
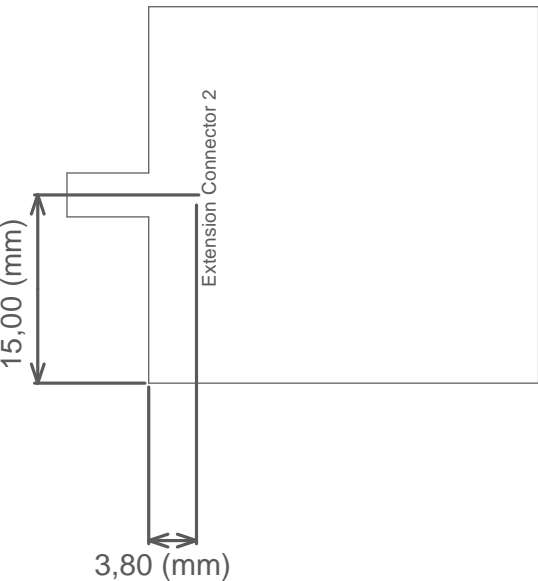
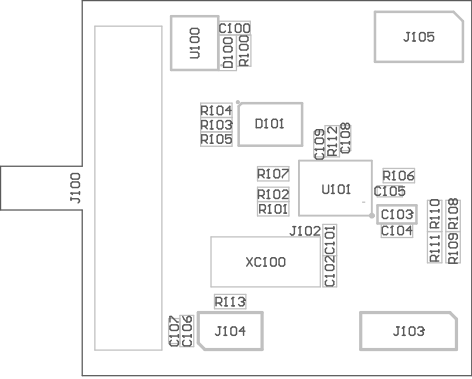


ATMEL Norway	*		 Enabling Unlimited Possibilities	
Vestre Rosten 79	*			
N-7075 TILLER	*			
NORWAY				
Date:	04.04.2017	10:01:10	PAGE:	1 of 1
Document number:	A09-2490		Revision:	2
TITLE: Bosch BNO055 extension				
BNO055_Xplained_pro.SchDoc				

Connector Placement



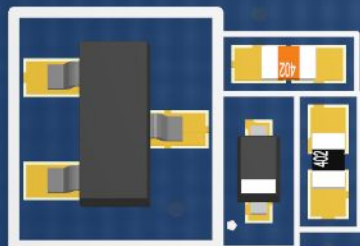
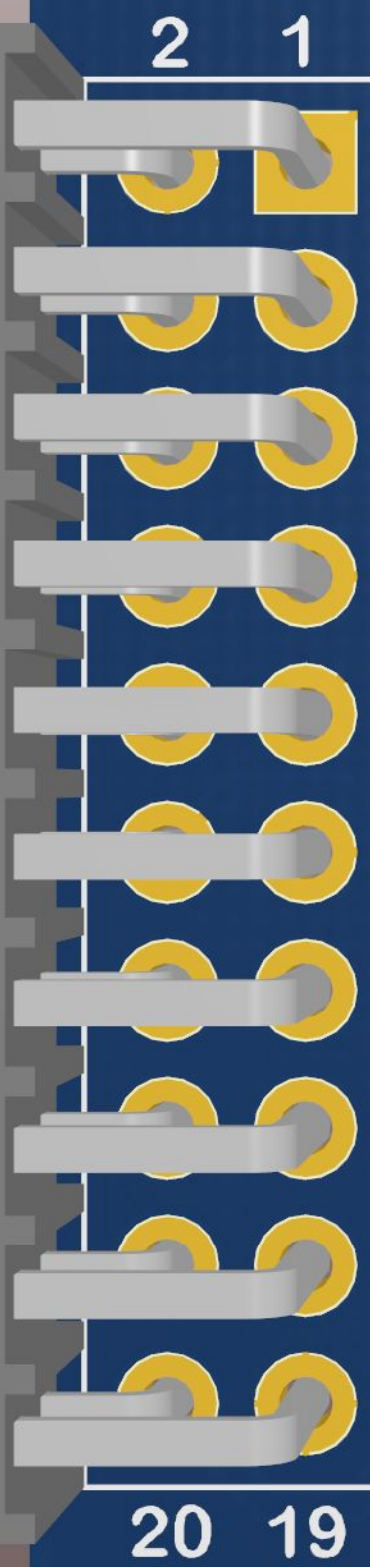




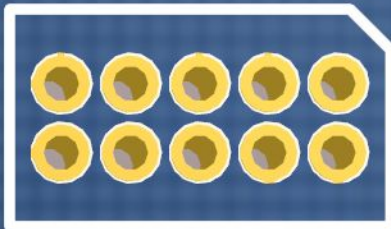
A diagram showing a large rectangular container. Inside the container, on the left, is a circle labeled 'E1'. To the right of the circle is a vertical rectangle labeled 'LABEL1'. On the right side of the container, there is a rectangular protrusion or extension.

