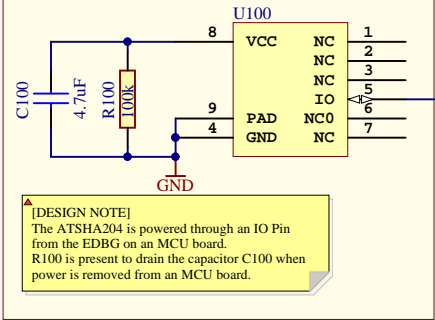
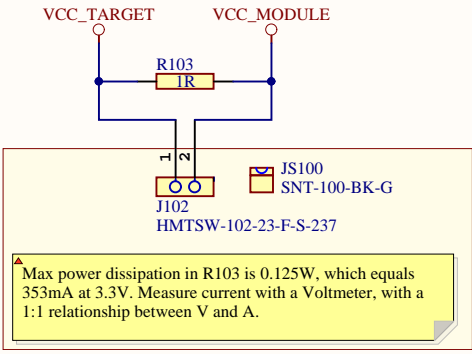


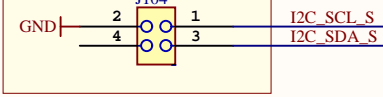
Extension Identification



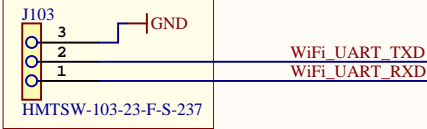
Power Measurement



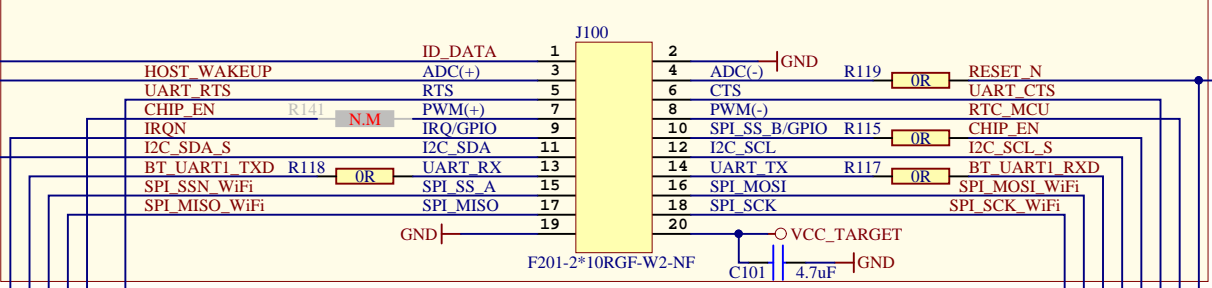
DEBUG I2C



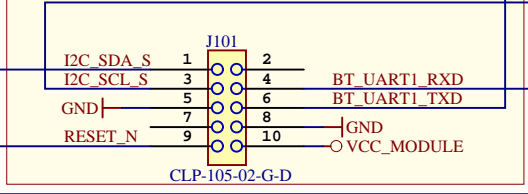
DEBUG UART



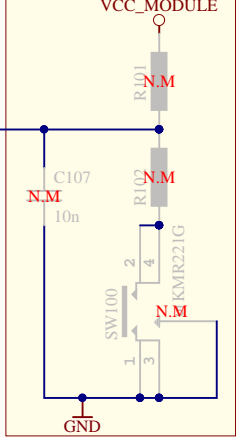
Xplained Pro standard extension header



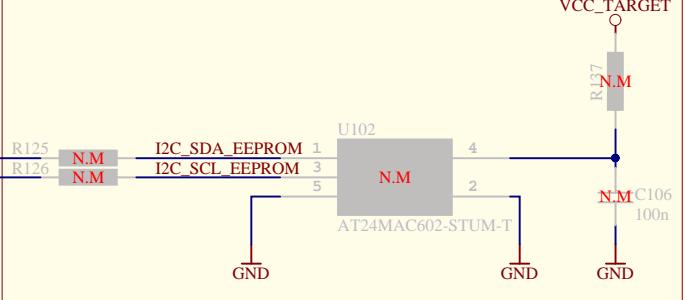
Extension Port



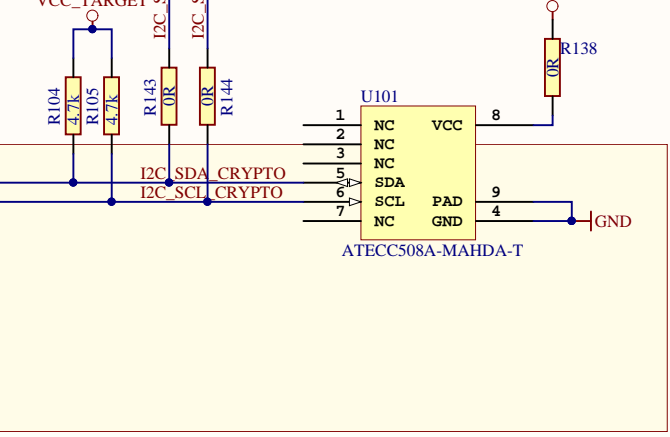
RESET



Serial (TWI) EEPROM



Crypto Device



PCB100

A08-2472
WINC3400 Xplained Pro PCB

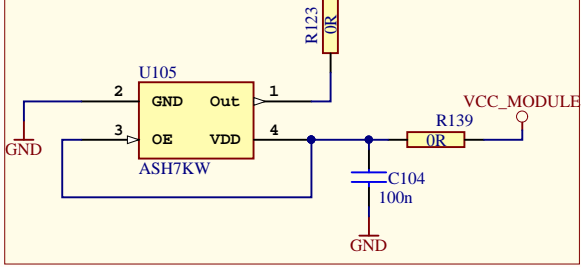
PCBADOC100

A12-1087
TEST100
\$ >_

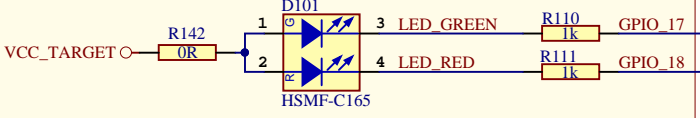
TESTDOC100

A12-1086

RTC Oscillator



Status LEDs



LABEL1

Product number/revision
Serial number

PCBA Label

E1

E2

SJ-5076

SJ-5076

Drawn By:

Engineer:

