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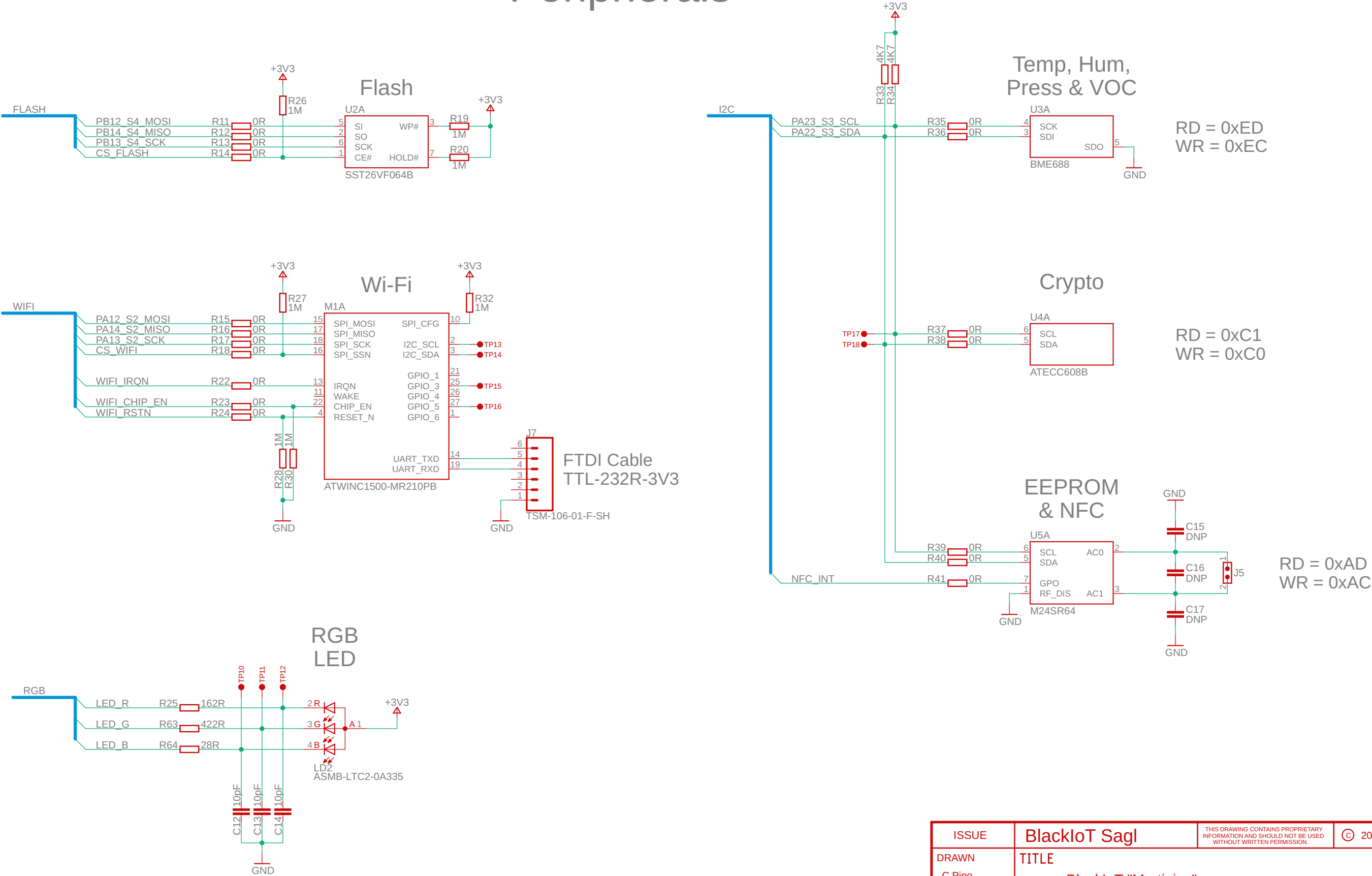
BlackIoT "Martinica"

