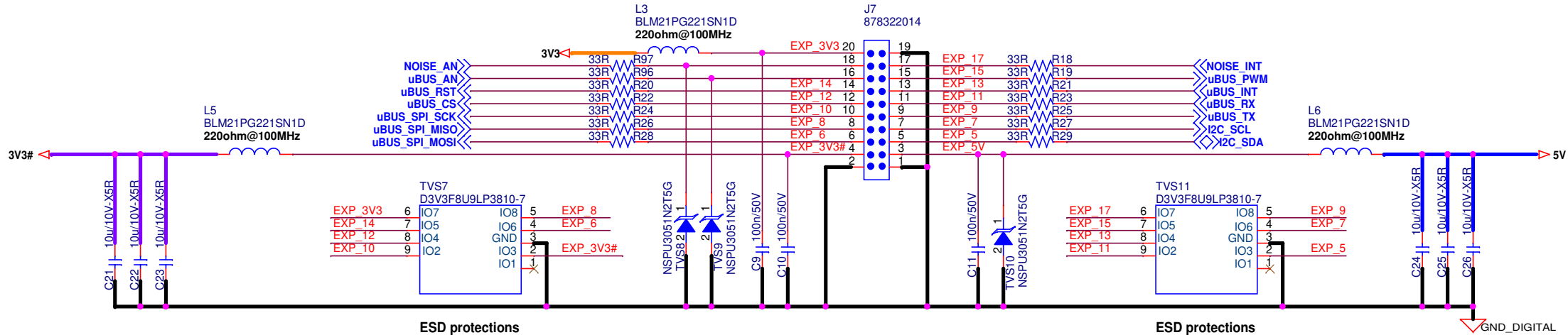


F&E TECHNOLOGY via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130	Project	CITY SCANNER	Page name 01 - BLOCK DIAGRAM	
	Board	CITY SCANNER EVO SENSOR		
	Designer	M. Brevi	Approved Not approved	
	Project Code	2022-0630	Customer MIT	
	Internal Code	-	Code -	
Data Tuesday, May 23, 2023		Rev. 2	Rev. changes See Revision Page	Sheet 2 / 7
Il presente progetto è tutelato dalla legge sul diritto d'autore, che vieta a terzi la riproduzione e l'utilizzo anche parziale senza il consenso di F&E Technology S.p.A.				

EXPANSION HEADER

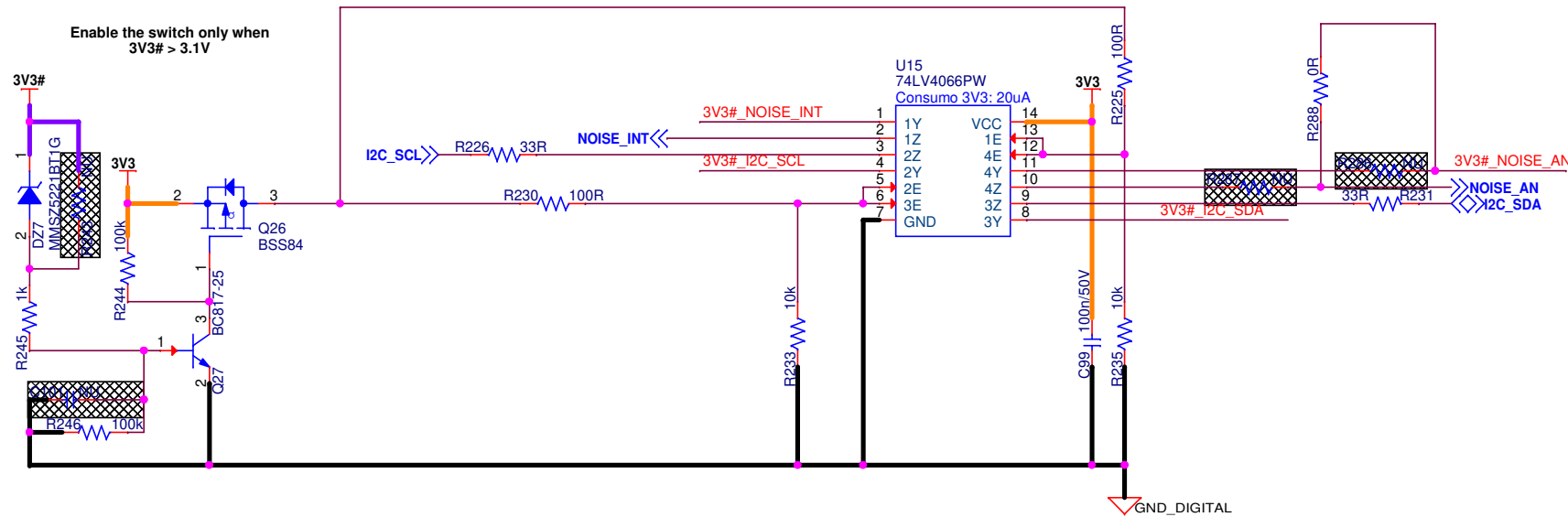
The maximum voltage of all the signals must be <3.3V. If needed provide level shifters on the expansion board.