MICROCHIP

Project Title
WINC3400 Xplained Pro PCB

Sheet Title
WINC3400 Xplained Pro PCB

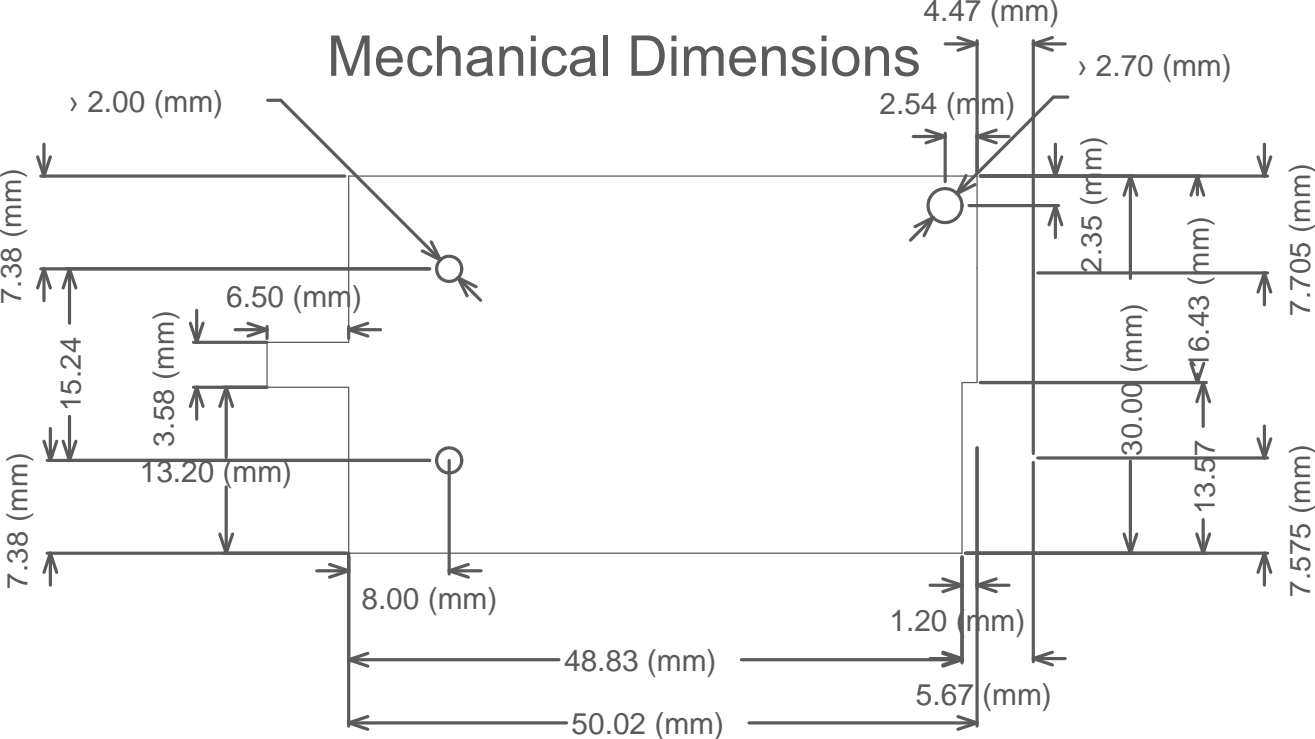
Size A3	PCB Assembly Number: A09-2623	PCBA Revision: 6
PCB Number: A08-2472	PCB Revision: 3	

