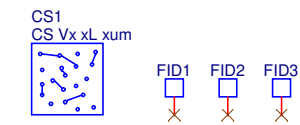


5	4	3	2	1
D				D
C				C
B				B
A				A

Revision	Date	Author	Description
1	17/10/2022	M. Brevi	First Draft



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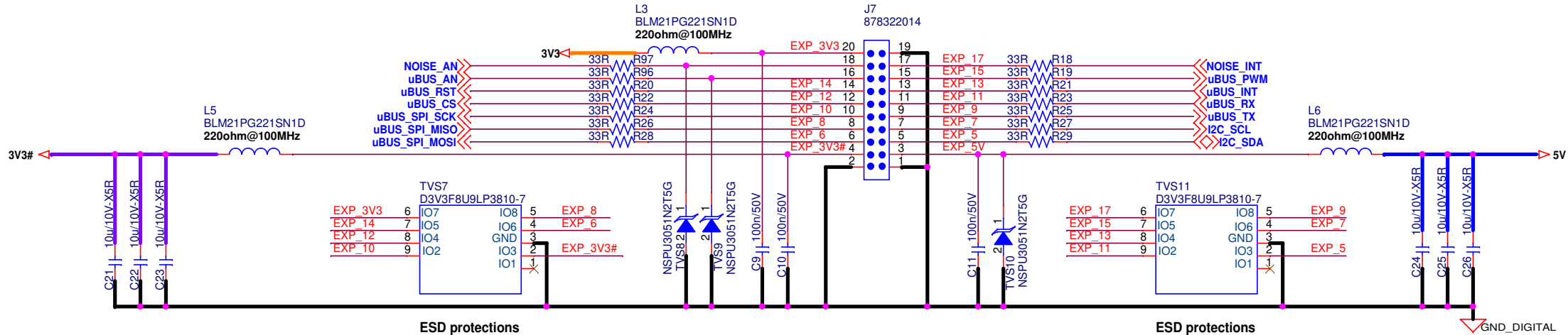
Project	CITY SCANNER	Page name	
Board	CITY SCANNER EVO SENSOR	00 - REVISION	
Designer	M. Brevi	Approved Not approved	
Project Code	2022-0630	Customer MIT	
Internal Code	-	Code -	
Data	Tuesday, December 20, 2022	Rev. 1 See Revision Page	Rev. changes
		Sheet 1 / 7	


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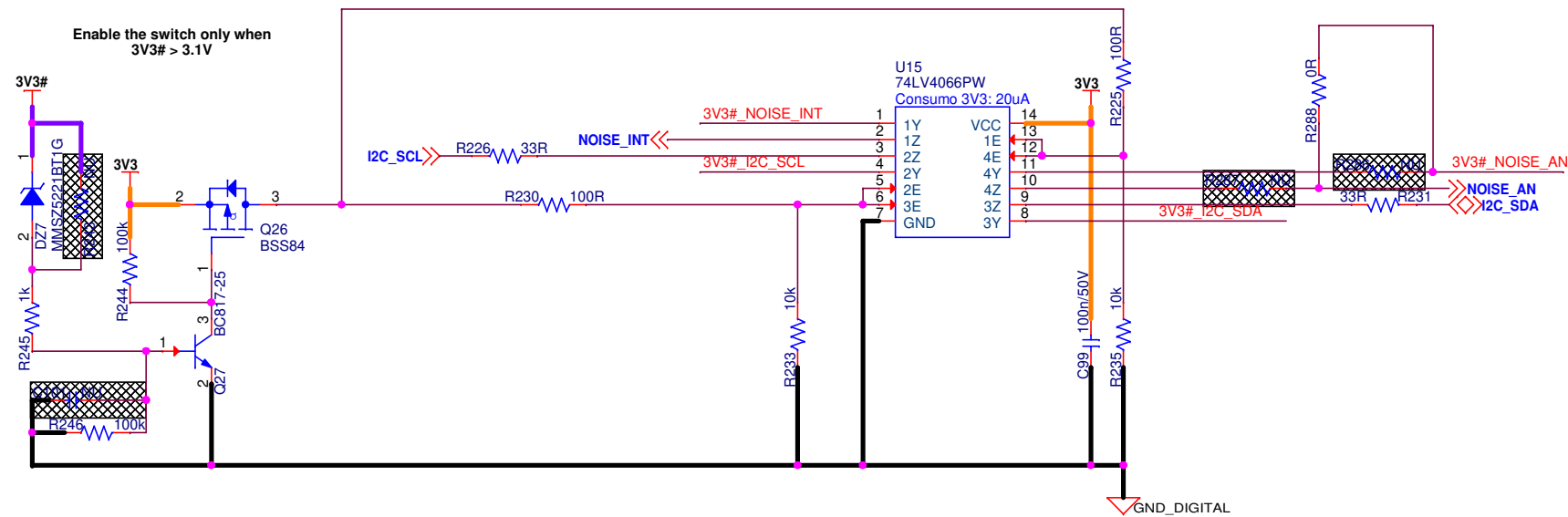
EXPANSION HEADER

