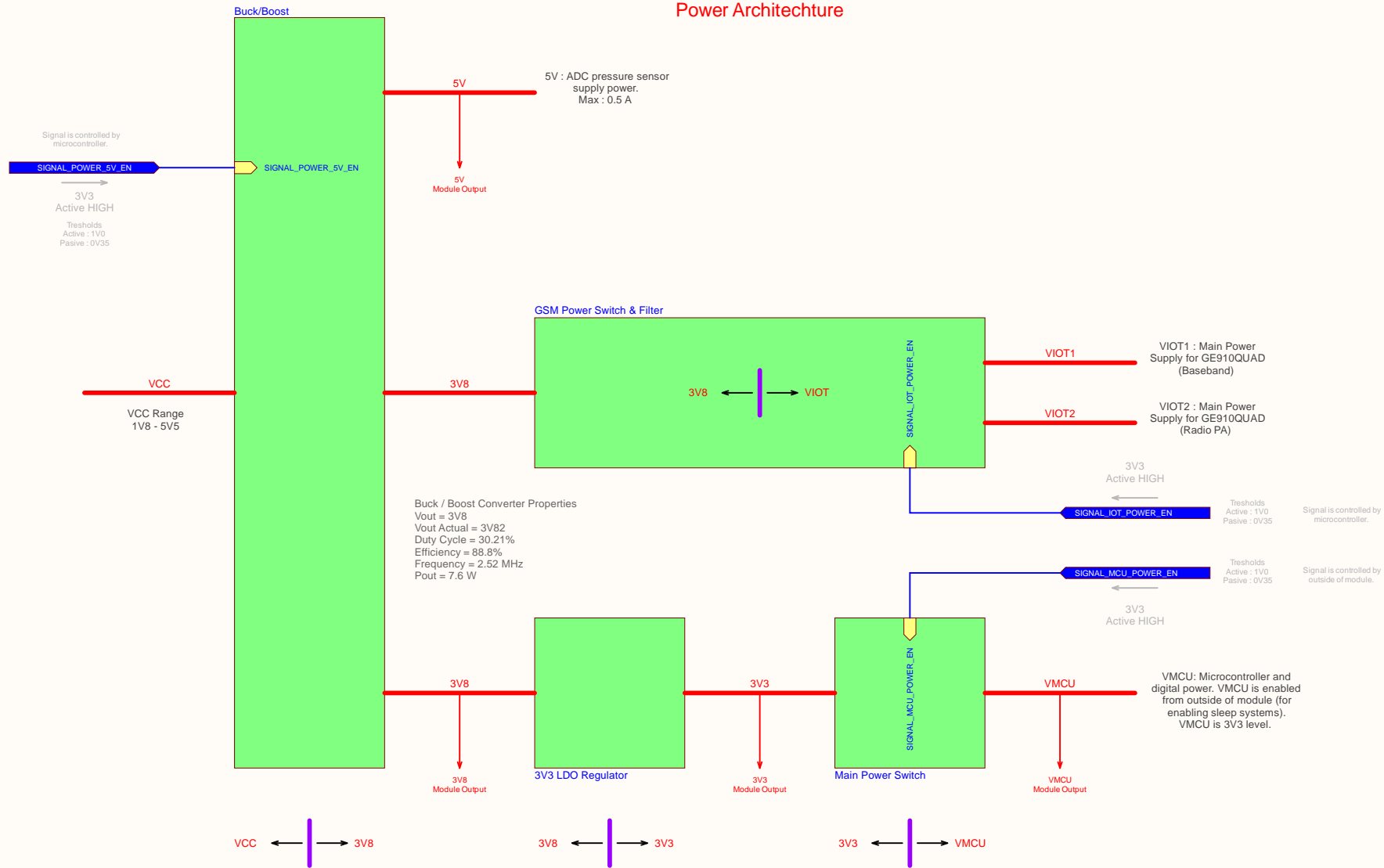
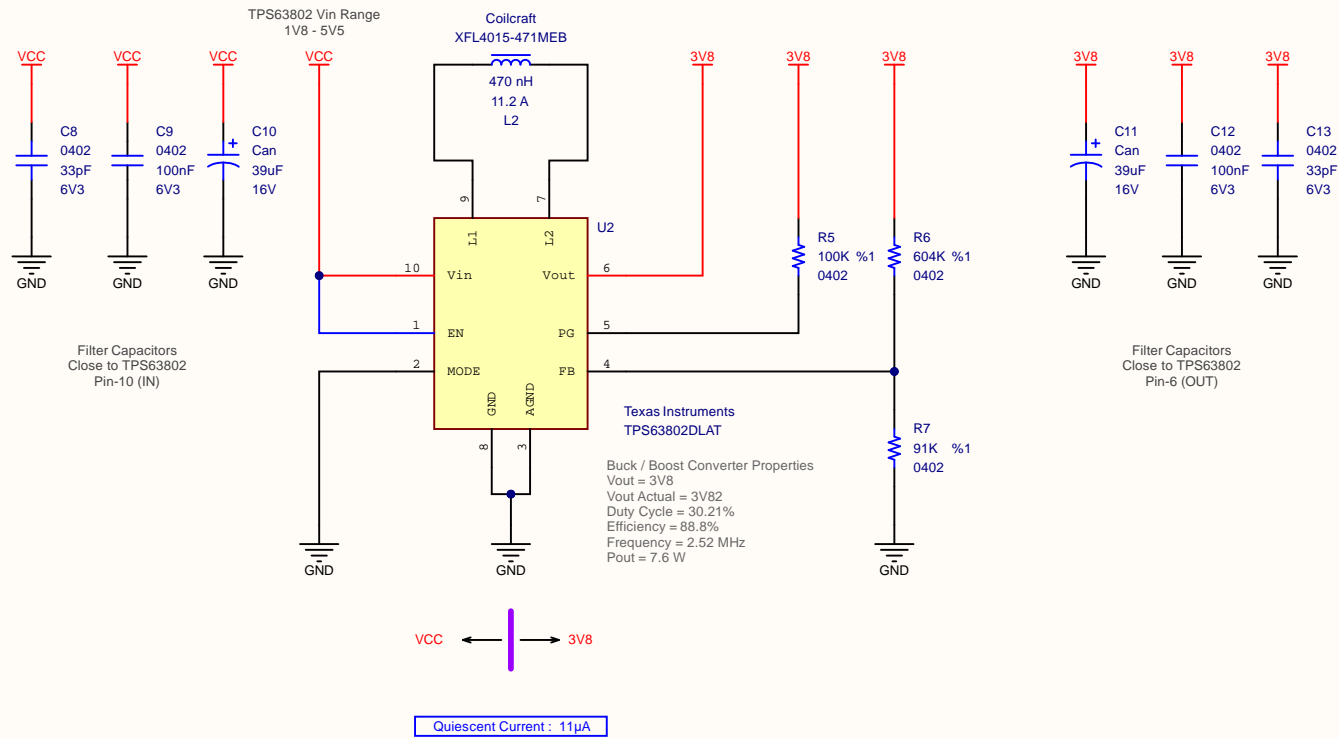
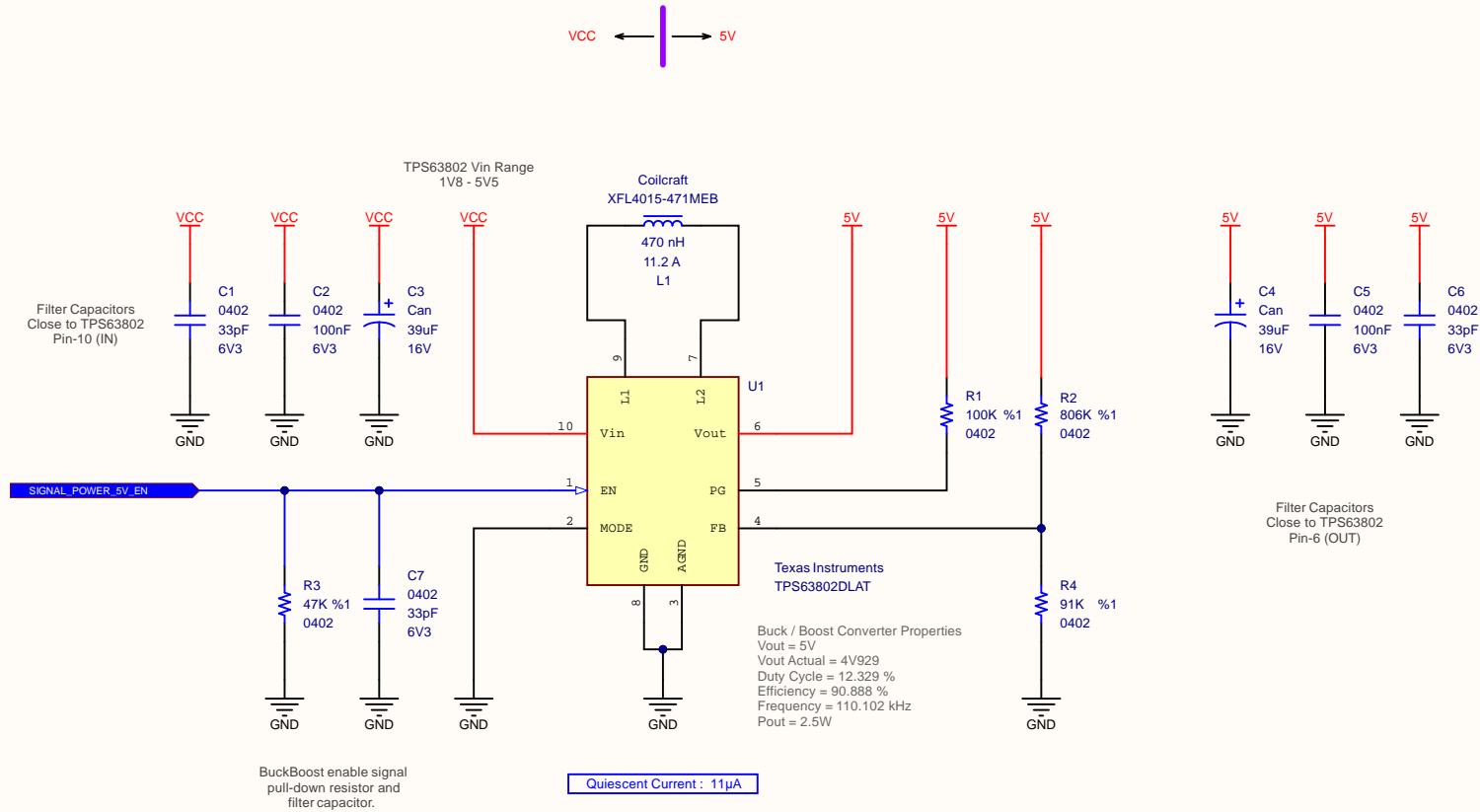