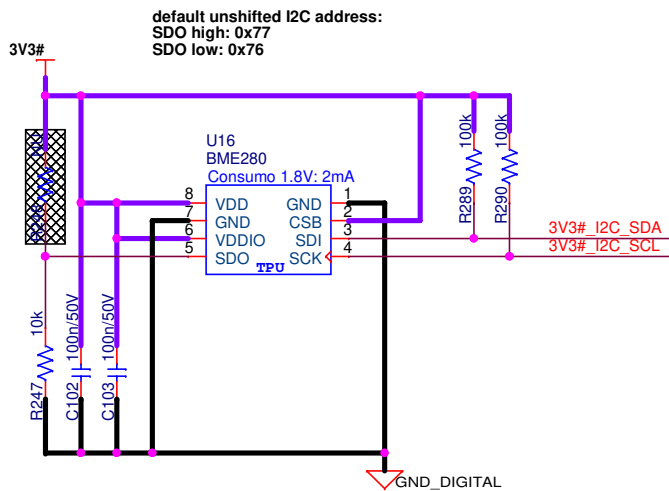
<div><div>FAE</div><div>TECHNOLOGY</div><div>via C. Battisti 136, 24025, Gazzaniga (Bg), Italy</div><div>Mail: info@fae.technology Tel: +39 035738130</div></div>	Project	CITY SCANNER	Page name	
	Board	CITY SCANNER EVO SENSOR	02 - EXPANSION CONNECTOR	
	Designer	M. Brevi	Approved Not approved	
	Project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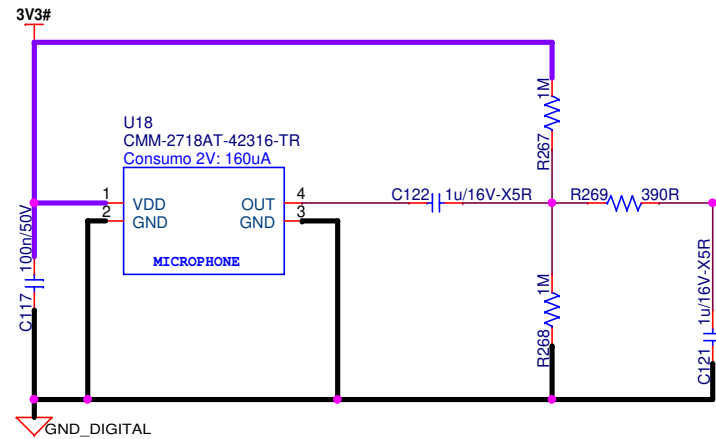
SIGNAL SWITCH