The maximum voltage of all the signals must be <3.3V. If needed provide level shifters on the expansion board.

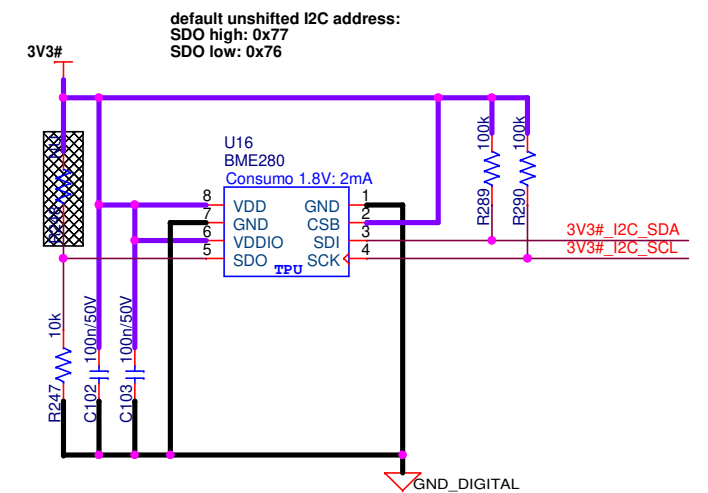


<div></div> <div>via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130</div>	Project <b>CITY SCANNER</b>		Page name	
	Board <b>CITY SCANNER EVO SENSOR</b>		<b>02 - EXPANSION CONNECTOR</b>	
	Designer <b>M. Brevi</b>		Approved <b>Not approved</b>	
	Project Code <b>2022-0630</b>		Customer <b>MIT</b>	
	Internal Code -		Code -	
Data Tuesday, December 20, 2022	Rev. 1	Rev. changes See Revision Page		Sheet 3 / 7
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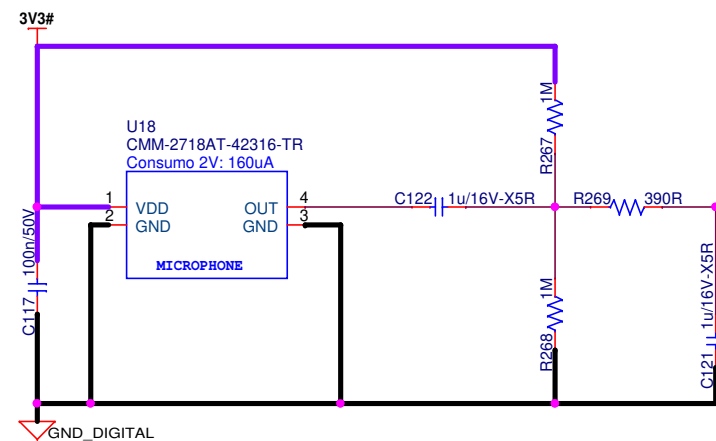
## SIGNAL SWITCH