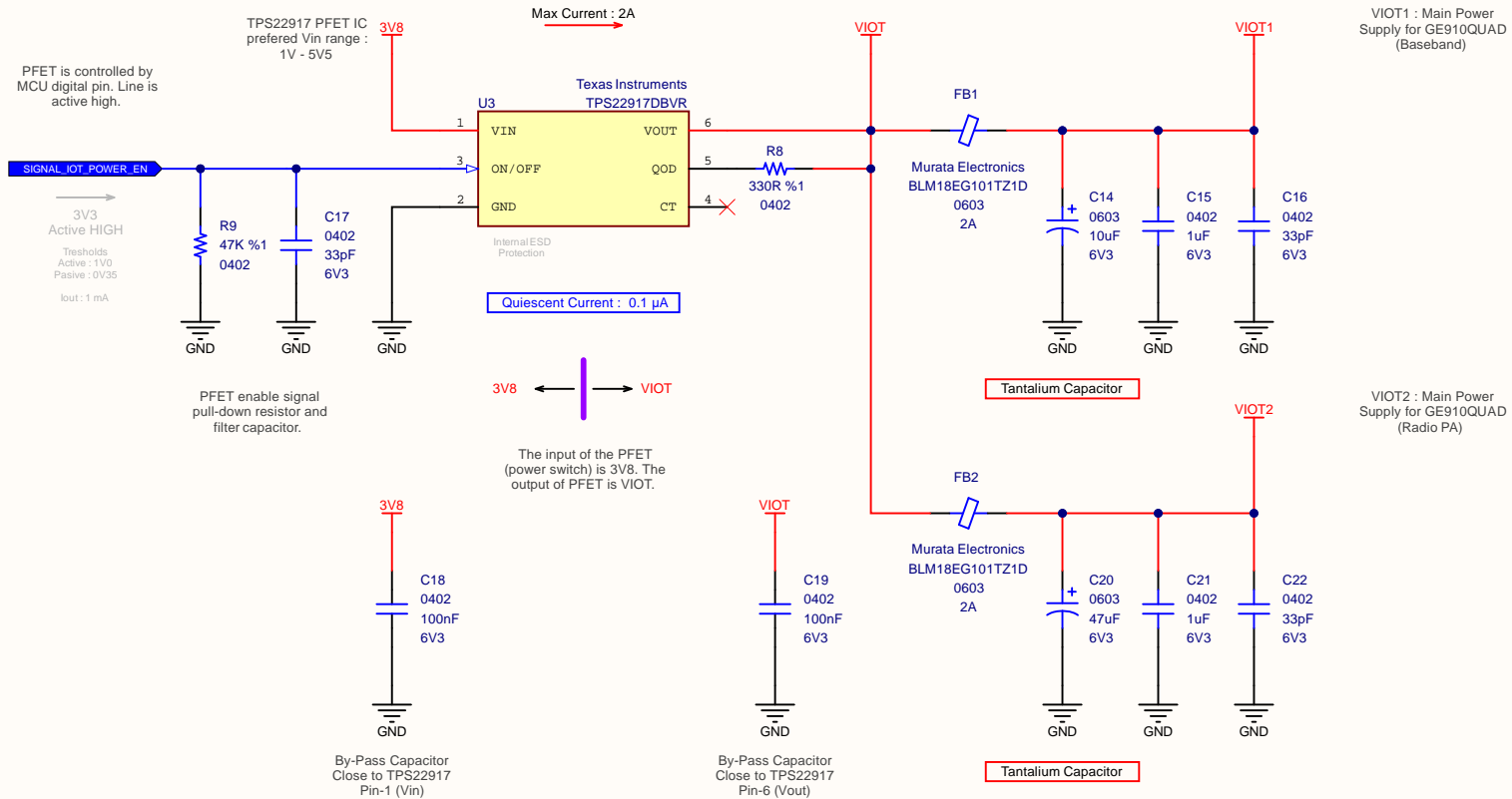
Power Architecture



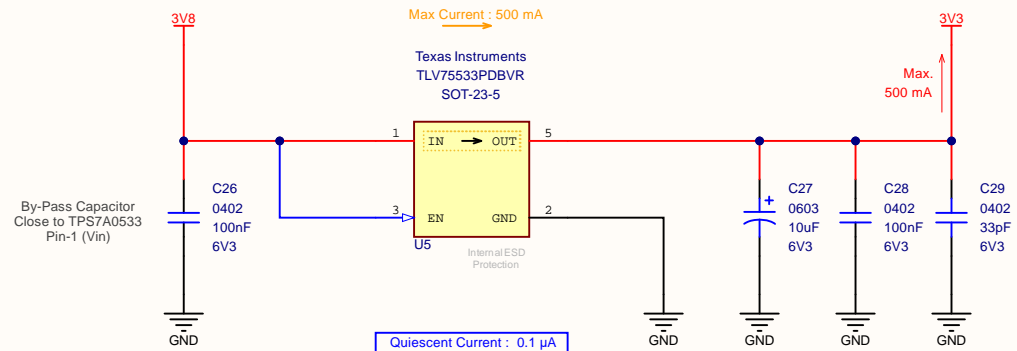


GSM Modem Power Switch

GSM Module Power Filter

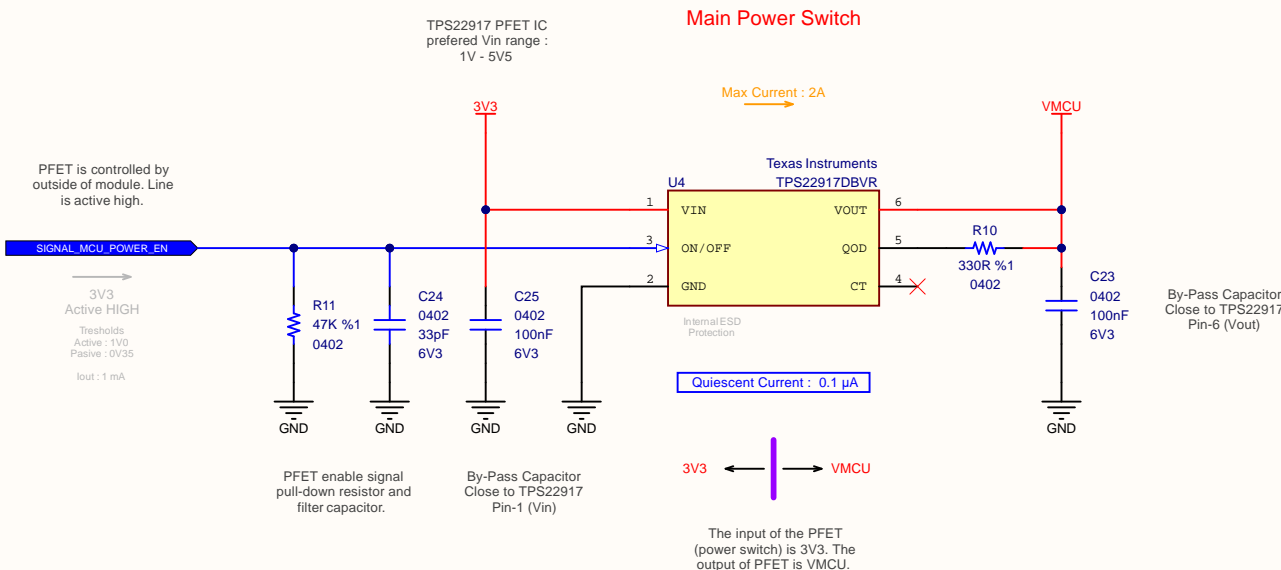


Title GSM Power Switch and Filter				Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bırgölü Apt. No: 19/6 Meram / Konya Türkiye
Size: A4		Number:	Revision: B100AA	
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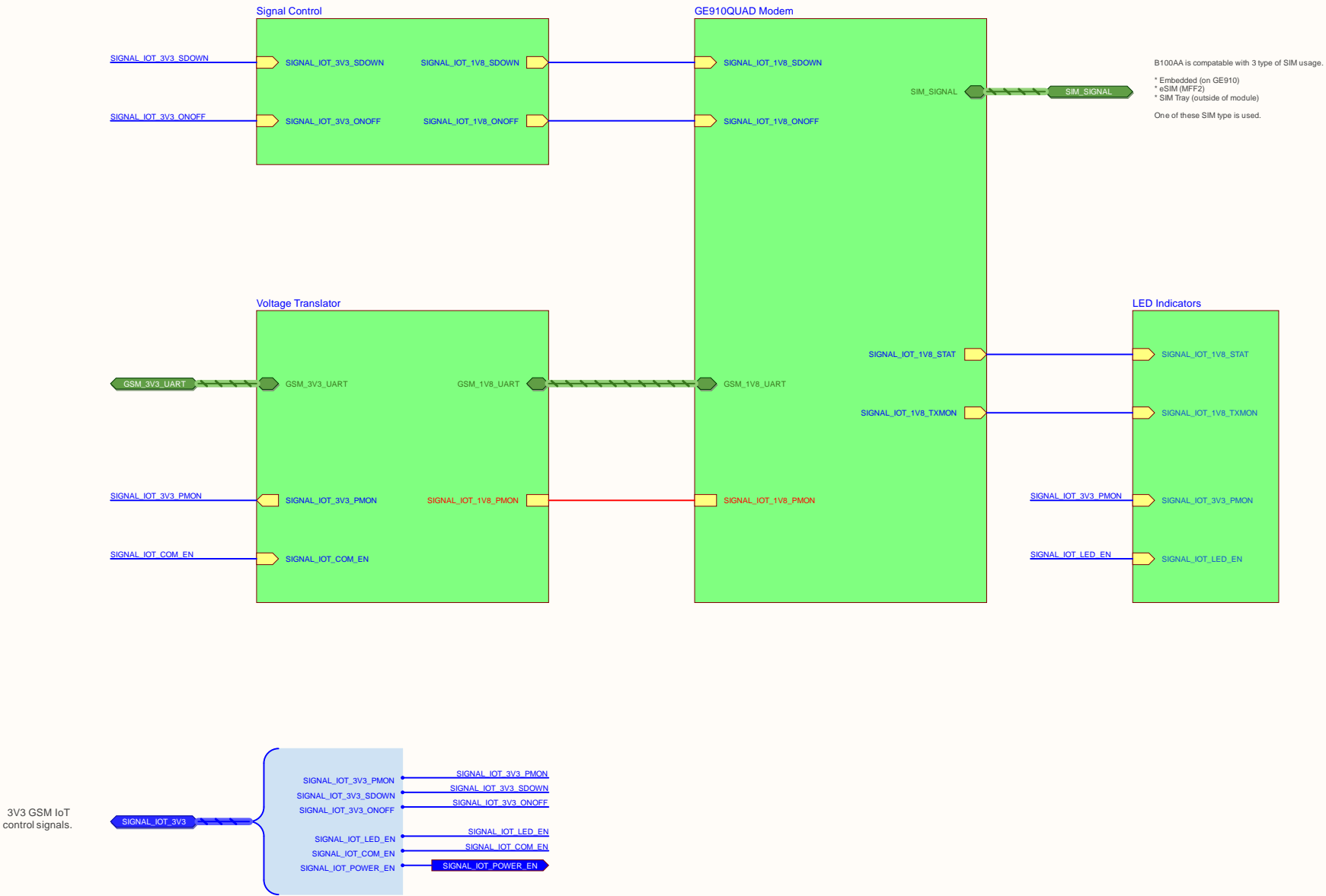


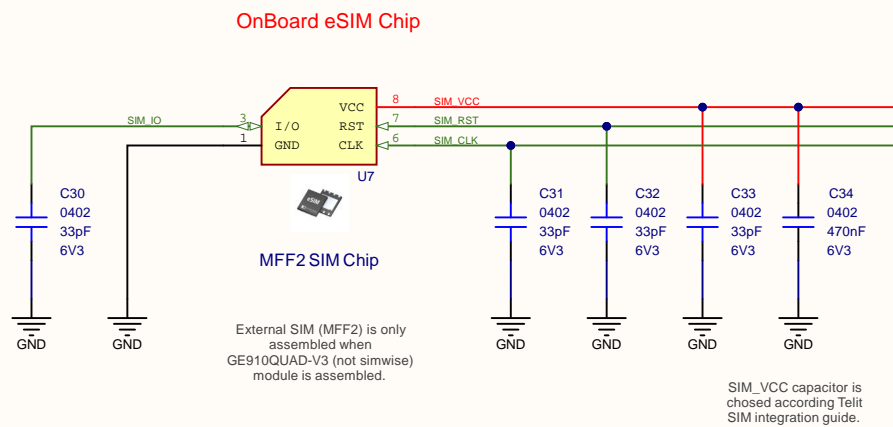
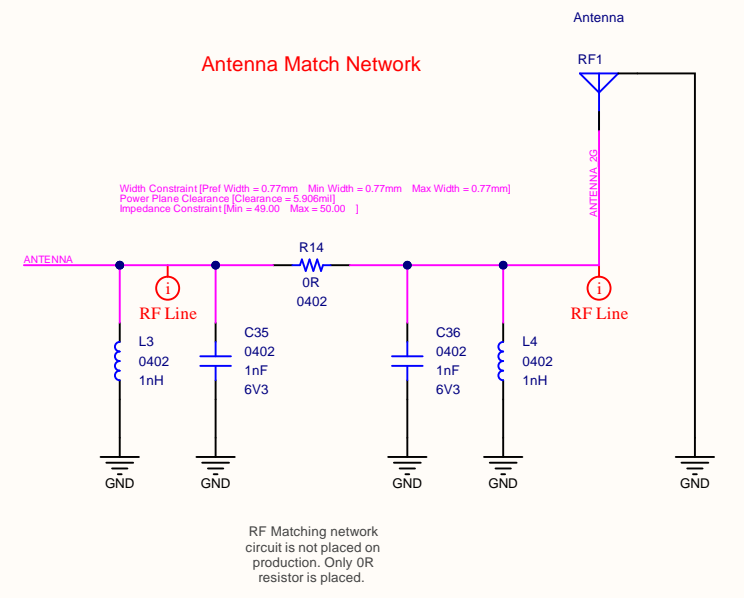
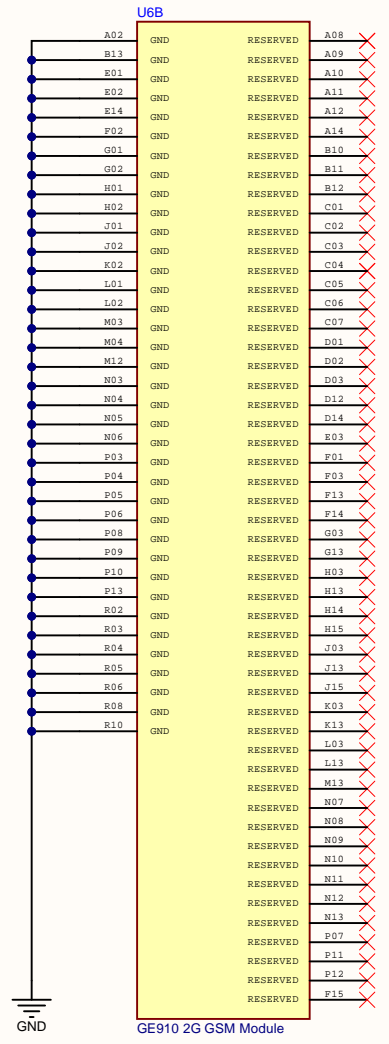
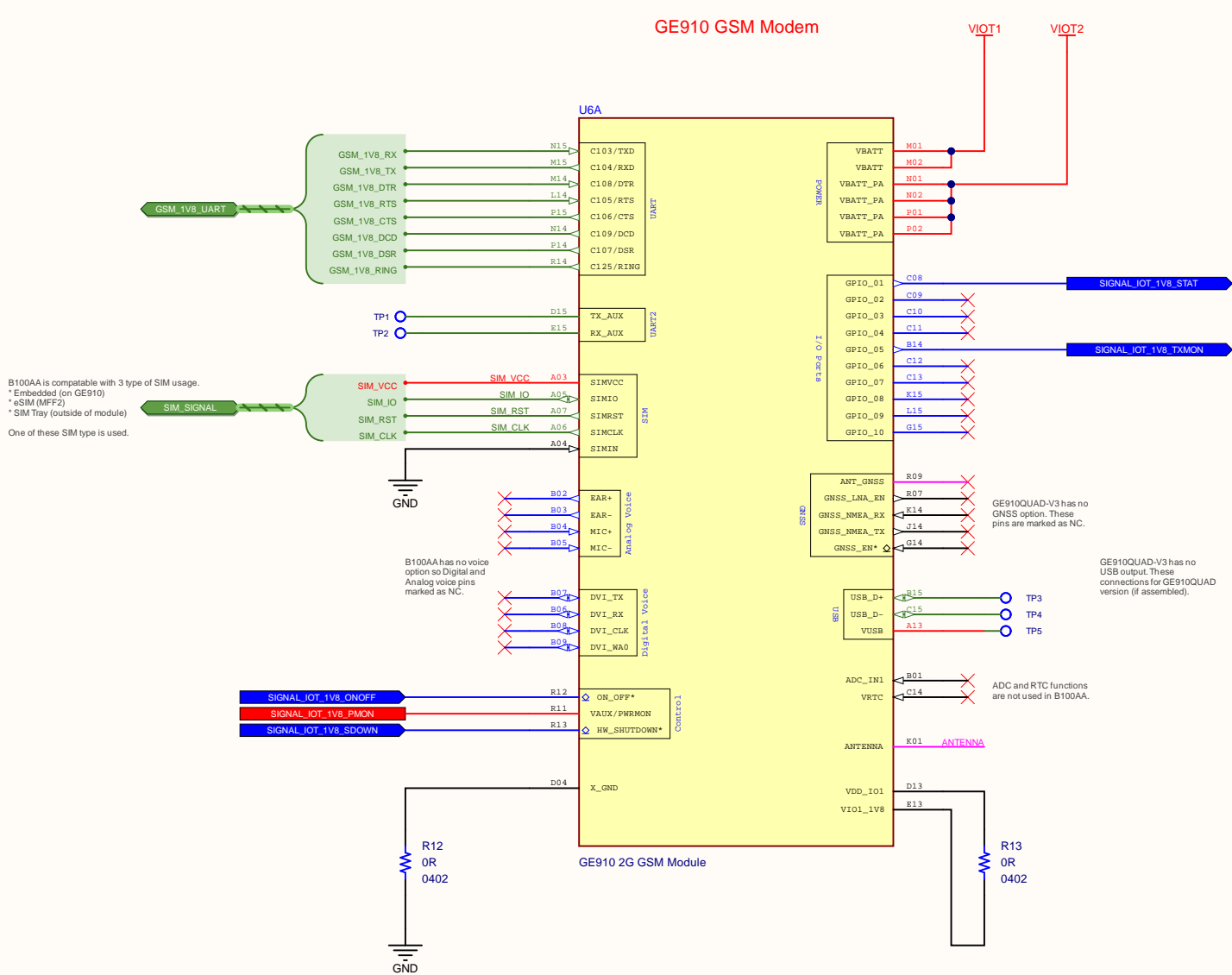
3V8 ← → 3V3