File: WINC3400_Xplained_Pro.SchDoc

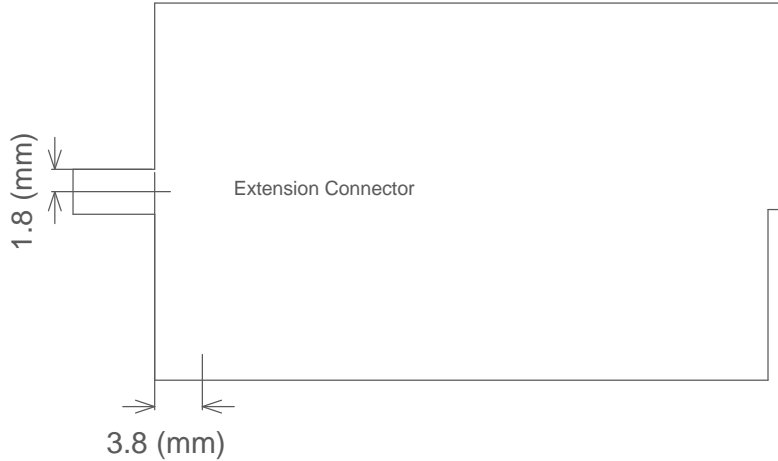
Designed with
Altium
Altium.com

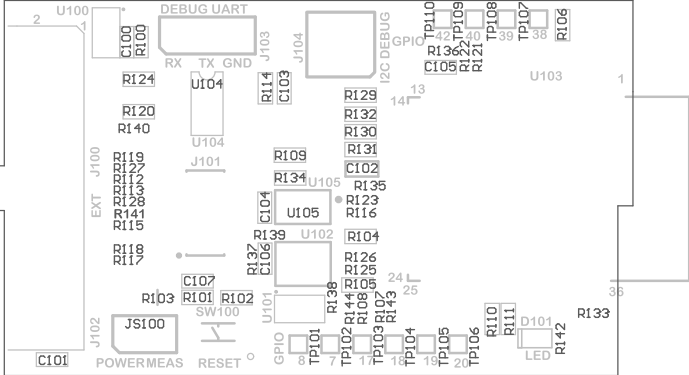
Date: 11/13/2017
Page: 1 of 1

Mechanical Dimensions



Component Placement







MICROCHIP

WINC3400 X PLAINED PRO

