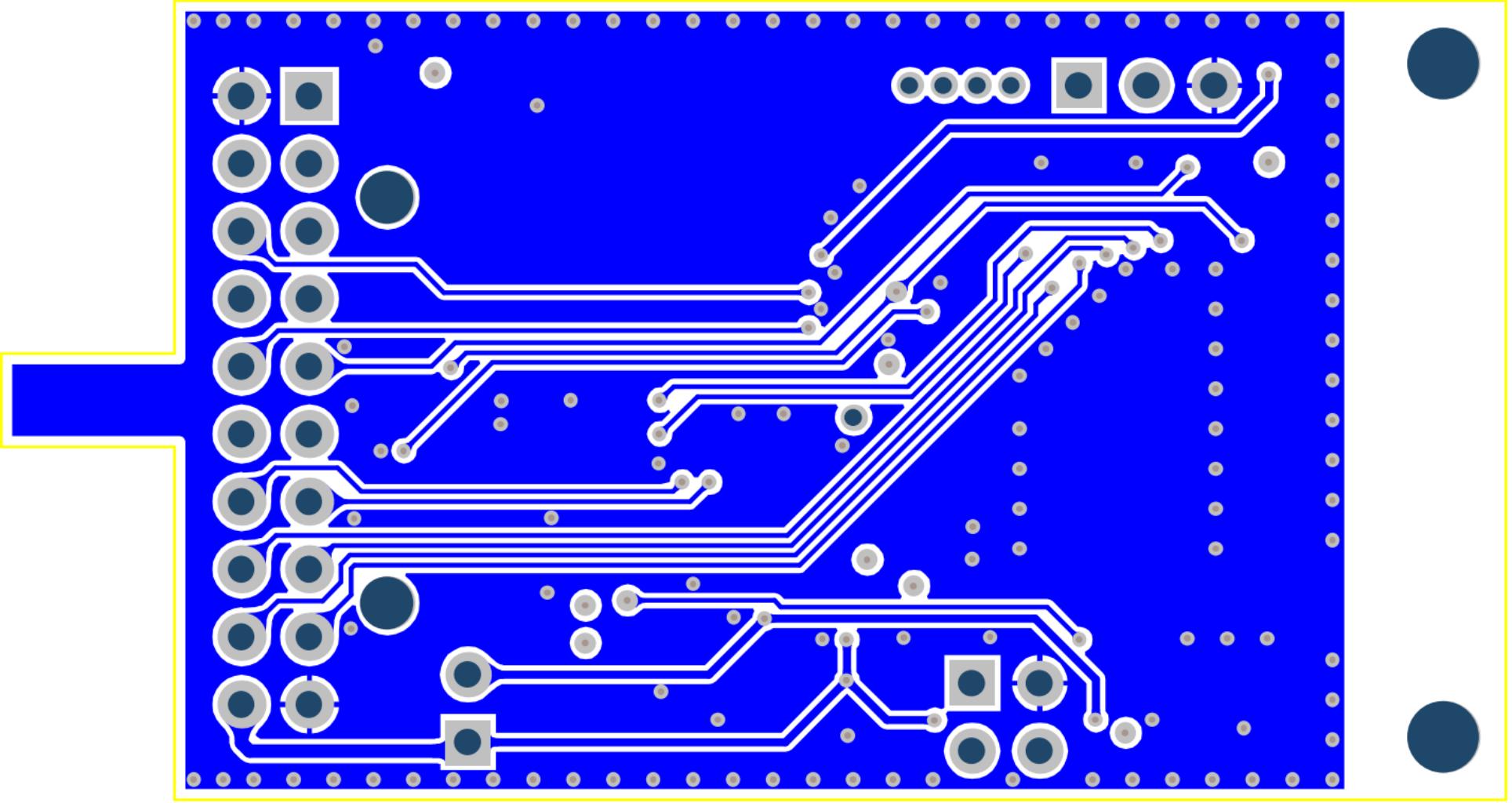
DEBUG I2C

GND SCL SDA

Atmel Corp © 2014







Component list

WINC1500 Xplained Pro

Source Data From:

WINC1500_Xplained_Pro.PsjPCB

Project:

WINC1500_Xplained_Pro.PsjPCB

Variant:

WINC1500_Xplained_Pro

Report Date: 11/17/2015 12:34:20 PM

Print Date: 11/17/2015 12:34:17 PM



#	Designator	Quantity	Value	Manufacturer	MPN	Description
1	C100	1	4.7uF	Murata	GRM155R60J475ME87D	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20% (de33687)
2	C102	1	10uF/16V	Taiyo Yuden	EMK107BBJ106MA-T	Ceramic capacitor, SMD 0603, X5R, 16V, 10uF +/- 20% (High Density)
3	D100	1	BAT54XV2T1G	ON Semiconductor	BAT54XV2T1G	Schottky diode, If:200mA, Vf:0.35V, Vrrm:30V, SOD-523
4	D101	1	HSMF-C165	Avago Technologies	HSMF-C165	LED, Bicolor, Red/Green, Diffused, 1.6x0.8mm
5	DOC100	1	A09-2442 PCBA Files			WINC1500 Xplained PRO PCBA documentation
6	E100	1	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
7	FIXTURE100	1	Xplained PRO Extension board Jupiter Test Fixture	ESCATEC	Xplained PRO Extension board Jupiter Test Fixture	Xplained PRO Extension board Jupiter Test Fixture
8	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
9	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
10	JS100	1	SNT-100-BK-G	SAMTEC	SNT-100-BK-G	Jumper cap for 2.54mm pinheader
11	LABEL100	1	PCBA Label	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
12	PCB100	1	WINC1500 Xplained Pro PCB			WINC1500 Xplained Pro PCB, 2 layer, size 56.5mm x 30mm
13	R101	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
14	R103	1	1R			Thick film resistor, SMD 0603, 1/10W, 1%
15	R106	1	1M			Thick film resistor, SMD 0402, 1/16W, 1%
16	R110, R111	2	1k			Thick film resistor, SMD 0402, 1/16W, 1%
17	R112, R113, R114, R115, R116	5	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
18	TEST100	1	WINC1500 Xplained Pro test			Fixture test for WINC1500 Xplained Pro
19	TESTDOC100	1	WINC1500 Xplained Pro Test Instructions			WINC1500 Xplained Pro Test Instructions
20	U100	1	ATSHA204 SWI SOT23-3	ATMEL	ATSHA204-TSU-T	ATSHA204 with 1-wire interface and SOT23-3 package
21	U101	1	ATECC108A-MAHDA-T	ATMEL	ATECC108A-MAHDA-T	Secure authentication and product validation device, EEPROM, I2C, 2.0 - 5.5V, UDFN8
22	U102	1	ATWINC1510-MR210PB	ATMEL	ATWINC1510-MR210PB	IEEE 802.11 b/g/n module, 8Mbit Flash Memory, with FEM, PCB Antenna, with Shield, with MAC
23	C101	0	10n			Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
24	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
25	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
26	J104	0	CD0750142X2	Freber	CD0750142X2	2x2 pin header, 2.54 mm pitch, Pin-in-Paste THM
27	R100, R109	0	100k			Thick film resistor, SMD 0402, 1/16W, 1%
28	R102	0	39R			Thick film resistor, SMD 0402, 1/16W, 1%
29	R104, R105	0	4.7k			Thick film resistor, SMD 0402, 1/16W, 1%
30	R107, R108, R117, R118, R121, R122	0	0R		RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
31	SW100	0	KMR221G	ITT cannon	KMR221G	Microminiature Tact Switch for SMT

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Notes

Approved	
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