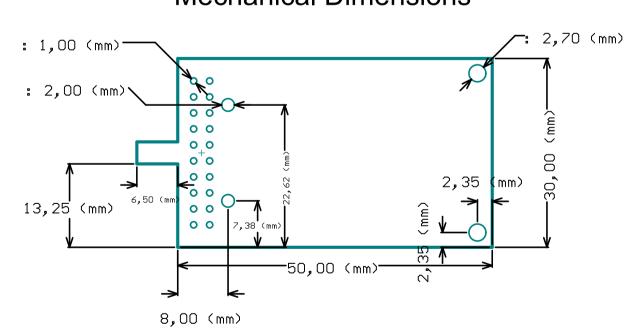
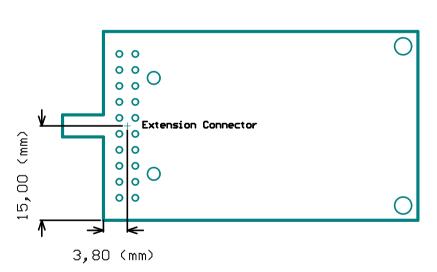


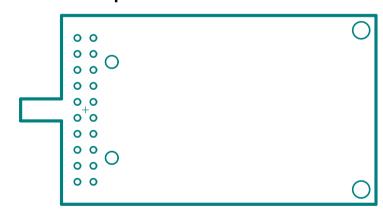
## Mechanical Dimensions



## Connector Placement



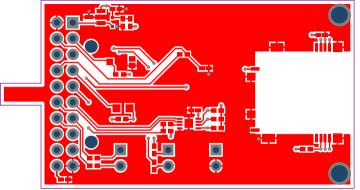
## Testpoint Placement

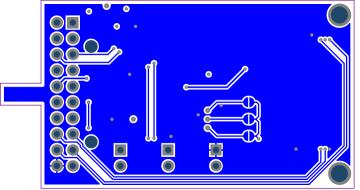


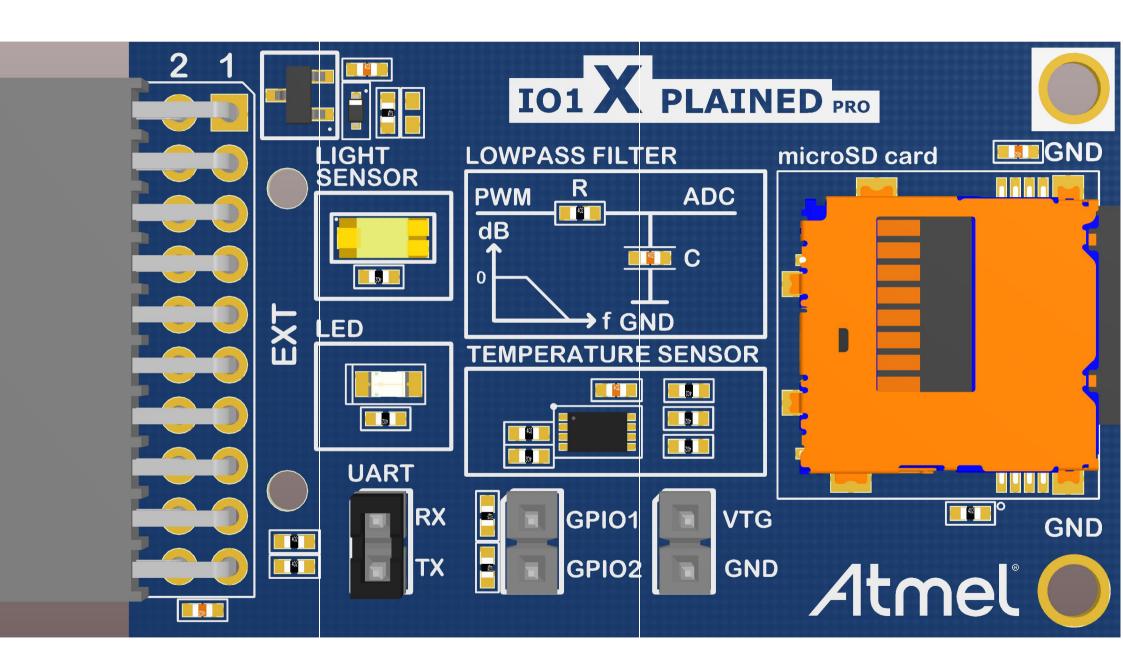
IO1\_Xplained\_Pro.PcbDoc

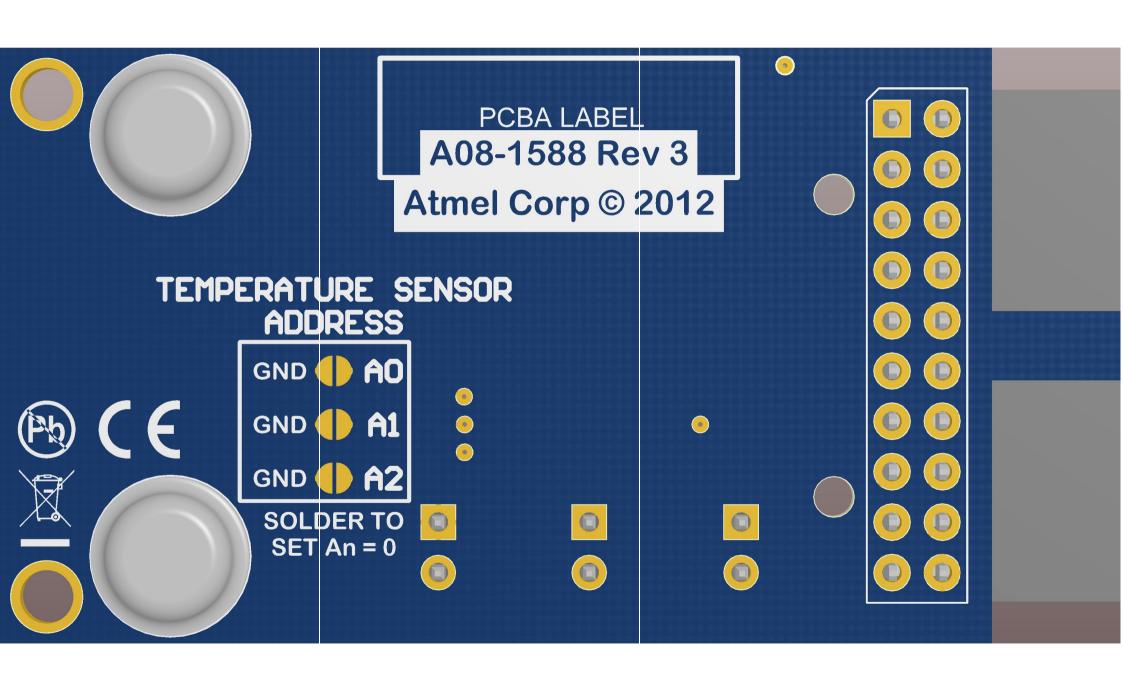
Atmel
ATMEL NORWAY  Vestre Rosten 79
N-7075 Tiller

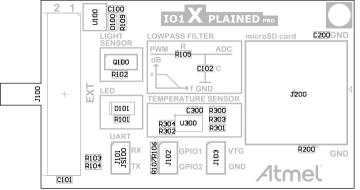
	ENGINEER:	TINE:		,
3	PCB DESIGNER:			]
-	DATE:	PART NO.:	REV:	
	28.09.2015			
	FILE NAME:	DWG NO:	SCALE:	

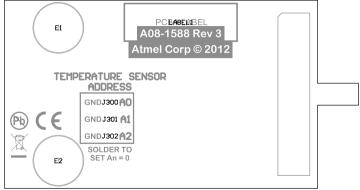












## **Component list**

**IO1 Xplained PRO** 

Source Data From:

IO1\_Xplained\_Pro.PrjPCB

Project:

IO1\_Xplained\_Pro.PrjPCB

Variant:

Default\_assembly

Report Date: Print Date:

13:03:27 28.09.2015 28.09.2015

13:00:28



Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C100, C101	2	4.7uF	tdk	C1005X5R0J475K	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-10%
Fitted	C102, C200, C300	3	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	EL17-21UYC/A2	Everlight	17-21UYC/S530-A3/TR8	LED, Yellow , Wave length=591nm, SMD 0805, ±70°
Fitted	DOC1	1	A09-1775 PCBA Files	ATMEL		IO1 Xplained PRO PCBA documentation
Fitted	E1, E2	2	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