Microchip © 2017

LABEL1

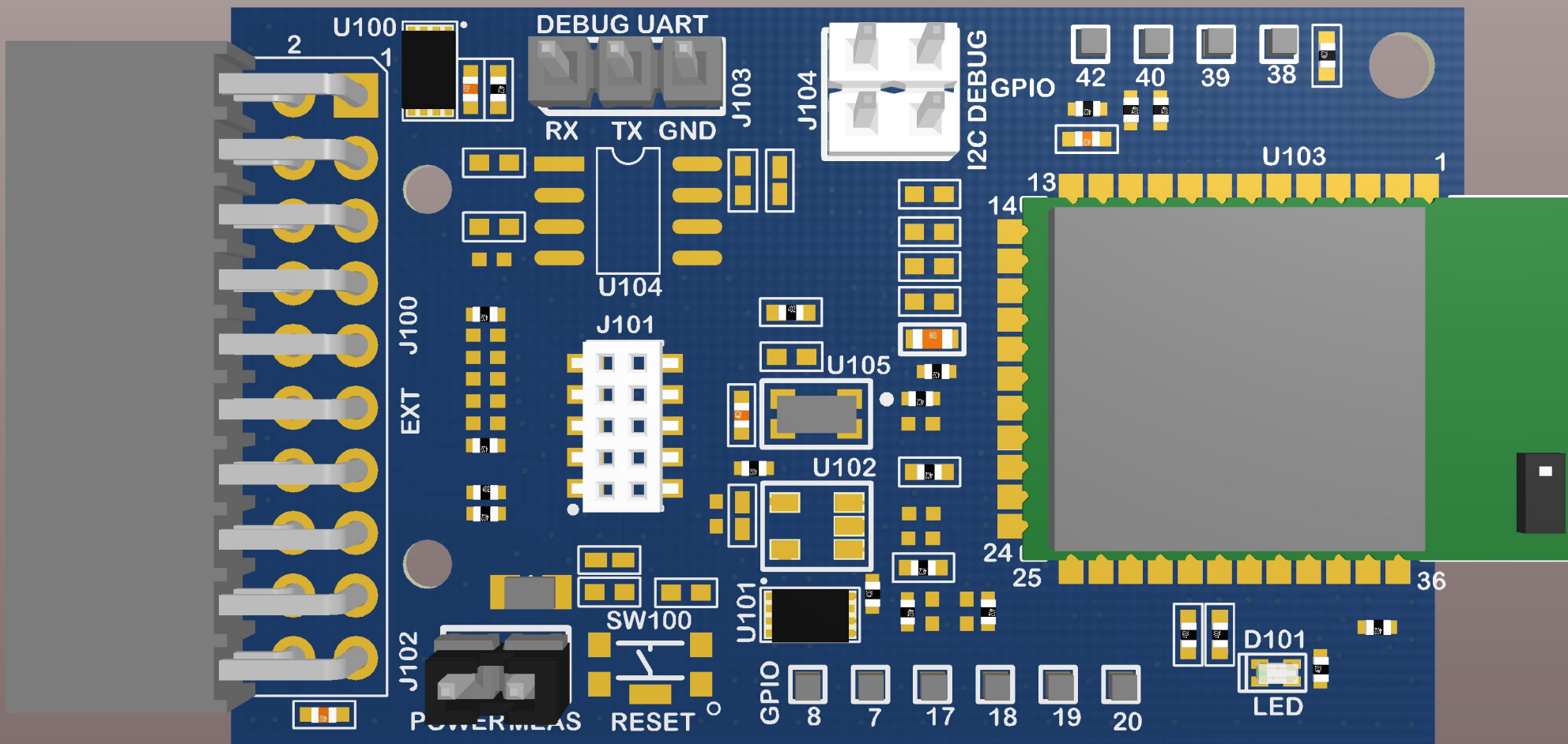
PCBA LABEL

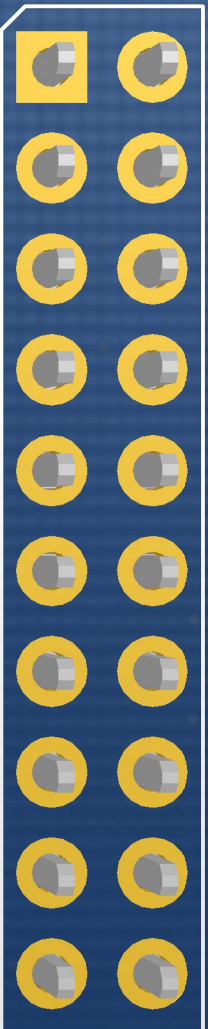
A08-2472 Rev 3

E1

E2







MICROCHIP

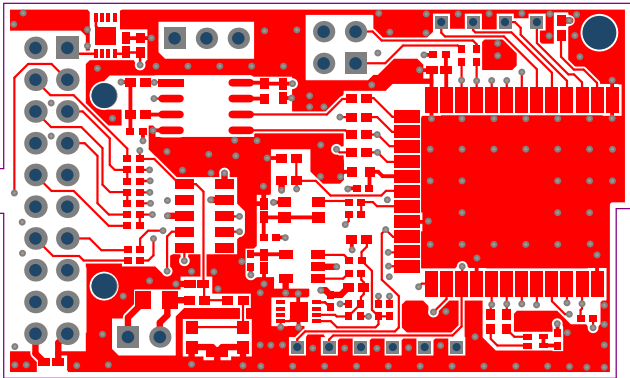
WINC3400 **X** PLAINED PRO

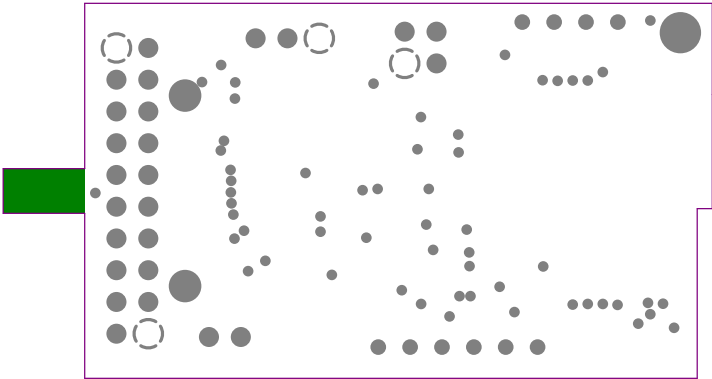