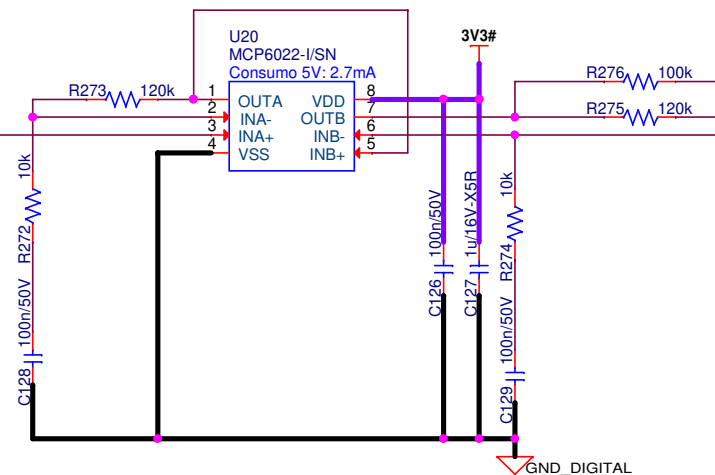
## AMBIENT SENSOR



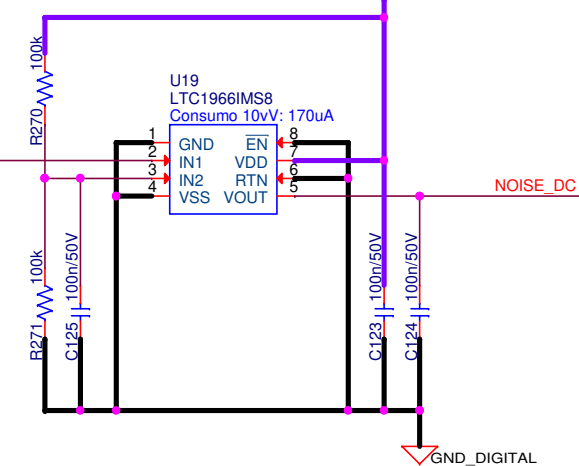
## MICROPHONE



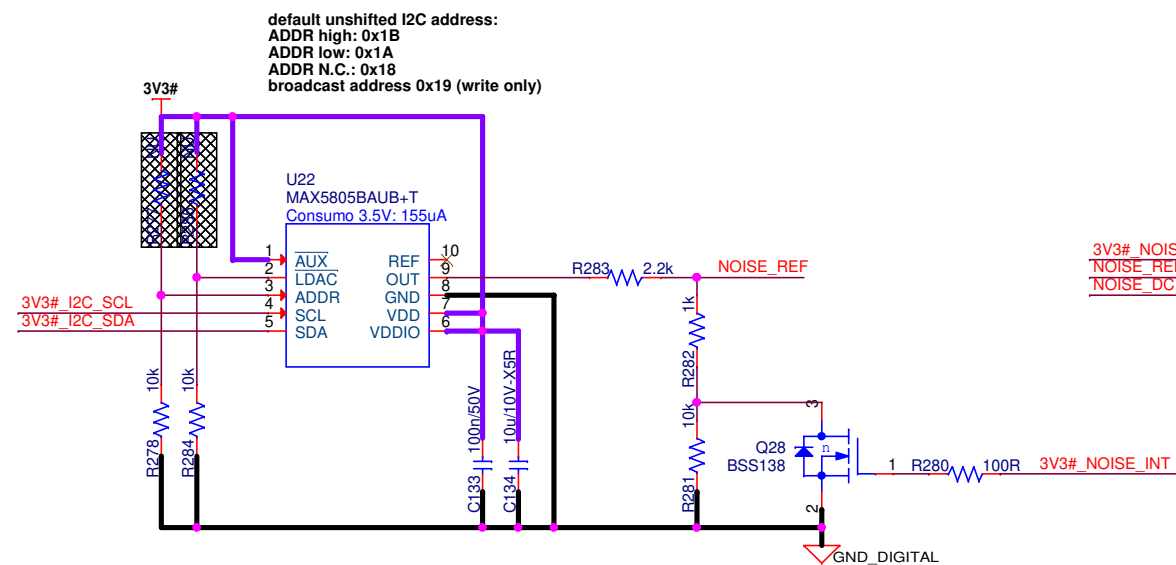
## OP-AMP



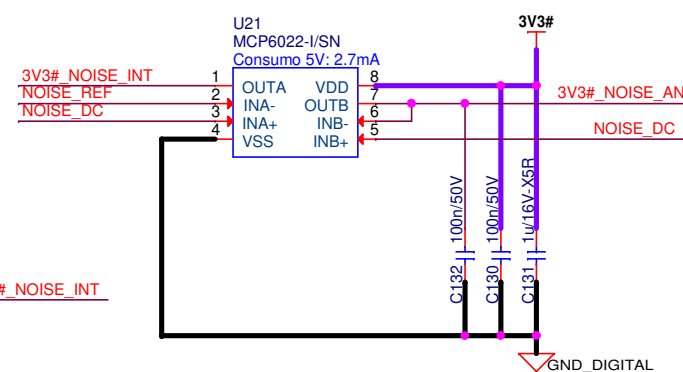
## RMS to DC



## DAC



## OP-AMP



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Data  
Tuesday, December 20, 2022