TLV75533 LDO is a 3V3 regulator. LDO is always enable.

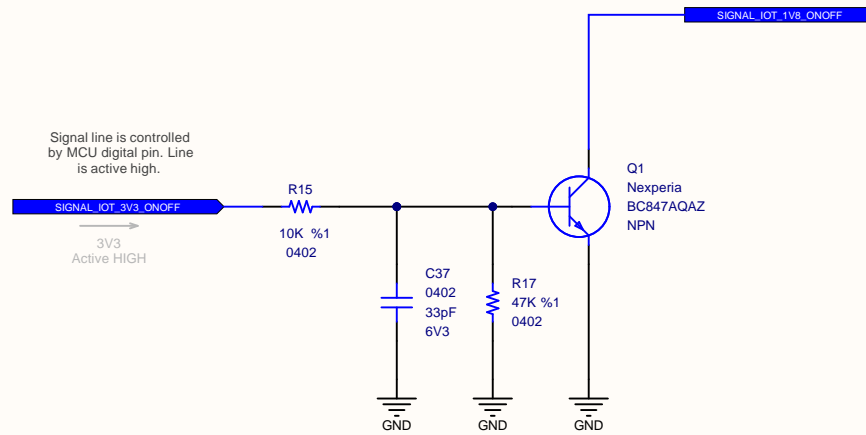


GSM IoT Communication Layer

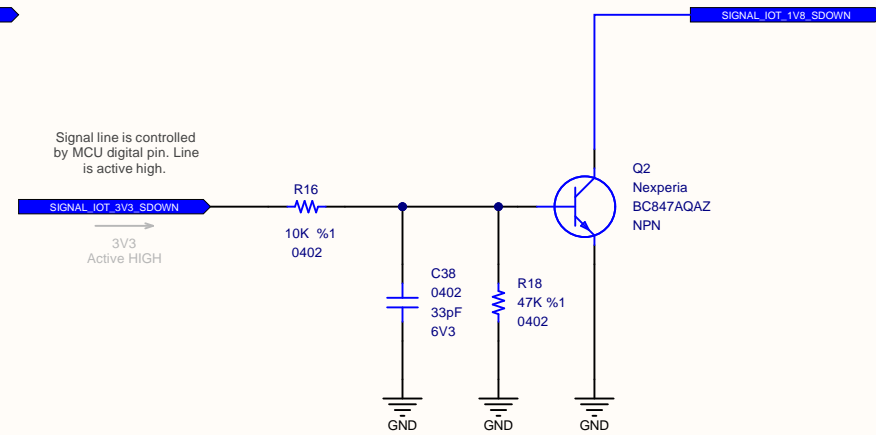




GSM Module On/Off Signal



GSM Module Shut Down Signal



Title GSM Control Signal Management

Size: A4

Number:

Revision: B100AA

Date: 5.01.2021

Time: 14:57:35

Sheet 9 of 40

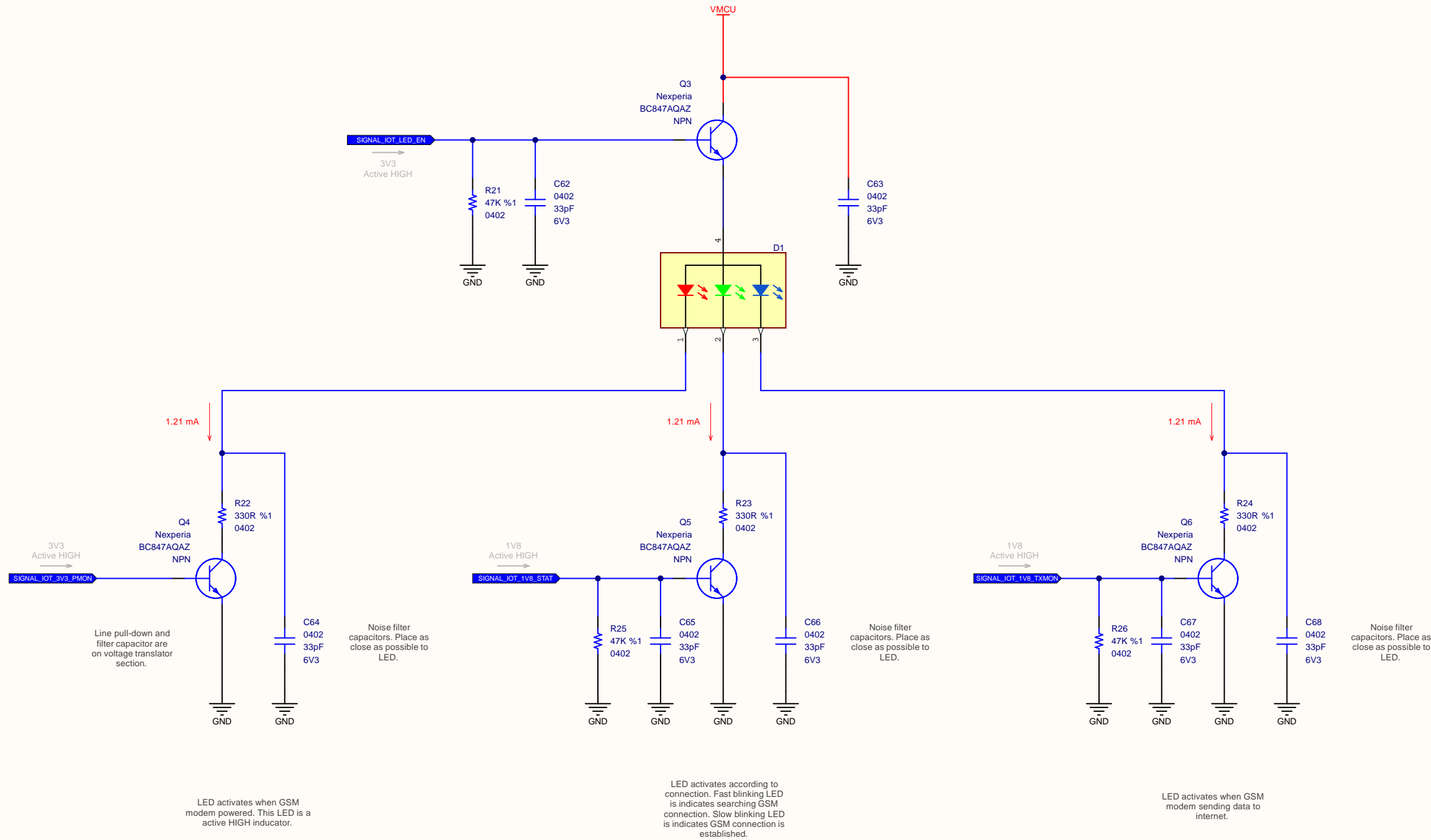
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Ovoo Electronics

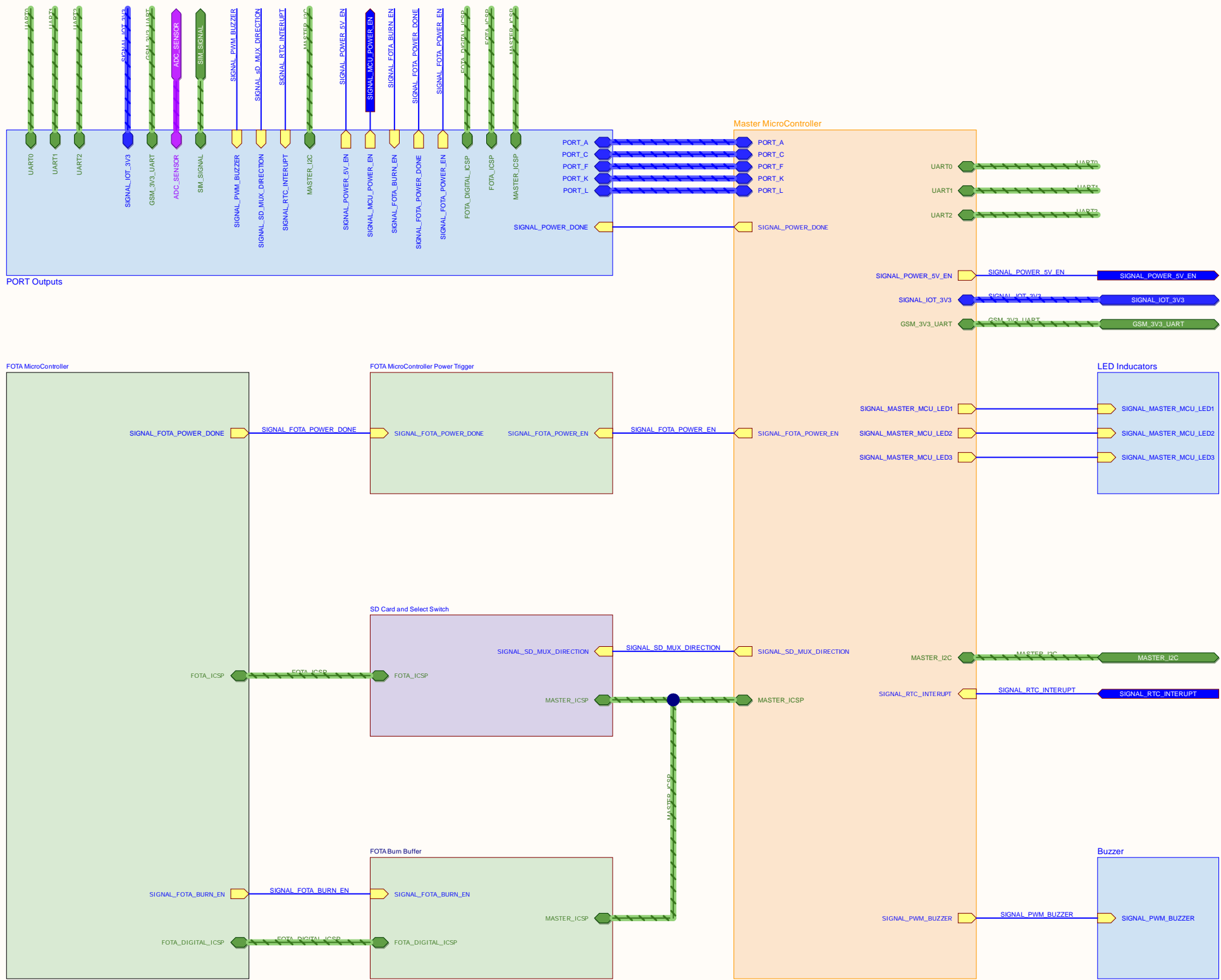
Necip Fazıl Mah. Ortarmak Sok.
Bırgölü Apt. No: 19/6
Meram / Konya
Türkiye