21 Nov 2022 Rev A.0

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DRAWN C.Pino	TITLE BlackIoT "Martinica"				REV A.0
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DATE 21 Nov 2022	FILE: 220321_Martinica_A0			PAGE: 1/6	

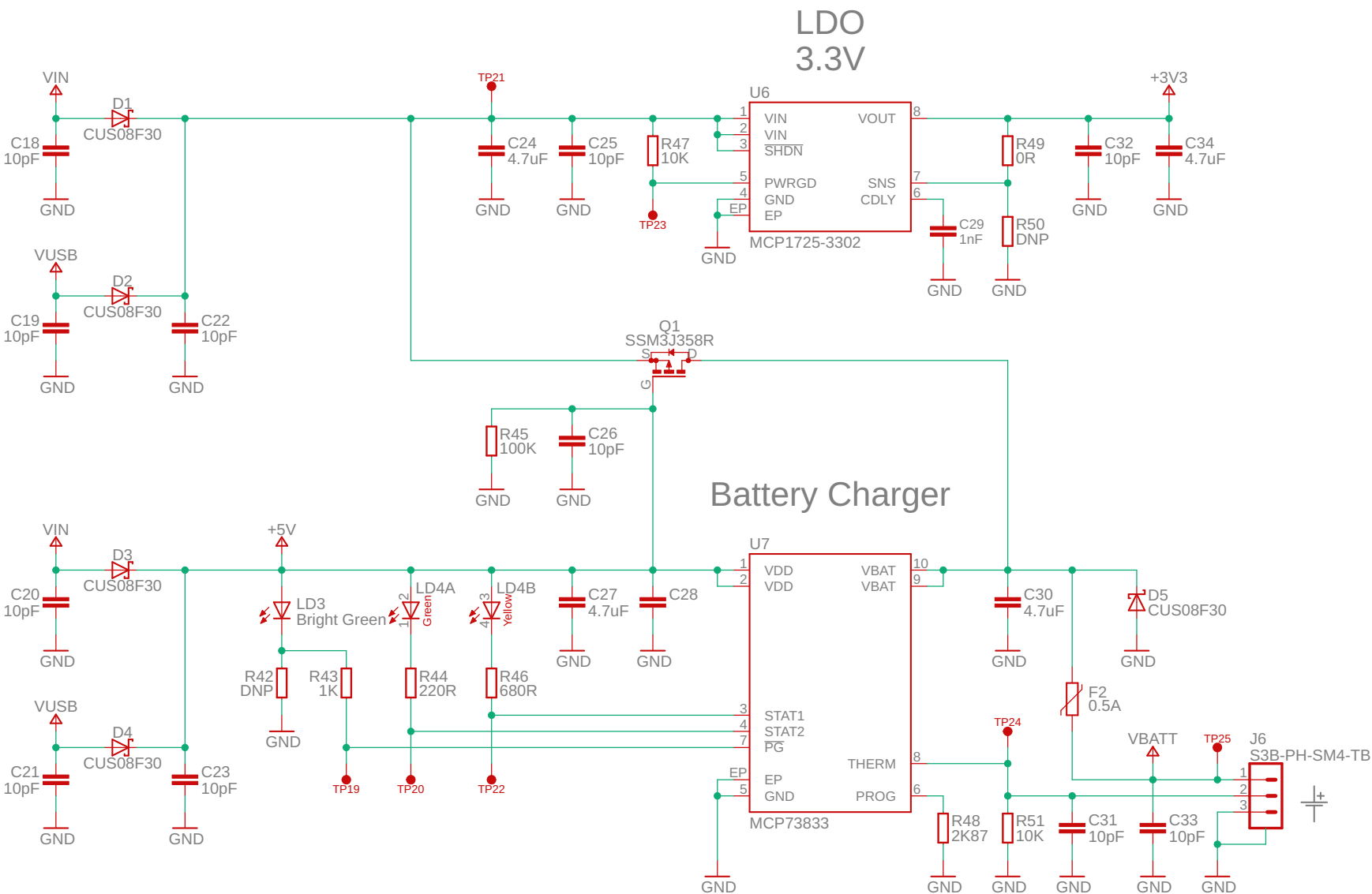


Peripherals



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Battery charger & LDO



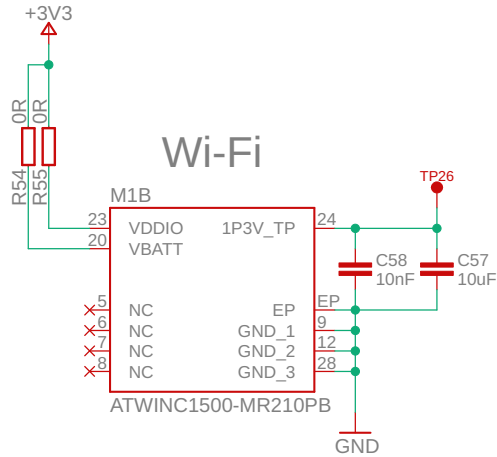
Use Li-Ion battery Vnom = 3.7V, Vchrg = 4.2V Capacity >= 700 mAh

Li-Po batteries are charged at 4,2V with a current that is usually half of the nominal capacity (C/2). This board has