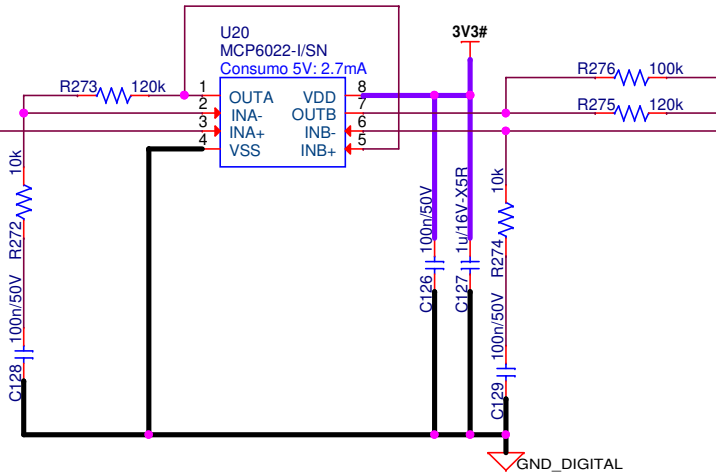
AMBIENT SENSOR



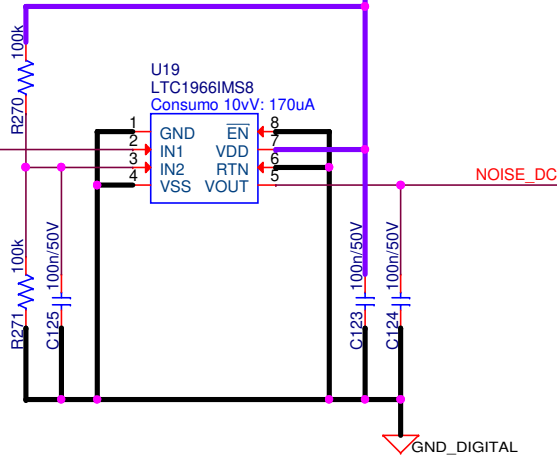
MICROPHONE



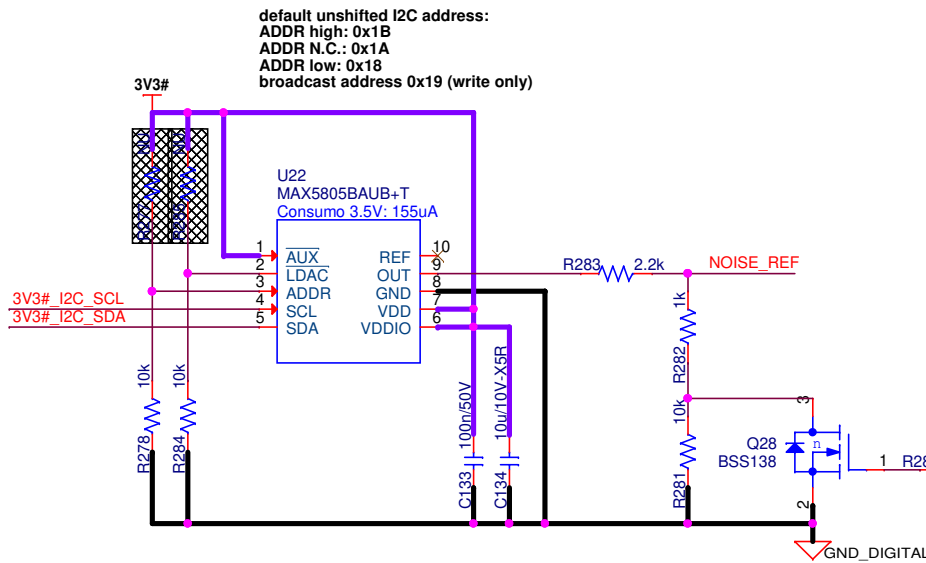
OP-AMP



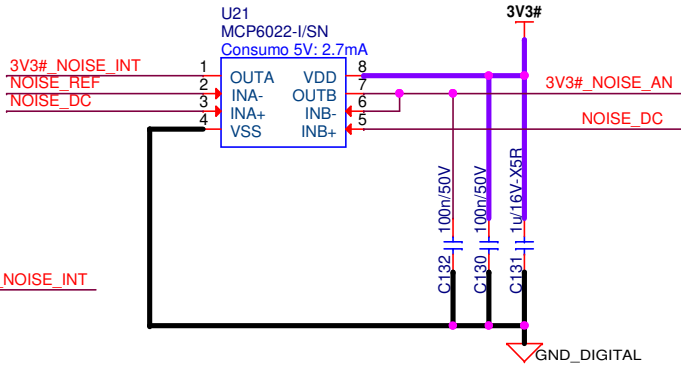
RMS to DC



DAC



OP-AMP



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Mail: info@fae.technology Tel: +39 035738130

