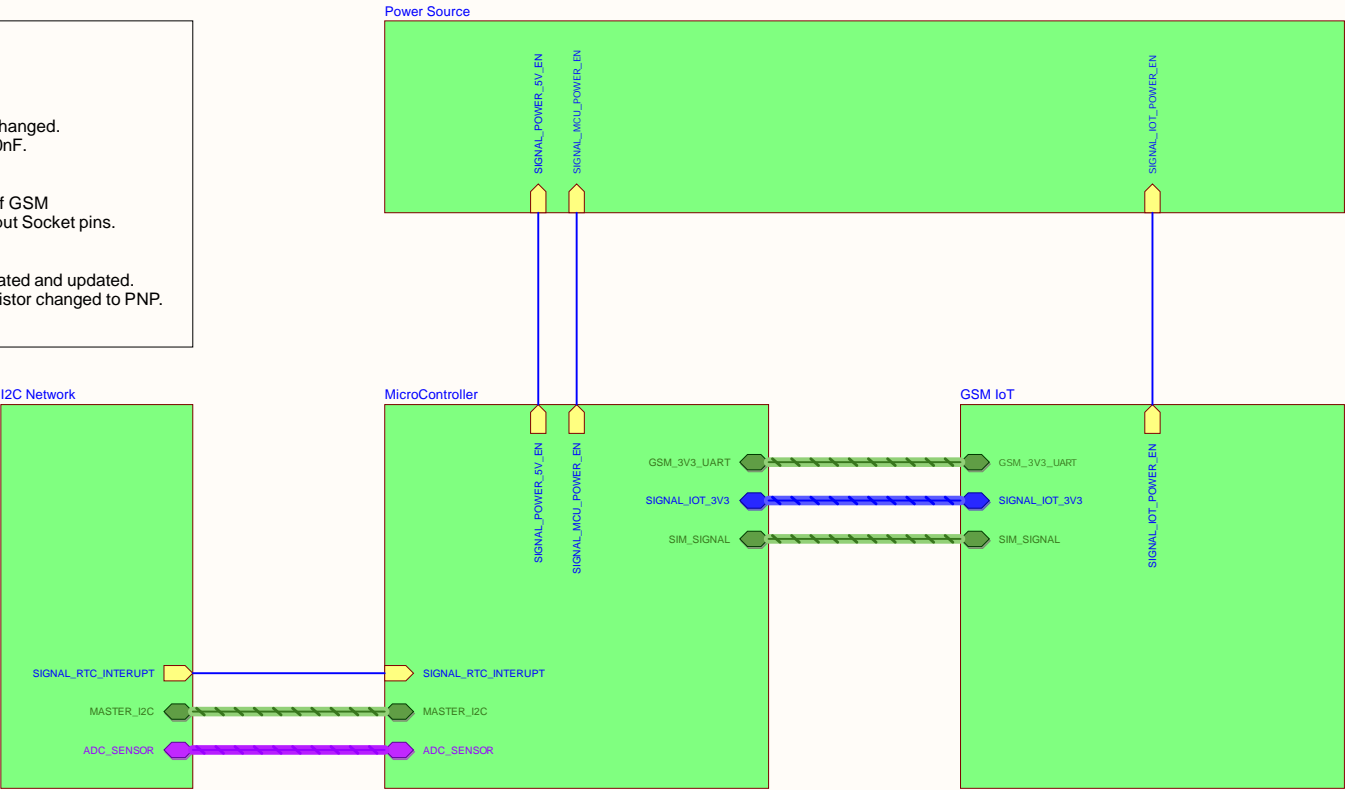


# B100 - Master IoT MicroController

## Revision History

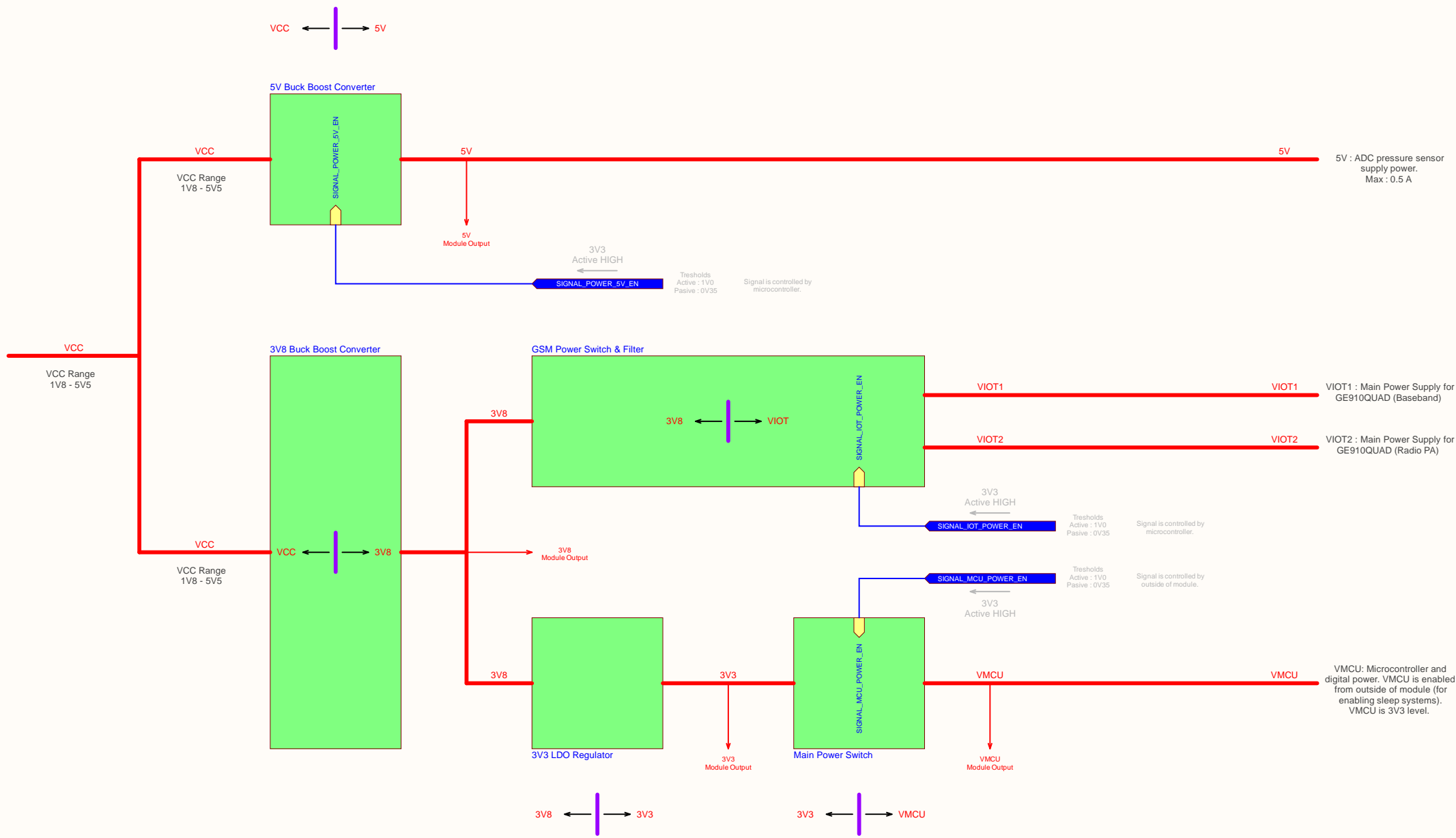
- AA001 (05.01.2021)  
\* Schematic creation.
- AA002 (11.01.2021)  
\* Bidirectional signal translator IC changed.  
\* SIM Vcc capacitor changed to 100nF.