Project **CITY SCANNER**

Board **CITY SCANNER EVO SENSOR**

Designer **M. Brevi**

Project Code **2022-0630**

Internal Code -

Rev. 1 See Revision Page

Page name

**03 - 3V3 SENSORS**

Approved **Not approved**

Customer **MIT**

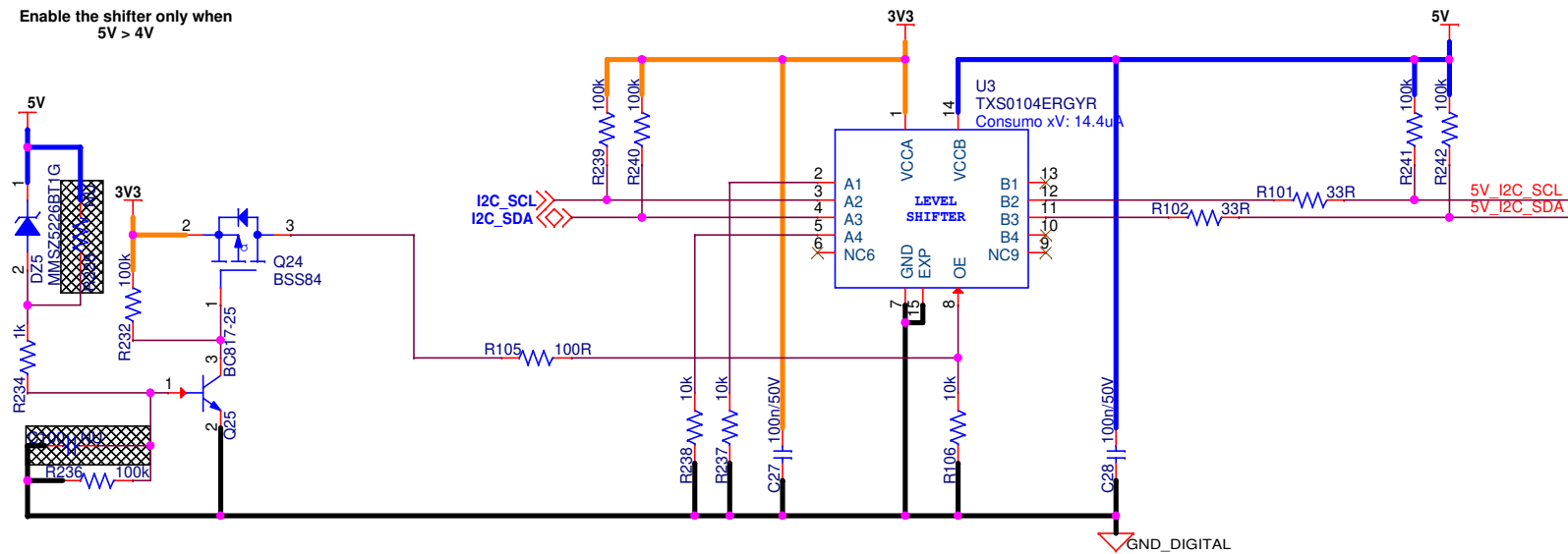
Code -

Rev. changes

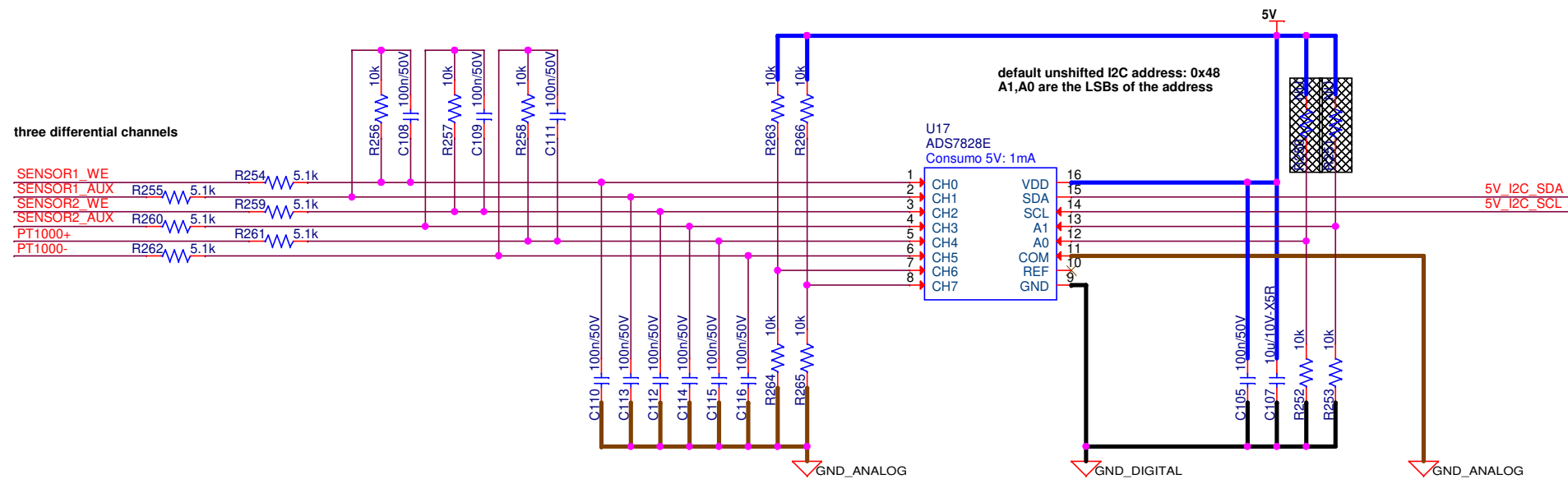
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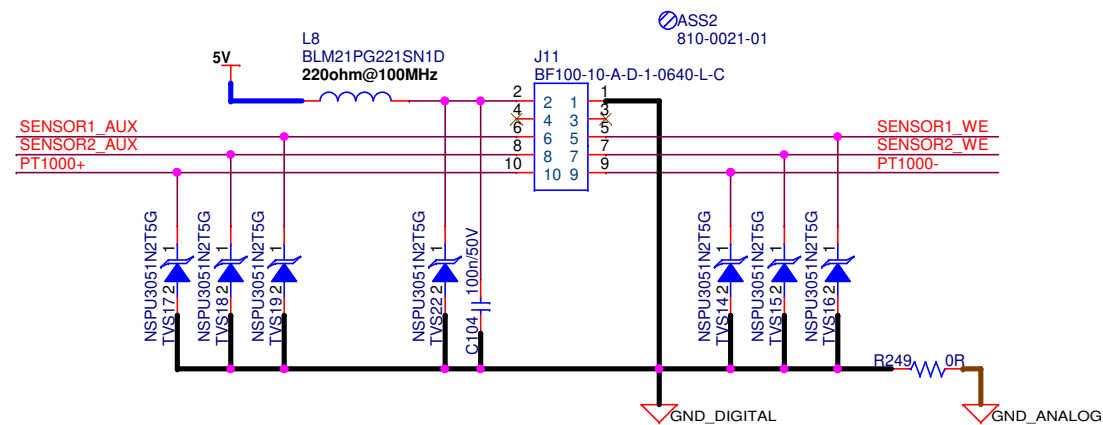
## LEVEL SHIFTER