Data
Friday, July 21, 2023

Project **CITY SCANNER**

Board **CITY SCANNER EVO SENSOR**

Designer **M. Brevi**

Project Code **2022-0630**

Internal Code -

Rev.
2

See Revision Page

Page name

03 - 3V3 SENSORS

Approved **Not approved**

Customer **MIT**

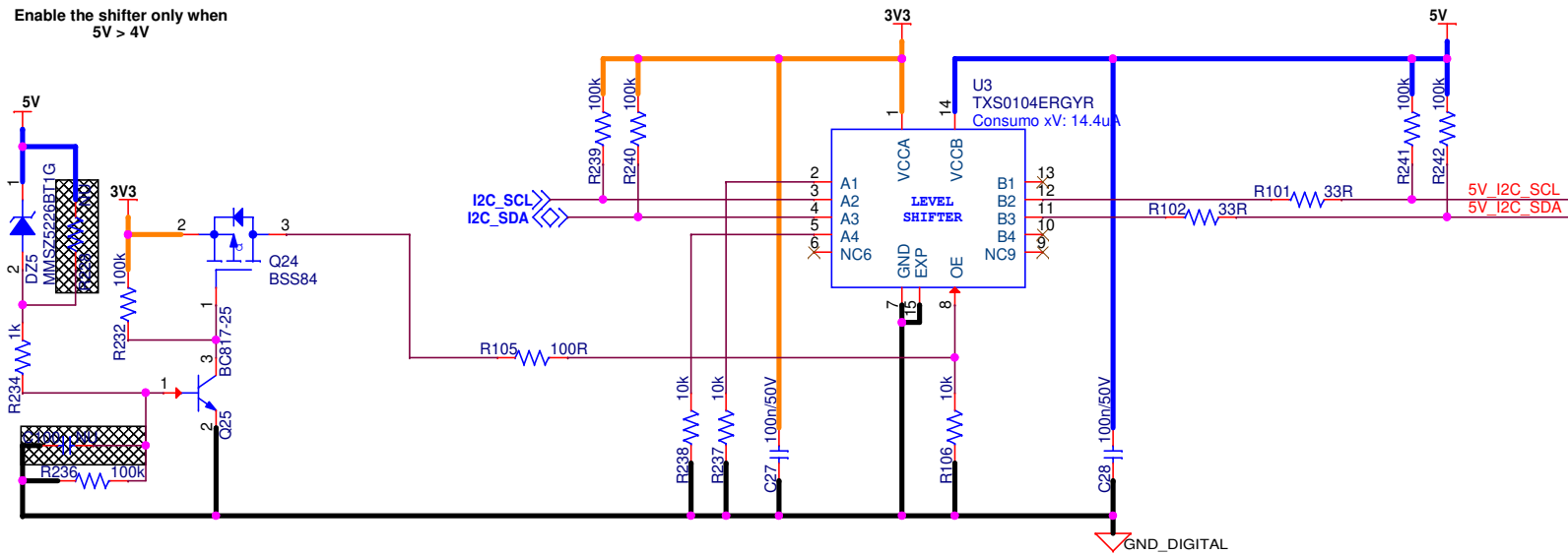
Code -

Rev. changes

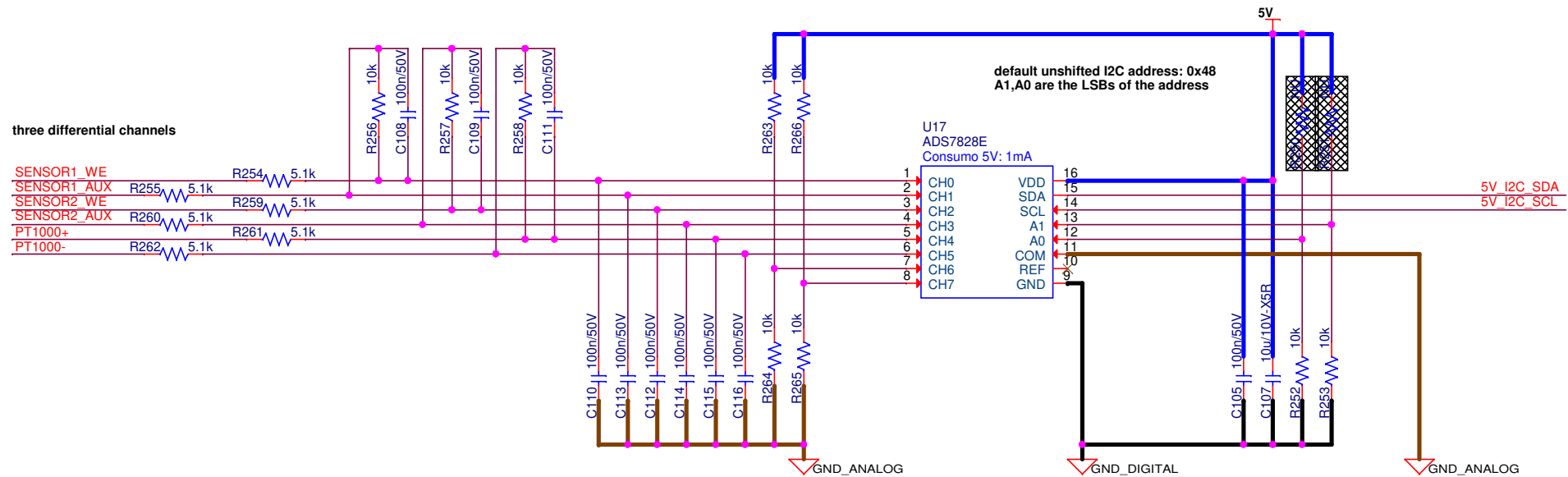
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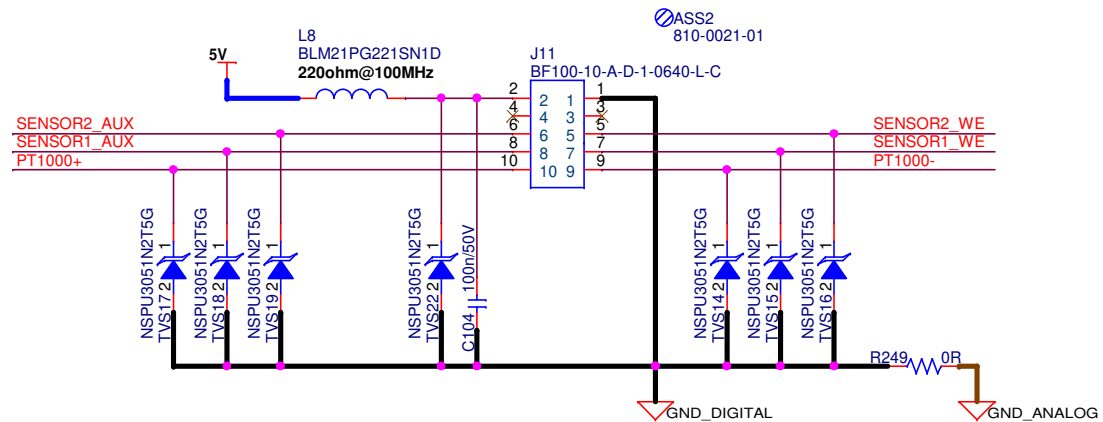
LEVEL SHIFTER