OVOO

GSM IoT LED Indicators



B100 MicroController

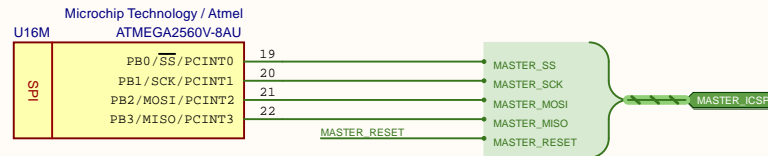
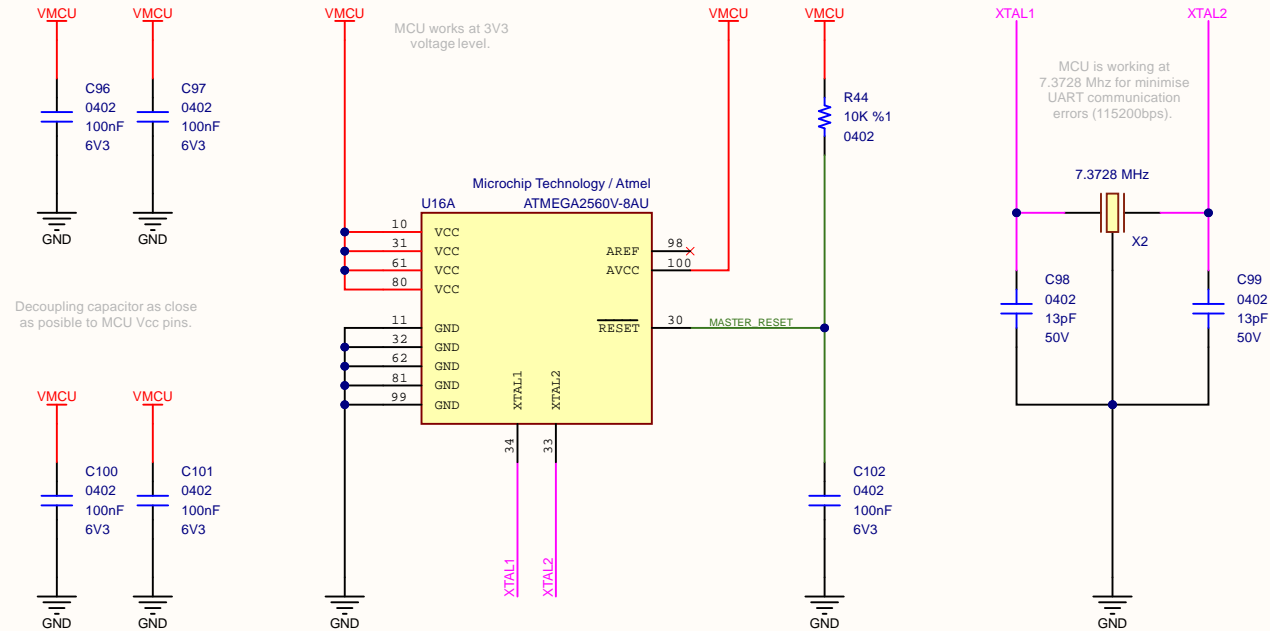


Master MicroController




MicroController

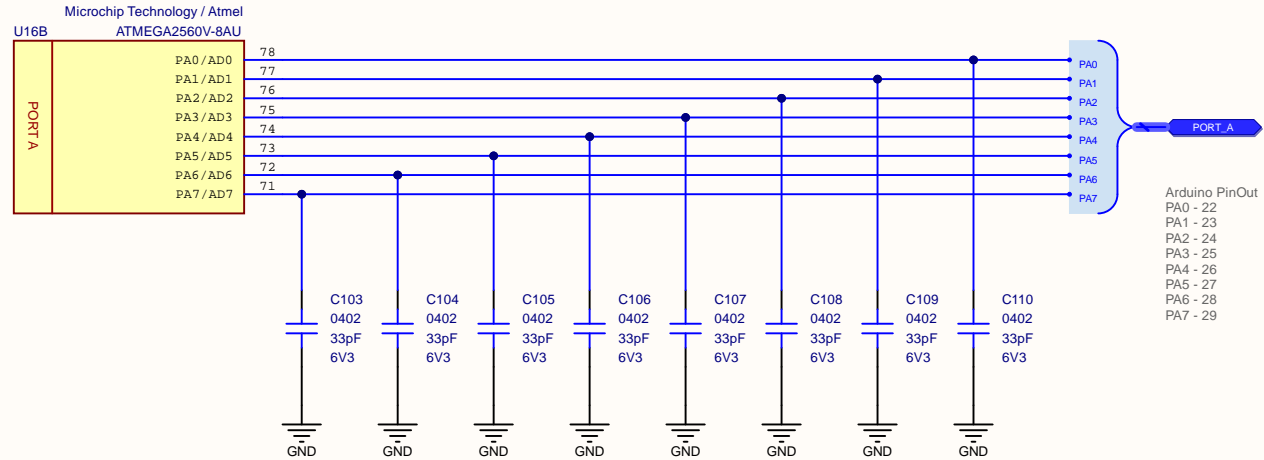
Crystal Oscillator




Master MicroController ICSP

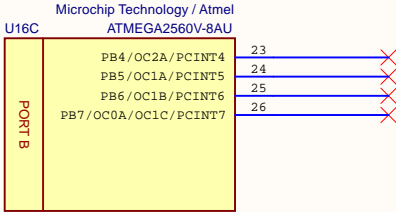
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Size: A4	Number:	Revision: B100AA		
Date: 5.01.2021	Time: 14:57:36	Sheet 14 of 40		
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Master MicroController A Port



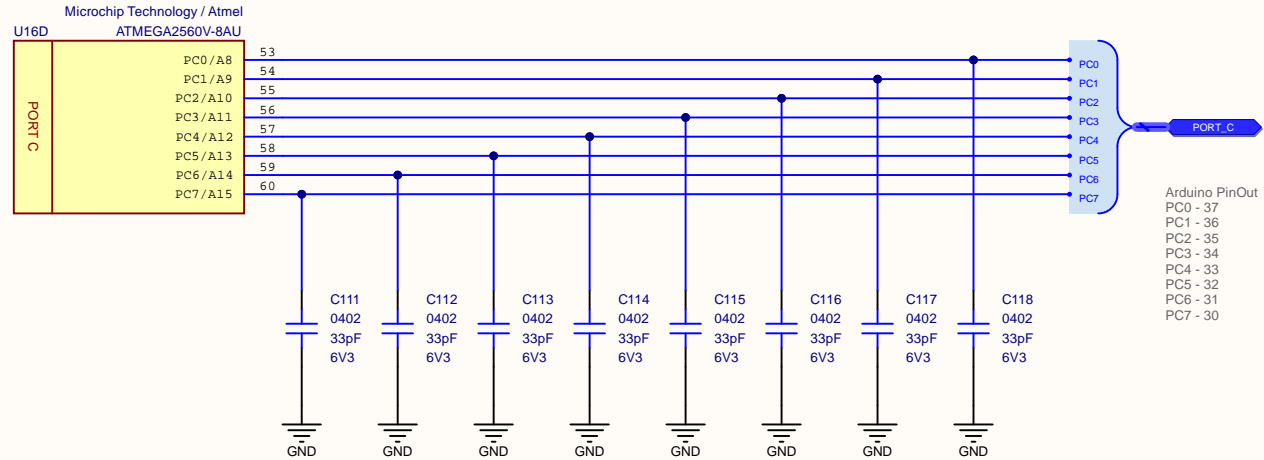
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Size: A4	Number:	Revision: B100AA		
Date: 5.01.2021	Time: 14:57:36	Sheet 15 of 40		
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Master MicroController B Port

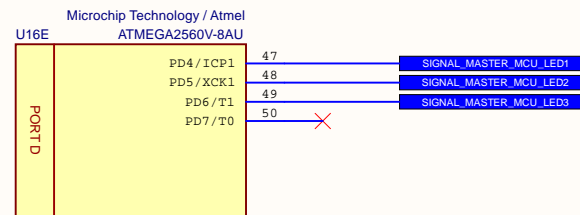



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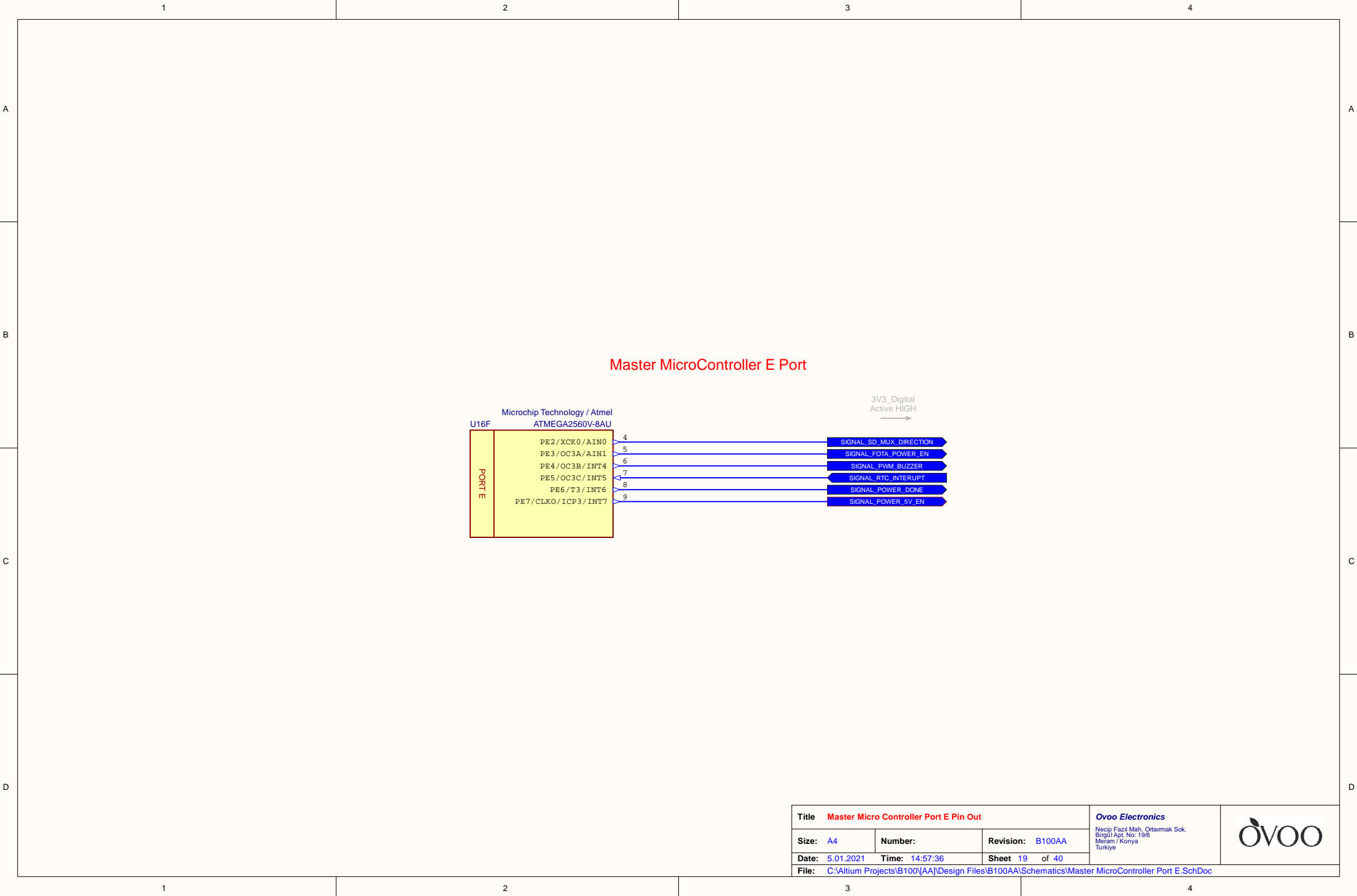
Master MicroController C Port