Fitted	FIXTURE1	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 receptable, right-angled, 2.54mm pitch, THM, Pin In Paste
Fitted	J101, J102, J103	3	HMTSW-102-23-F-S-237	SAMTEC	HMTSW-102-23-F-S-237	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
Fitted	J200	1	SCHA5B0200	ALPS	SCHA5B0200	microSD memory card connector, push/push
Fitted	JS100	1	SNT-100-BK-G	SAMTEC	SNT-100-BK-G	Jumper cap for 2.54mm pinheader
Fitted	LABEL1	1	Label PCBA	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
Fitted	PCB1	1	A08-1588	ATMEL		VO1 Xplained PRO PCB, 2 layer, size 56.5mm x 30mm
Fitted	Q100	1	TEMT6000	vishay	TEMT6000	light sensor
Fitted	R101, R105	2	680R			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R102, R109, R200, R300, R301, R302, R303	7	100k			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R103, R104, R106, R107, R304	5	39R			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	SD200	1	2GB microSD card		2GB microSD card	microSD card without adapters and case
Fitted	TEST1	1	IO1 Xplained PRO test	ATMEL		Fixture test for IO1 Xplained PRO
Fitted	U100	1	ATSHA204 SWI SOT23-3	ATMEL	ATSHA204-TSU-T	ATSHA204 with 1-wire interface and SOT23-3 package
Fitted	U300	1	AT30TSE758	ATMEL	AT30TSE758-MA8-T	SINGLE DIGITAL TEMPERATURE SENSOR W/ SERIAL EEPROM, UDFN8
Not	R100	0	0R			Thick film resistor, SMD 0402, 1/16W, 1%
Fitted						
	38					

Approved

Notes