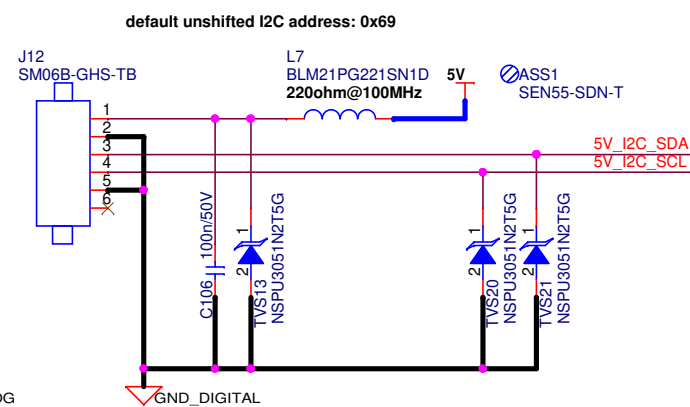
## ANALOG to DIGITAL CONVERTER



## ALPHASENSE AFE



## SEN5X SENSOR

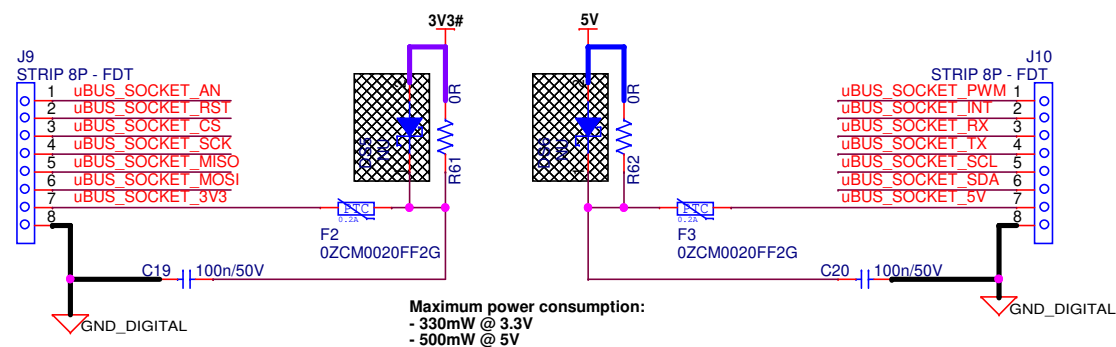


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Project	CITY SCANNER	Page name	A
Board	CITY SCANNER EVO SENSOR		
Designer	M. Brevi	04 - 5V SENSORS	
Project Code	2022-0630	Approved	Not approved
Internal Code -		Customer	MIT
Rev.	1	Code	-
See Revision Page		Rev. changes	
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**Choose the power supply of the click board connected to the mikroBUS socket**



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	Board CITY SCANNER EVO SENSOR			
	Designer M. Brevi		Approved Not approved	
	Project Code 2022-0630		Customer MIT	
	Internal Code -		Code -	
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