a specialized chip that has a preset charging current of 350mAh. This means that theMINIMUM capacity of the Li-Po battery shall be 700 mAh. Smaller cells will be damaged by this current and may overheat, develop internal gasses and explode, setting on fire the surroundings. We strongly reccomend that you select a Li-Po battery of at least 700mAh capacity. A bigger cell will take more time to charge, but won't be harmed or overheated.

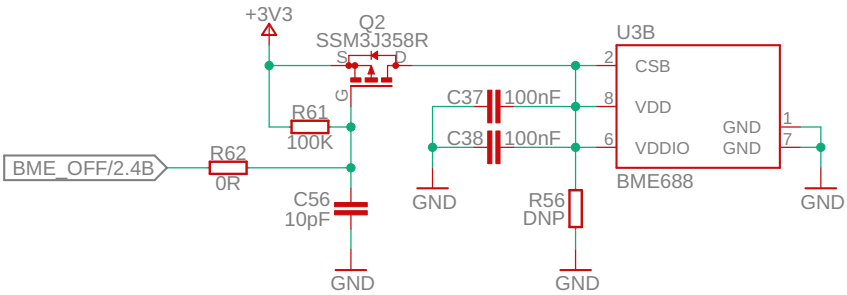
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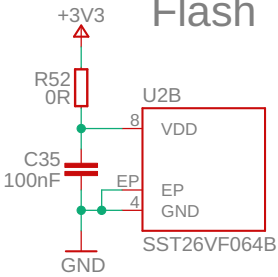
Decoupling caps