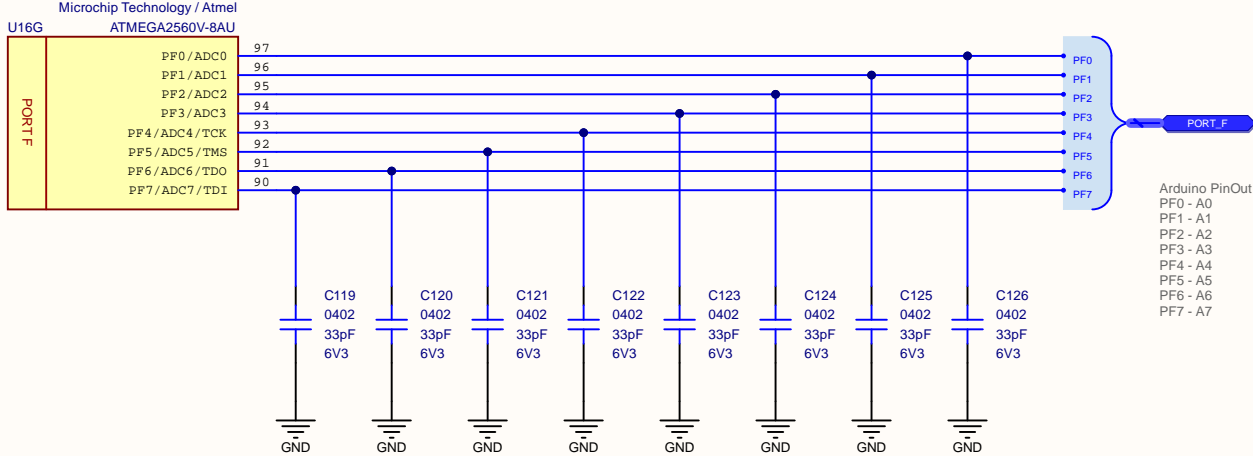
Title Master Micro Controller Port C Pin Out			Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bırgölü Apt. No: 19/6 Meram / Konya Turkey	
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Date: 5.01.2021	Time: 14:57:36	Sheet 17 of 40		
File: C:\Altium Projects\B100\AA\Design Files\B100AA\Schematics\Master MicroController Port C.SchDoc				




Title Master Micro Controller Port D Pin Out			Ovoo Electronics Necip Fazıl Mah, Ortasmak Sok. Bırgölü Apt. No: 19/6 Meram / Konya Türkiye	
Size: A4	Number:	Revision: B100AA		
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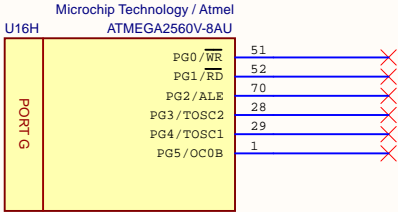


Master MicroController F Port

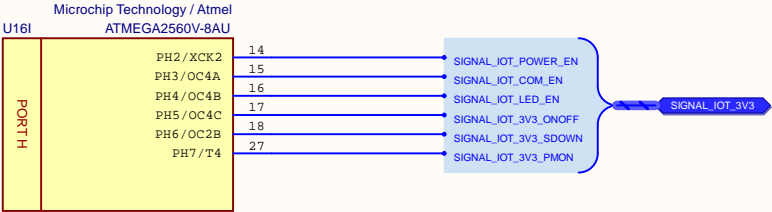



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Date: 5.01.2021	Time: 14:57:36	Sheet 20 of 40		
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Master MicroController G Port

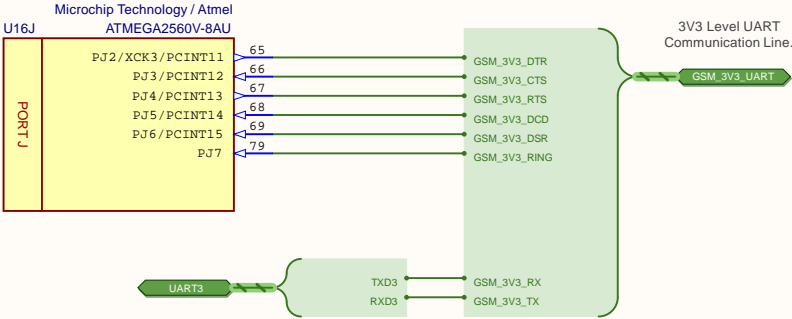



Master MicroController H Port



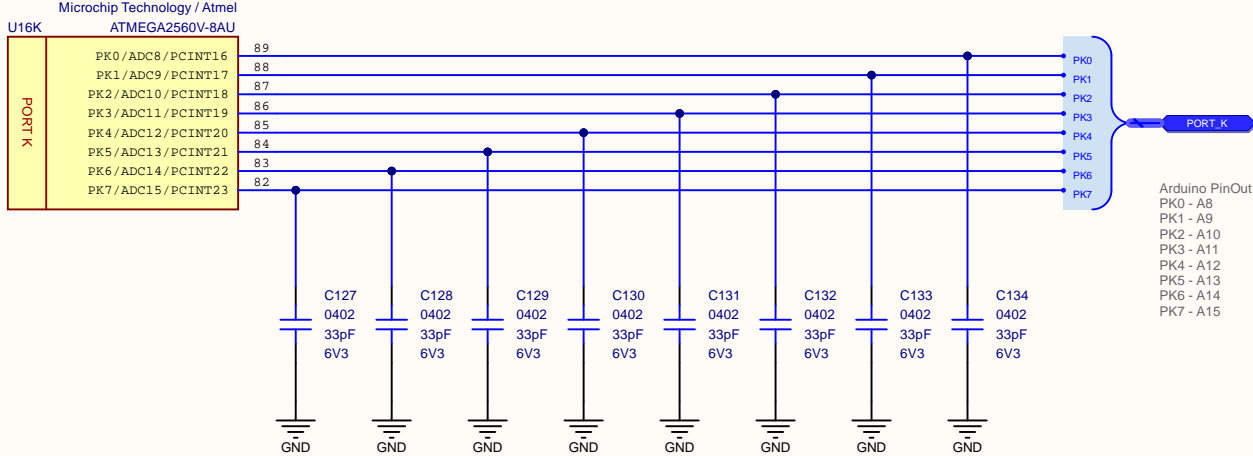
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Date: 5.01.2021	Time: 14:57:36	Sheet 22 of 40		
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GSM IoT Communication Pins



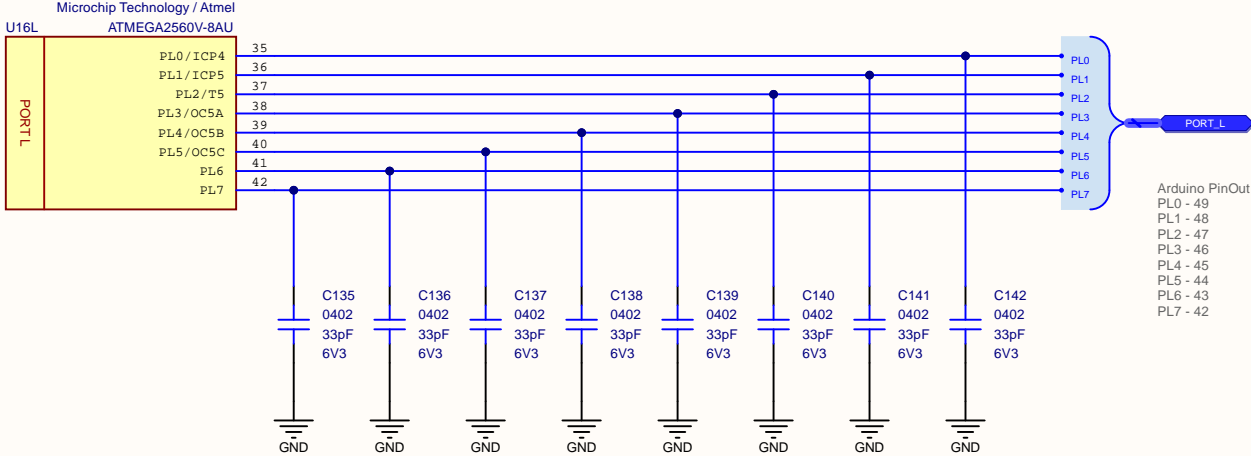
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Size: A4	Number:	Revision: B100AA		
Date: 5.01.2021	Time: 14:57:36	Sheet 23 of 40		
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Master MicroController K Port



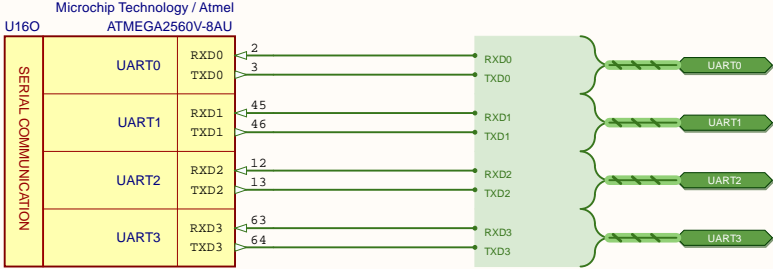
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Date: 5.01.2021	Time: 14:57:36	Sheet 24 of 40		
File: C:\Altium Projects\B100\AA\Design Files\B100AA\Schematics\Master MicroController Port K.SchDoc				

Master MicroController L Port




Title Master Micro Controller Port L Pin Out			Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bırgölü Apt. No: 19/6 Meram / Konya Türkiye	
Size: A4	Number:	Revision: B100AA		
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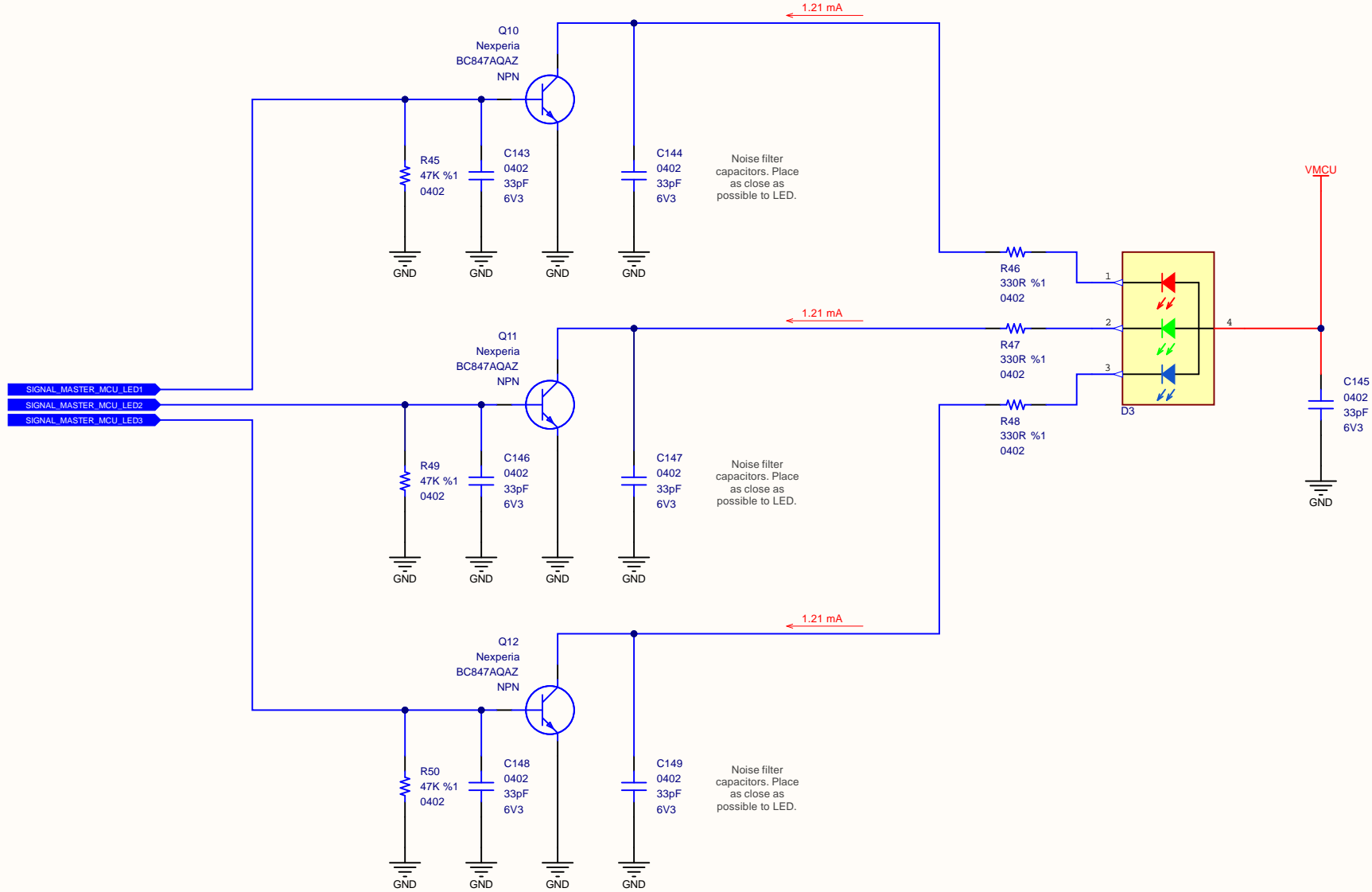
Communication Ports