E1

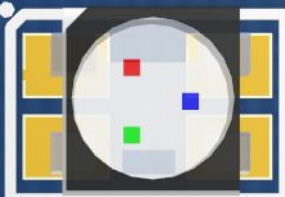
LABEL1



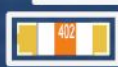
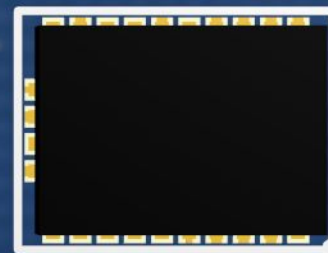
Atmel



BNO055 X PLAINED PRO



BNO055



32.768kHz



CUR_MEAS

PS1

PS0

3V3



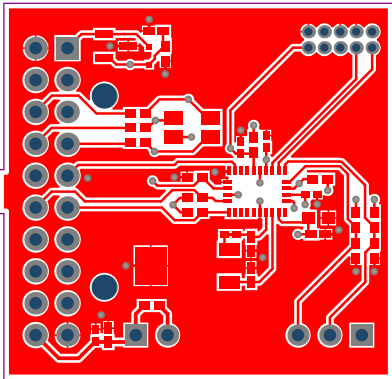
20 19

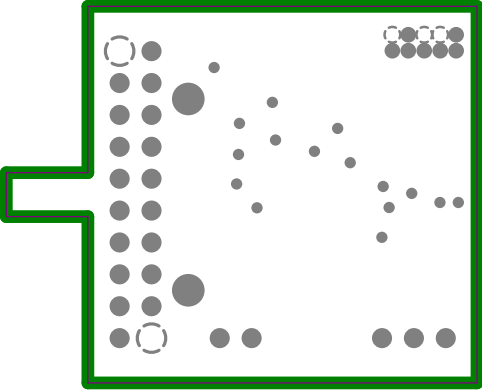
Atmel Corp © 2015

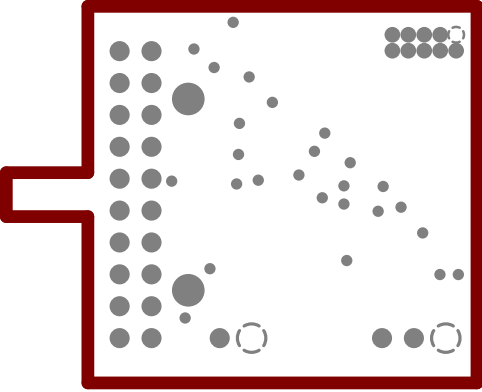
PCBA LABEL

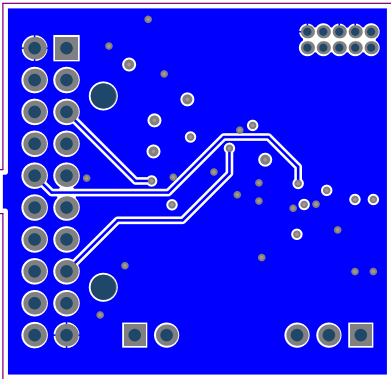
A08-2314 Rev 1











Component list

Bosch BNO055 extension

Source Data From:

BNO055_Xplained_pro.PrjPCB

Project:

BNO055_Xplained_pro.PrjPCB

Variant:

Default_assembly



Report Date: 04.04.2017 10:01:22

Print Date: 04.04.2017 09:59:54

Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100, C106	2	4.7uF	Murata	GRM155R60J475ME87D	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20% (de33687)
Fitted	C101, C102	2	6.8p			Ceramic capacitor, SMD 0402, NPO, 50V, +/-5%
Fitted	C103	1	120n	AVX	0603ZC124KAT2A	Ceramic capacitor, SMD 0603, X7R, 10V, A±10%
Fitted	C104	1	6.8n			Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
Fitted	C105, C107, C108, C109	4	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
Fitted	D100	1	BAT54XV2T1G	ON Semiconductor	BAT54XV2T1G	Schottky diode, If:200mA, Vf:0.35V, Vrrm:30V, SOD-523
Fitted	D101	1	CLV1A-FKB-CJ1M1F1BB7R4S3	CREE	CLV1A-FKB-CJ1M1F1BB7R4S3	LED, RGB, diffuse lens, SMD PLCC-4
Fitted	DOC1	1	ATBNO055-XPRO PCBA DOC			ATBNO055-XPRO PCBA documentation
Fitted	E1	1	SJ-5076	3M	SJ-5076	2.8mm adhesive feet, diam 8.0mm
Fitted	FIXTURE1	1	Xplained PRO Extension board Jupiter Test Fixture	ESCA TEC	Xplained PRO Extension board Jupiter Test Fixture	Xplained PRO Extension board Jupiter Test Fixture
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	LABEL1	1	PCBA Label	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
Fitted	PCB1	1	ATBNO055-XPRO PCB			ATBNO055-XPRO PCB documentation
Fitted	R100	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R103, R105	2	1.5k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R104	1	2.2k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R106, R109, R111, R112	4	10k	vishay	CRCW040210K0FKED	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R113	1	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Fitted	TEST1	1	Test SW for for A09-2378			
Fitted	TESTDOC1	1	BNO055-XPRO test instruction			BNO055-XPRO, A09-2490, test instruction,
Fitted	U100	1	ATSHA204 SWI SOT23-3	ATMEL	ATSHA204A-STUCZ-T	ATSHA204 with 1-wire interface and SOT23-3 package
Fitted	U101	1	BNO055	Bosch Sensortech GmbH	BNO055	Intelligent 9-Axis Absolute orientation sensor
Fitted	XC100	1	32.768kHz +/-20PPM 7pF SMD	Micro Crystal	MS1V-T1K 32.768kHz 7pF +/-20PPM TA	32k768 crystal, +/-20ppm, CL=7pF, max ESR 60kOhm, SMD
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	HMTSW-102-23-F-S-237	SAMTEC	HMTSW-102-23-F-S-237	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
Not Fitted	J105	0	PIN HEADER 2x5	Garry	176-2-010-0-T-XS0-0730	2x5 pin header, 1.27mm pitch, THM
Not Fitted	R101, R102	0	10k	vishay	CRCW040210K0FKED	Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R107	0	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Not Fitted	R108, R110	0	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD

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Approved

Notes