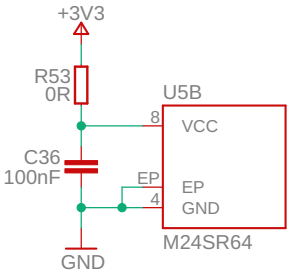
Temp, Hum, Press & VOC



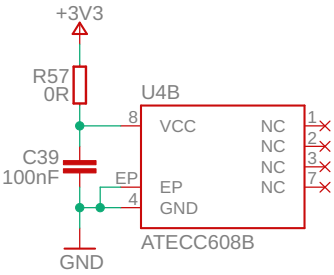
Flash



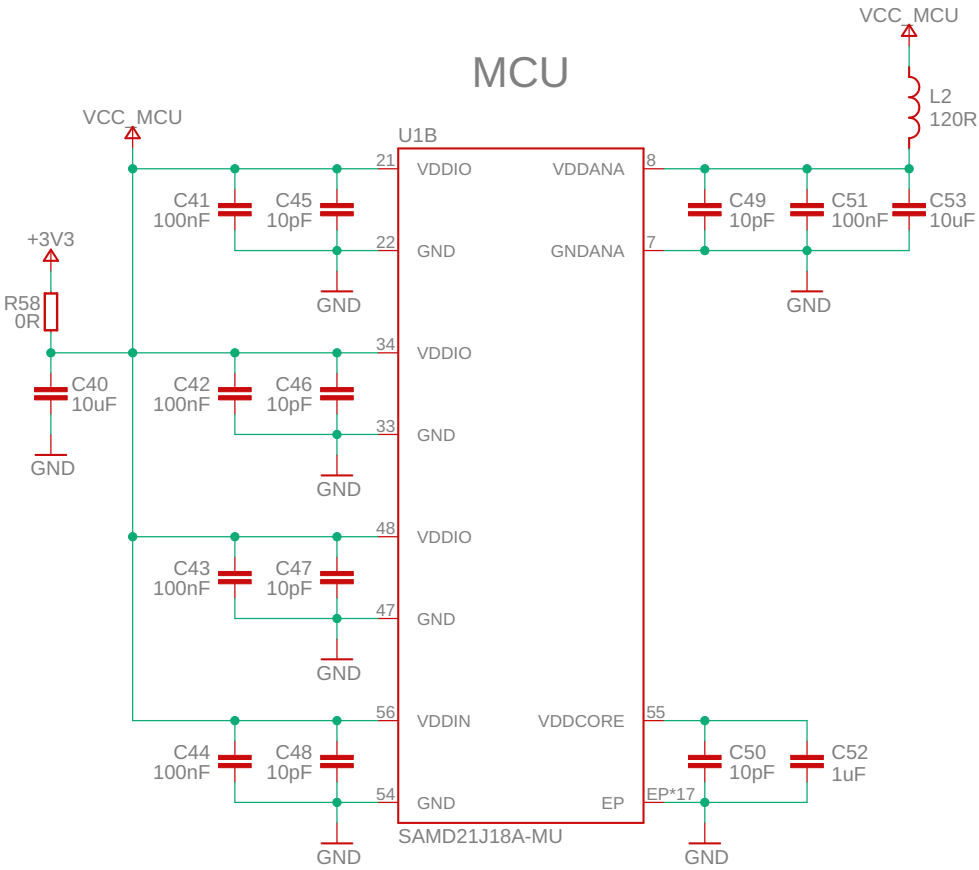
EEPROM & NFC



Crypto



MCU



FD1
FD2
FD3

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A	<div>REVISION HISTORY</div> <div>REV–A.0 (21 Nov 2022)</div> <div>1) First release</div>																																							
B																																								
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D																																								
E	<table><tr><td>ISSUE</td><td>BlackIoT Sagl</td><td colspan="2">THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.</td><td>© 2022</td><td colspan="3"></td></tr><tr><td>DRAWN C.Pino</td><td colspan="4">TITLE BlackIoT "Martinica"</td><td colspan="3">REV A.0</td></tr><tr><td>CHECKED U. Allievi</td><td colspan="4">DATE 21.11.22 09:36</td><td colspan="3">DRG N° 220321-CP</td></tr><tr><td>DATE 21 Nov 2022</td><td colspan="4">FILE: 220321_Martinica_A0</td><td colspan="3">PAGE: 6/6</td></tr></table>								ISSUE	BlackIoT Sagl	THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		© 2022				DRAWN C.Pino	TITLE BlackIoT "Martinica"				REV A.0			CHECKED U. Allievi	DATE 21.11.22 09:36				DRG N° 220321-CP			DATE 21 Nov 2022	FILE: 220321_Martinica_A0				PAGE: 6/6		
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