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Size: A4	Number:	Revision: B100AA		
Date: 5.01.2021	Time: 14:57:36	Sheet 27 of 40		
File: C:\Altium Projects\B100\AA\Design Files\B100AA\Schematics\Master MicroController I2C Communication Port.SchDoc				

Main Microcontroller Status LED Indicators



Title **Master MicroController LED**

Size: **A4**

Number:

Revision: **B100AA**

Date: **5.01.2021**

Time: **14:57:36**

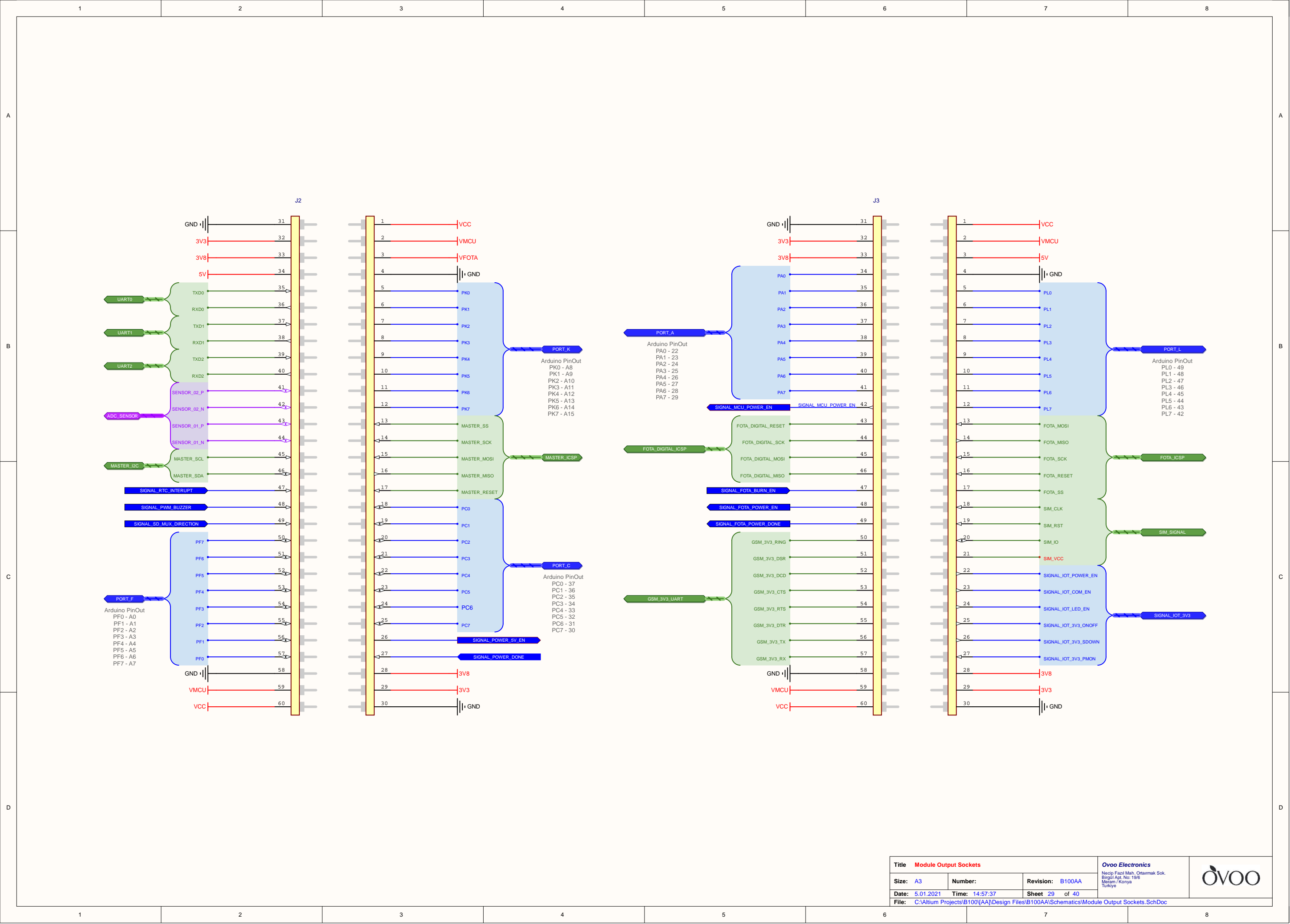
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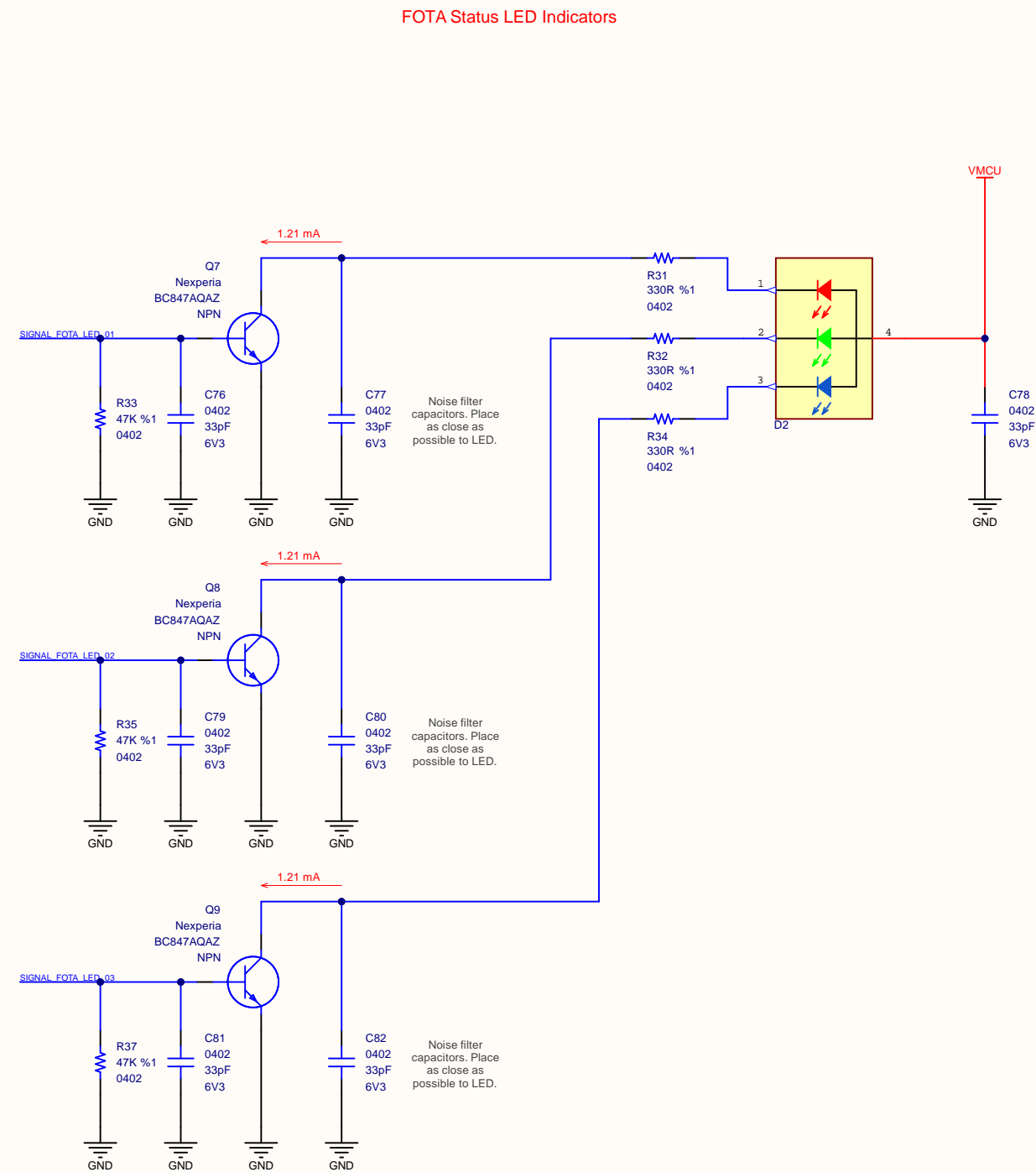
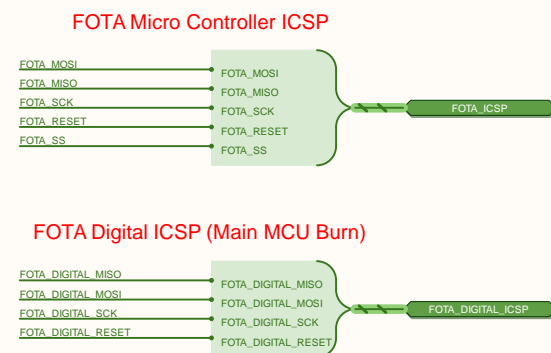
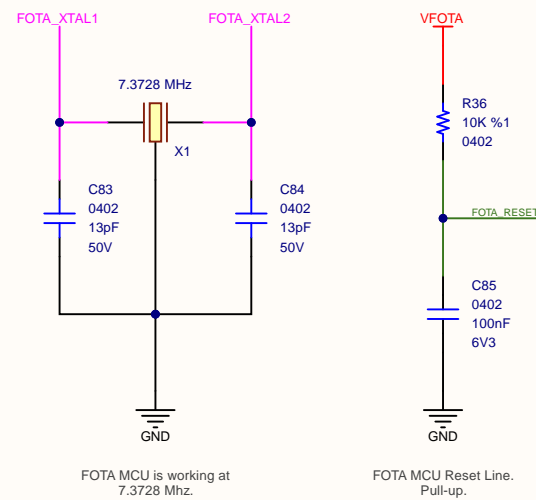
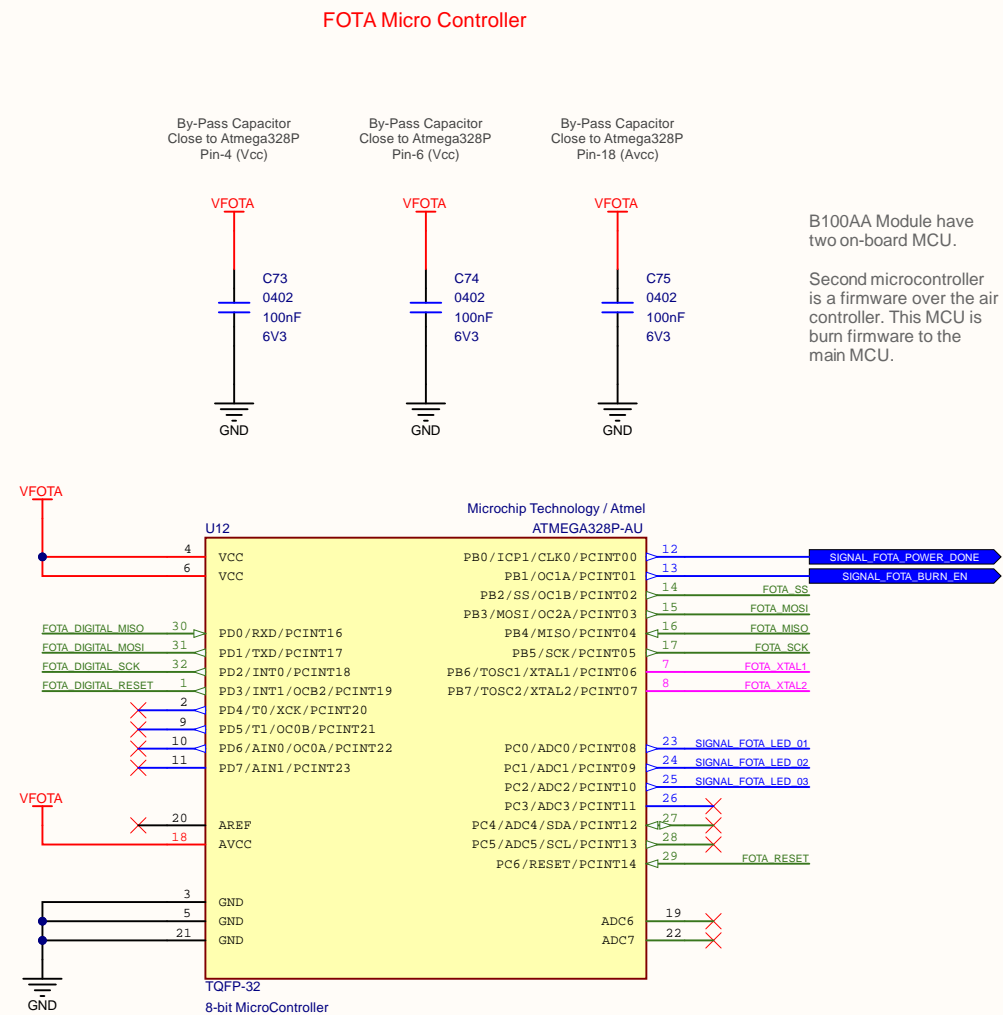
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Ovoo Electronics