Microchip © 2017

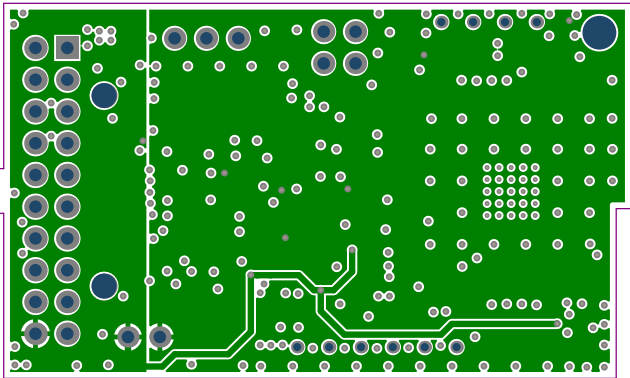
PCBA LABEL

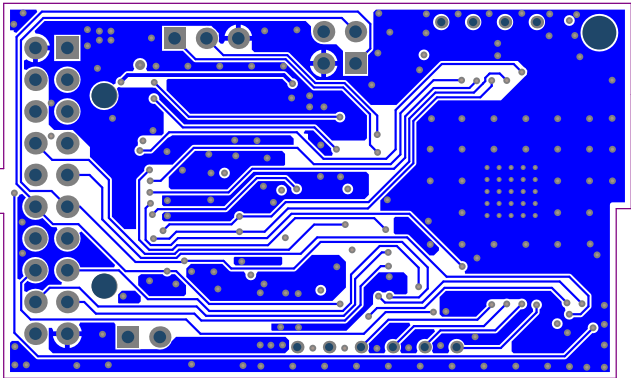
A08-2472 Rev 3











Component list

Bill of Materials Fitted For Variant [Default_assembly] of Project [WINC3400_Xplained_Pro.PrjPCB] (No PCB Document Selected)