ANALOG to DIGITAL CONVERTER

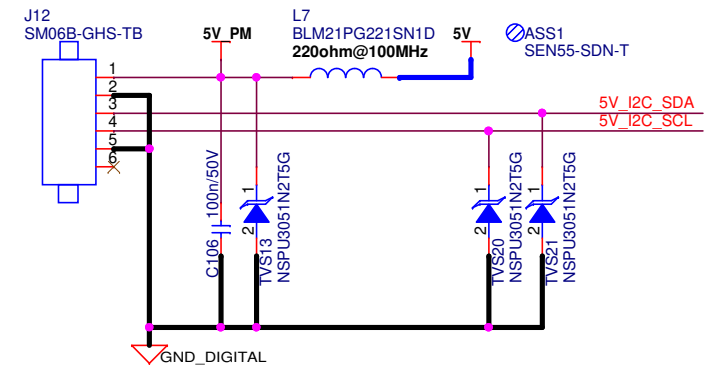


ALPHASENSE AFE



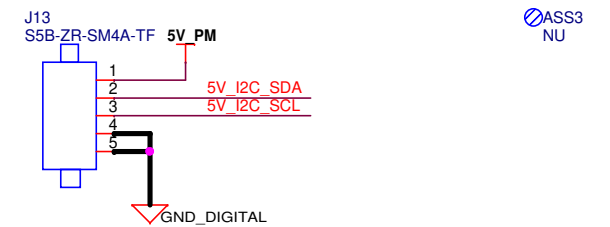
SEN5X SENSOR

default unshifted I2C address: 0x69



SPS30 SENSOR

default unshifted I2C address: 0x69

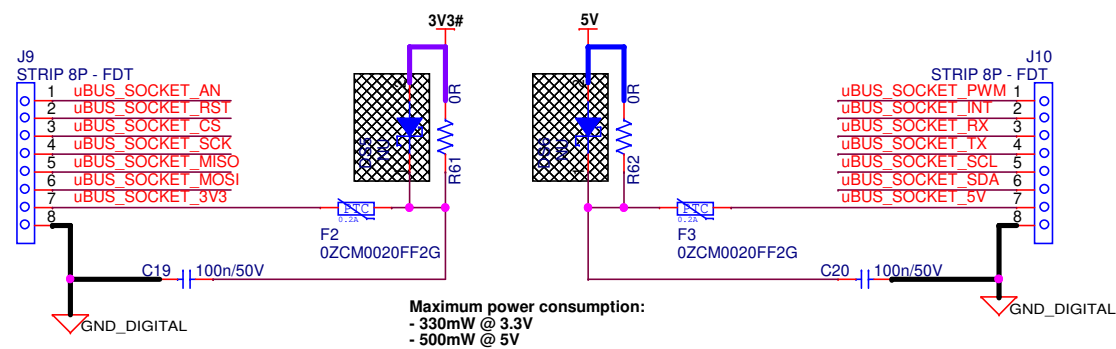



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Choose the power supply of the click board connected to the mikroBUS socket



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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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