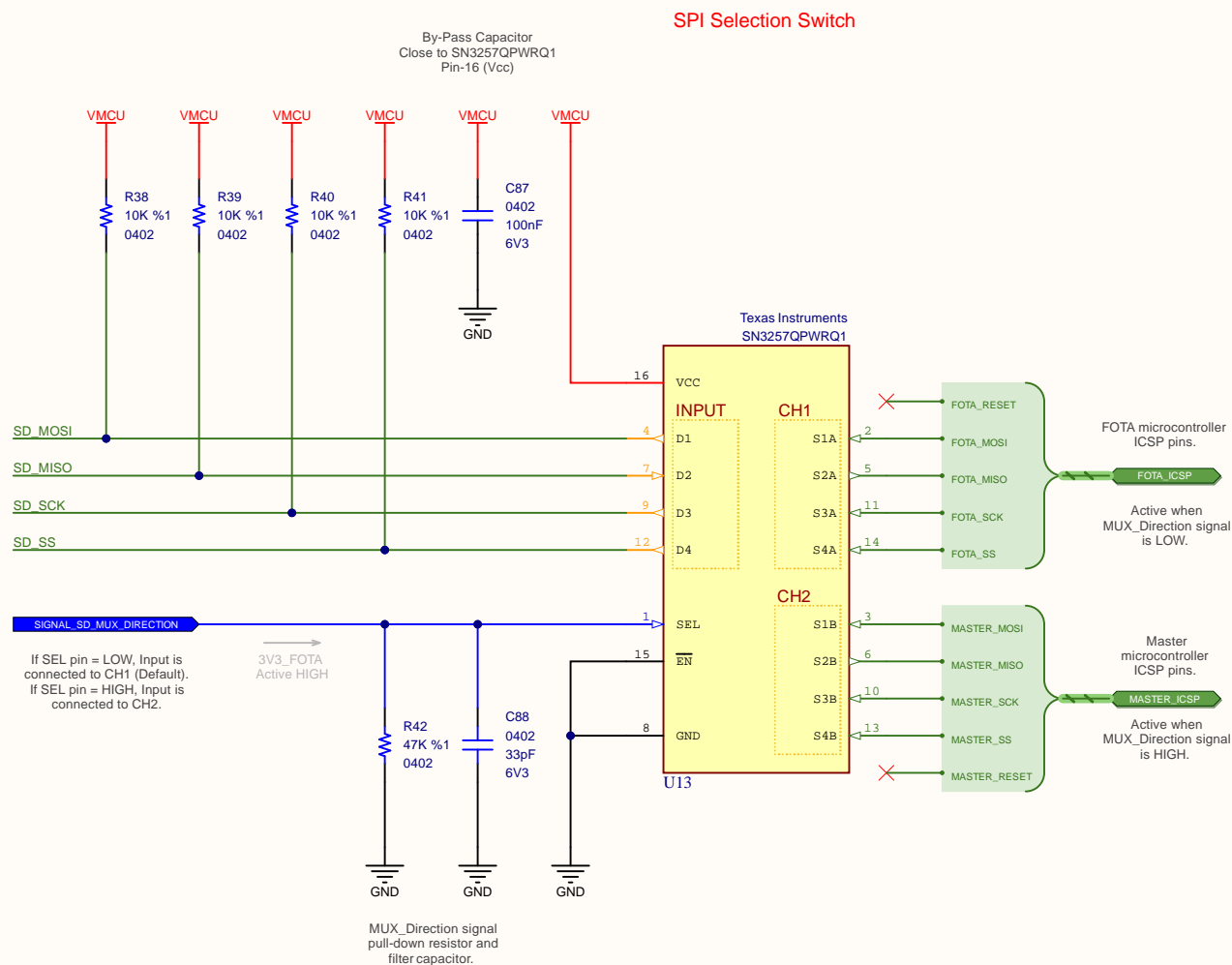
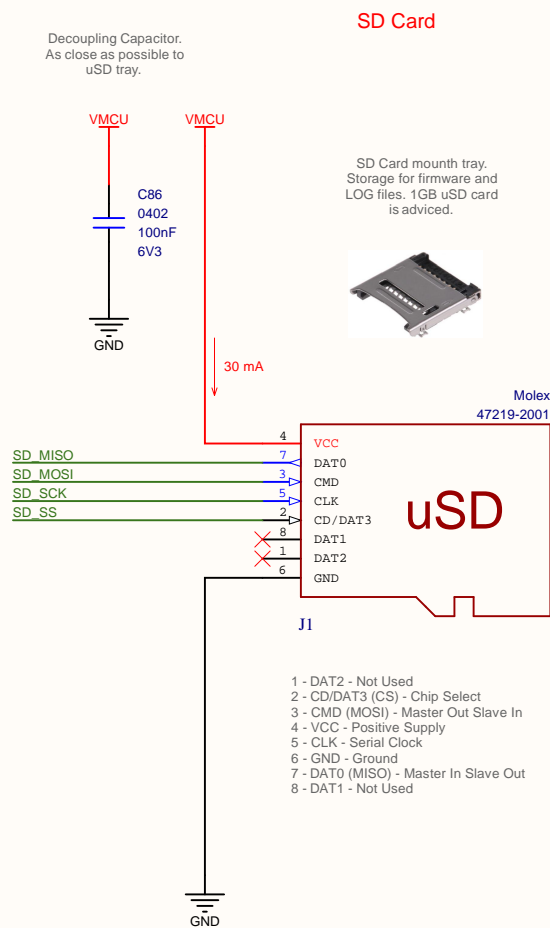
Necip Fazıl Mah. Ortarmak Sok.
Bırgölü Apt. No: 19/6
Meram / Konya
Türkiye






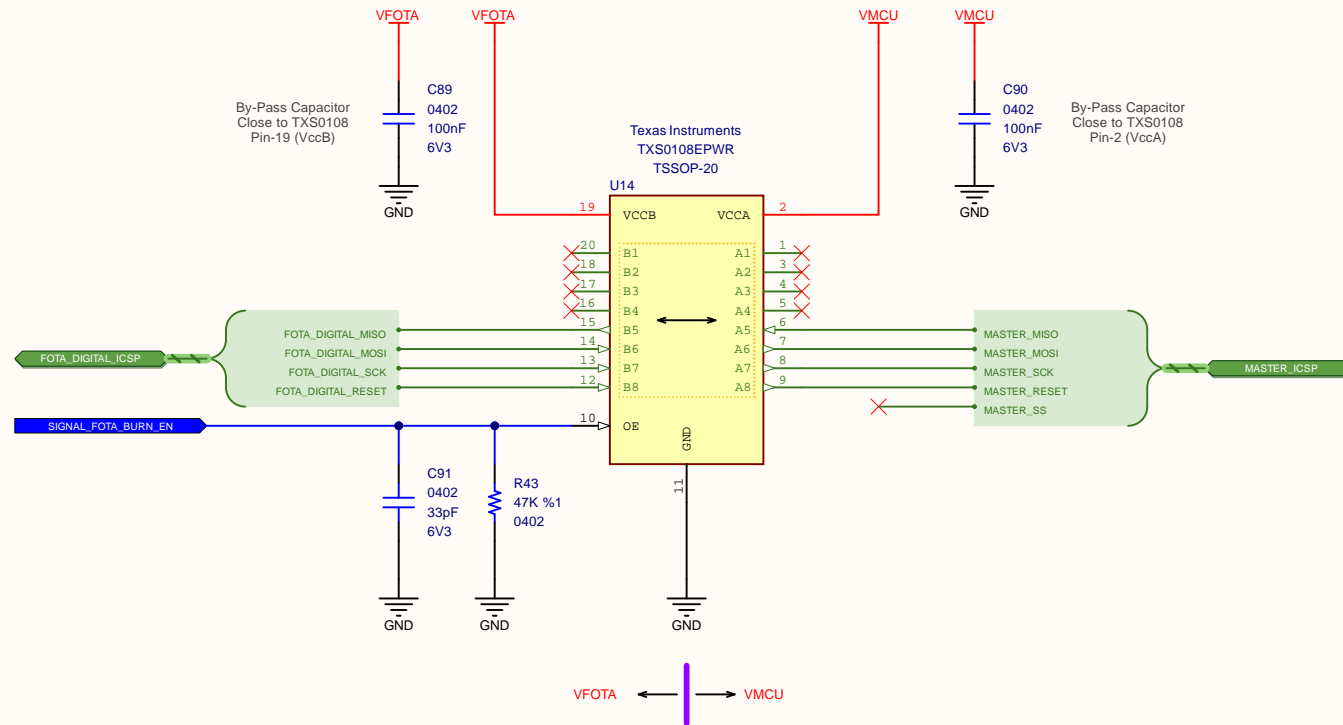


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Size: A3	Number:	Revision: B100AA			
Date: 5.01.2021	Time: 14:57:37	Sheet 31 of 40			
File: C:\Altium Projects\B100\AA\Design Files\B100AA\Schematics\FOTA MicroController.SchDoc					



Title SD Card & Select Switch			Ovoo Electronics Necip Fazıl Mah. Otaurmak Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye	
Size: A4	Number:	Revision: B100AA		
Date: 5.01.2021	Time: 14:57:37	Sheet 32 of 40		
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ICSP Burn Buffer



Title FOTA Burn Buffer

Size: A4

Number:

Revision: B100AA

Date: 5.01.2021

Time: 14:57:37

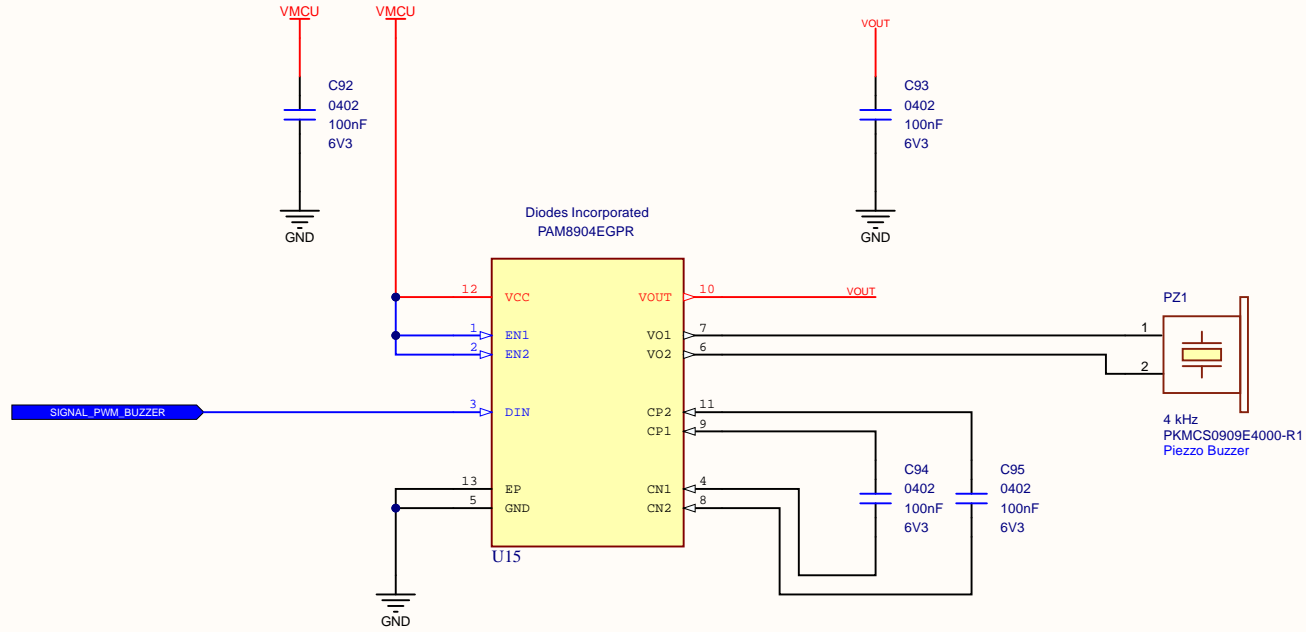
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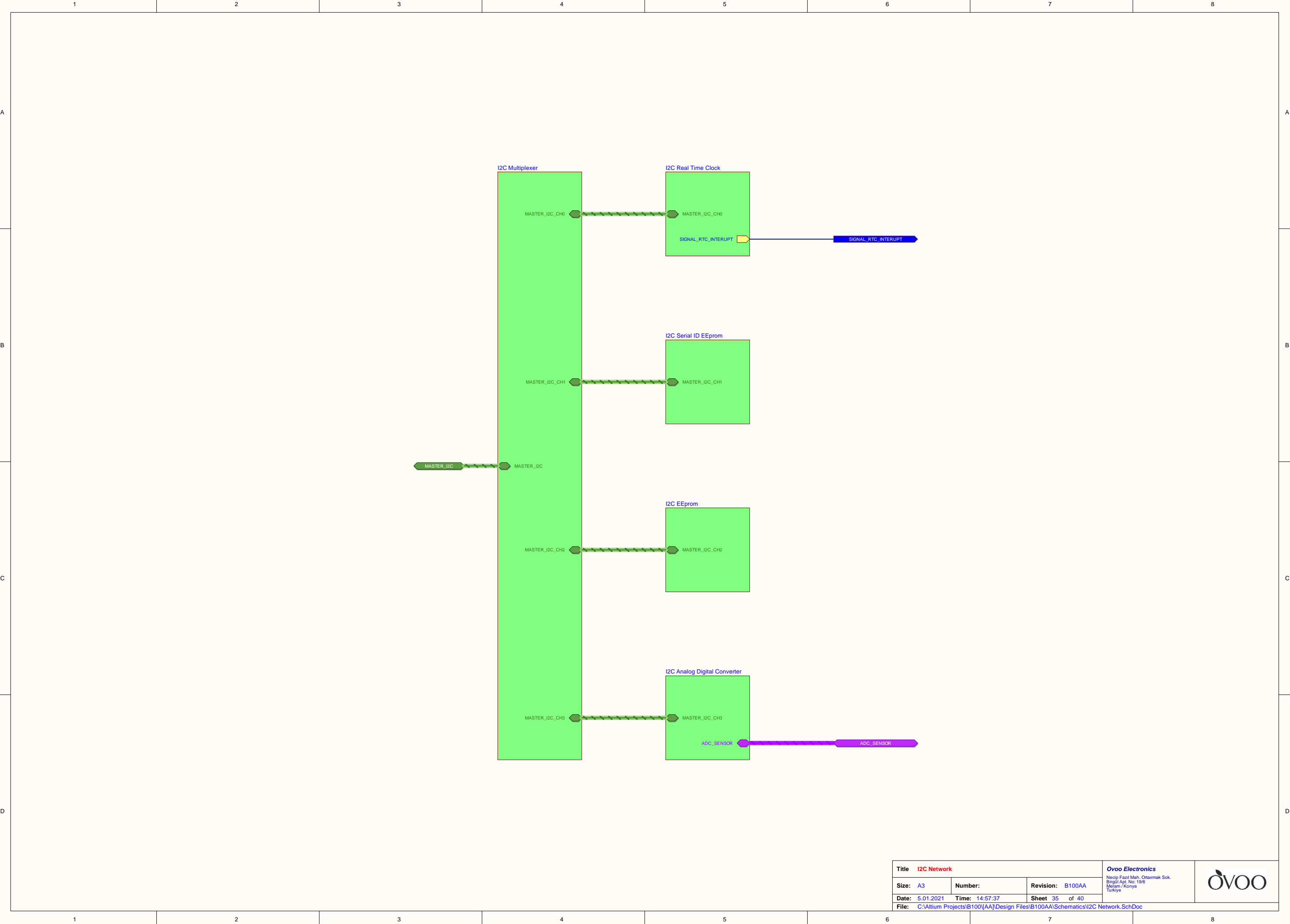
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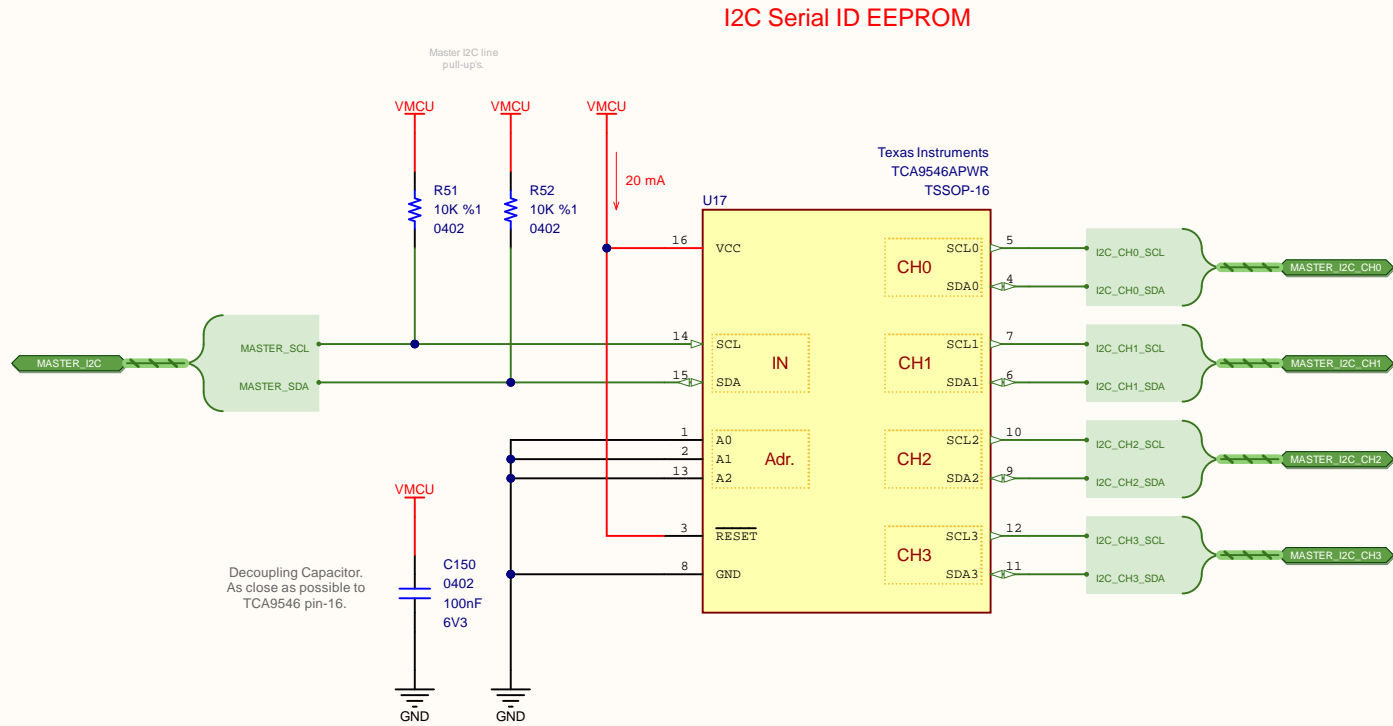
Necip Fazıl Mah. Ortarmak Sok.
Bırgöl Apt. No: 19/6
Meram / Konya
Türkiye


Piezzo Buzzer



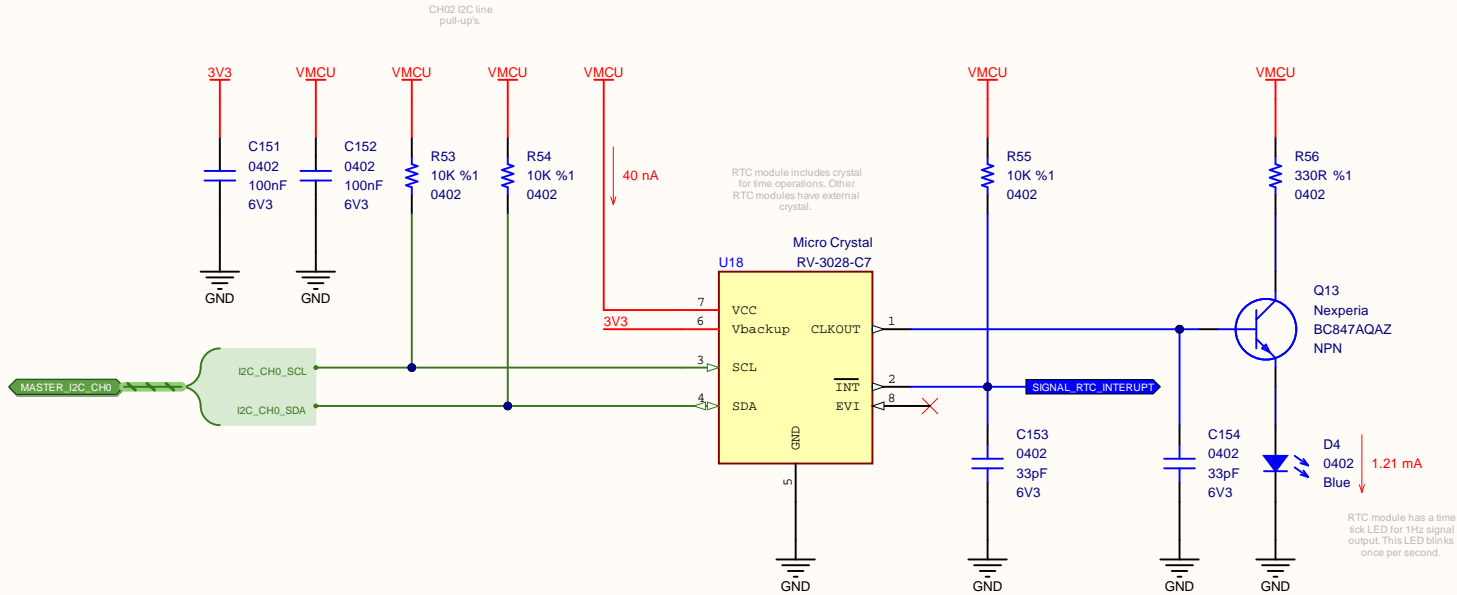
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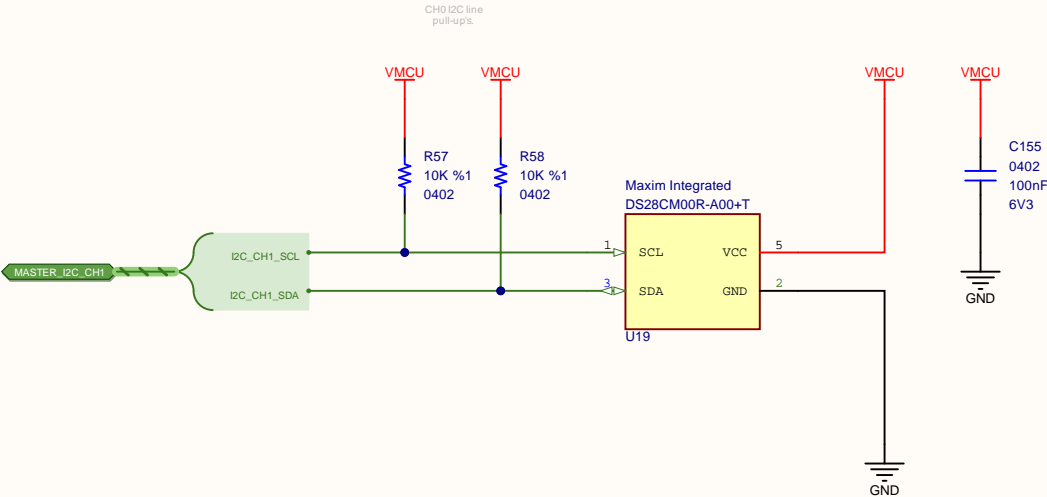



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Date: 5.01.2021	Time: 14:57:37	Sheet 35 of 40			
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Real Time Clock



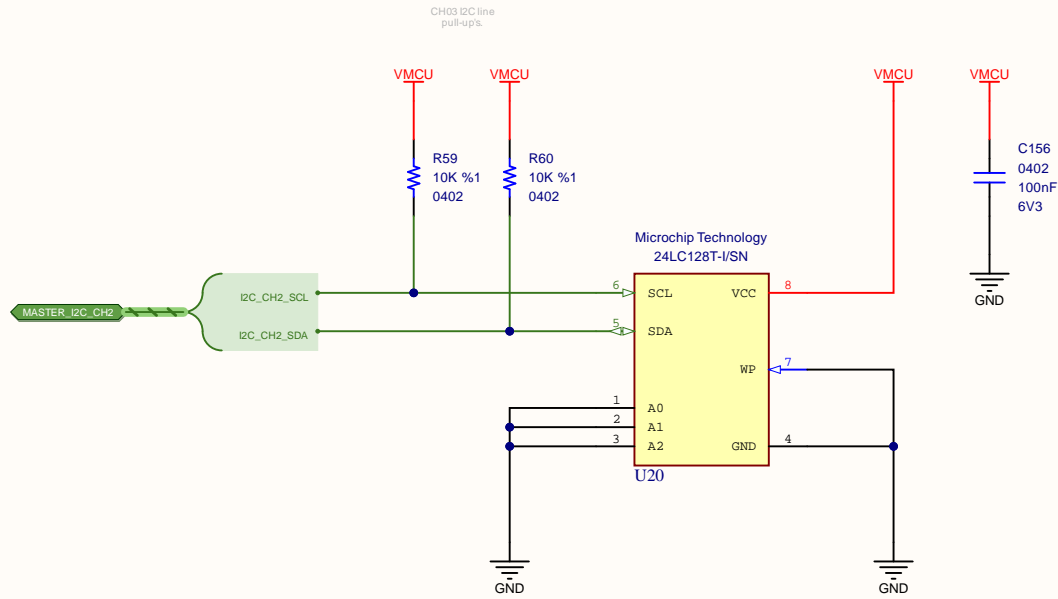
I2C Serial ID EEPROM



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Date: 5.01.2021	Time: 14:57:37	Sheet 37 of 40			
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EEPROM



Title I2C EEprom

Size: A4

Number:

Revision: B100AA

Date: 5.01.2021

Time: 14:57:37

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File: C:\Altium Projects\B100\AA\Design Files\B100AA\Schematics\EEPROM.SchDoc

Ovoo Electronics

Necip Fazıl Mah. Ortarmak Sok.
Bırgölü Apt. No: 19/6
Meram / Konya
Türkiye