Source Data From: WINC3400_Xplained_Pro.PrjPCB
Project: WINC3400_Xplained_Pro.PrjPCB
Variant: Default_assembly



Report Date: 11/13/2017 3:24:10 PM
Print Date: 11/13/2017 3:22:33 PM

Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100, C101	2	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	C104, C105	2	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Fitted	D101	1	HSMF-C165	Avago Technologies	HSMF-C165	LED, Bicolor, Red/Green, Diffused, 1.6x0.8mm
Fitted	E1, E2	2	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
Fitted	J100	1	F201-2*10RGF-W2-NF	Pro-data International Corp	F201-2*10RGF-W2-NF	2x10, female pin header receptable, right-angled, 2.54mm pitch, THM, Pin In Paste
Fitted	J101	1	CLP-105-02-G-D	SAMTEC	CLP-105-02-G-D	2x5 socket, 1.27mm pitch, SMT, low porfile, top and bottom entry
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	J103	1	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
Fitted	J104	1	CD0750142X2	Freber	CD0750142X2	2x2 pin header, 2.54 mm pitch, Pin-in-Paste THM
Fitted	JS100	1	SNT-100-BK-G	SAMTEC	SNT-100-BK-G	Jumper cap for 2.54mm pinheader
Fitted	LABEL1	1	PCBA Label	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
Fitted	PCB100	1	WINC3400 Xplained Pro PCB			WINC3400 Xplained Pro PCB, 2 layer, size 56.5mm x 30mm
Fitted	PCBADOC100	1	A09-2617 PCBA Files			WINC3400 Xplained PRO PCBA documentation
Fitted	R100	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R103	1	1R	Stackpole Electronics Inc	RMCF0805JT1R00	Thick film resistor, SMD 0805 (2012 Metric), 0.125W, 1/8W ,±5%
Fitted	R104, R105	2	4.7k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R106	1	1M			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R109	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R110, R111	2	1k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R115, R117, R118, R119, R121, R122, R123, R133, R135, R136, R138, R139, R142, R143, R144	15	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Fitted	TEST100	1	WINC3400 Xplained Pro test			Fixture test for WINC3400 Xplained Pro
Fitted	TESTDOC100	1	WINC3400 Xplained Pro Test Instructions			WINC3400 Xplained Pro Test Instructions
Fitted	U100	1	ATSHA204A SWIUDFN8	ATMEL	ATSHA204A-MAHCZ-T	ATSHA204 with 1-wire interface and UDFN8 package
Fitted	U101	1	ATECC508A I2C UDFN	ATMEL	ATECC508A-MAHDA-T	ATECC508A with an I2C Interface and a 8 Pin UDFN Package with Paddle
Fitted	U103	1	WINC3400-MR210	ATMEL	WINC3400-MR210	IEEE 802.11 b/g/n Link Controller with Integrated Low Energy Bluetooth 4.0
Fitted	U105	1	ASH7KW	ABRACON	ASH7KW-32.768kHz-L-T	32.768kHz LOW POWER SMD CRYSTAL OSCILLATOR
Not Fitted	C103, C106	0	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Not Fitted	C107	0	10n			Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
Not Fitted	R101, R114, R120, R124	0	1M			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R102	0	39R			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R107, R108, R112, R113, R116, R125, R126, R127, R128, R137, R140, R141	0	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Not Fitted	R129, R130, R131, R132	0	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Not Fitted	R134	0	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	SW100	0	KMR221G	ITT cannon	KMR221G	Microminiature Tact Switch for SMT
Not Fitted	U102	0	AT24MAC602-STUM-T	ATMEL	AT24MAC602-STUM-T	2kbit Serial (TWI) EEPROM, AT24C02B, 1.8-5V
Not Fitted	U104	0	AT25DF081A-SSH-T	Adesto Technologies	AT25DF081A-SSH-T	8Mbit SPI serial flash memory

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Approved	Notes	