- AA003 (19.01.2021)  
\* 33 pF capacitor added to VAUX of GSM  
\* 33 pF capacitors added to all Output Socket pins.
- AA004 (22.01.2021)  
\* GSM IoT LED resistors are calculated and updated.  
\* GSM IoT LED power enable transistor changed to PNP.



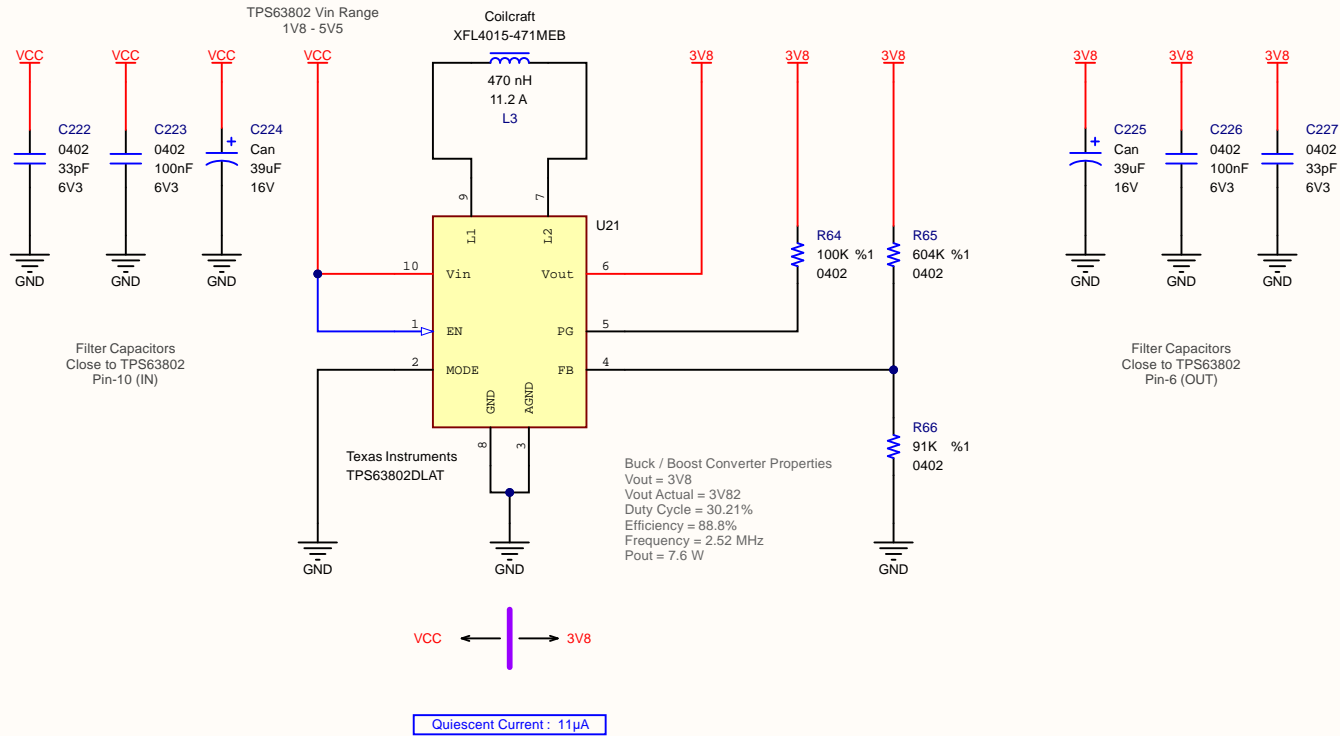
<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	Ovoo Electronics
Size: A4				Customer	-	Necip Fazıl Mah. Ortam Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300
Project : GSM Iot Based Plug&Play SOM				Product ID	-	
Date: 3.03.2021				Module ID	B100	
Time: 15:05:01				Version	AA	
Sheet 1 of 54				Revision	R06	
File: B100 Block Diagram.SchDoc						

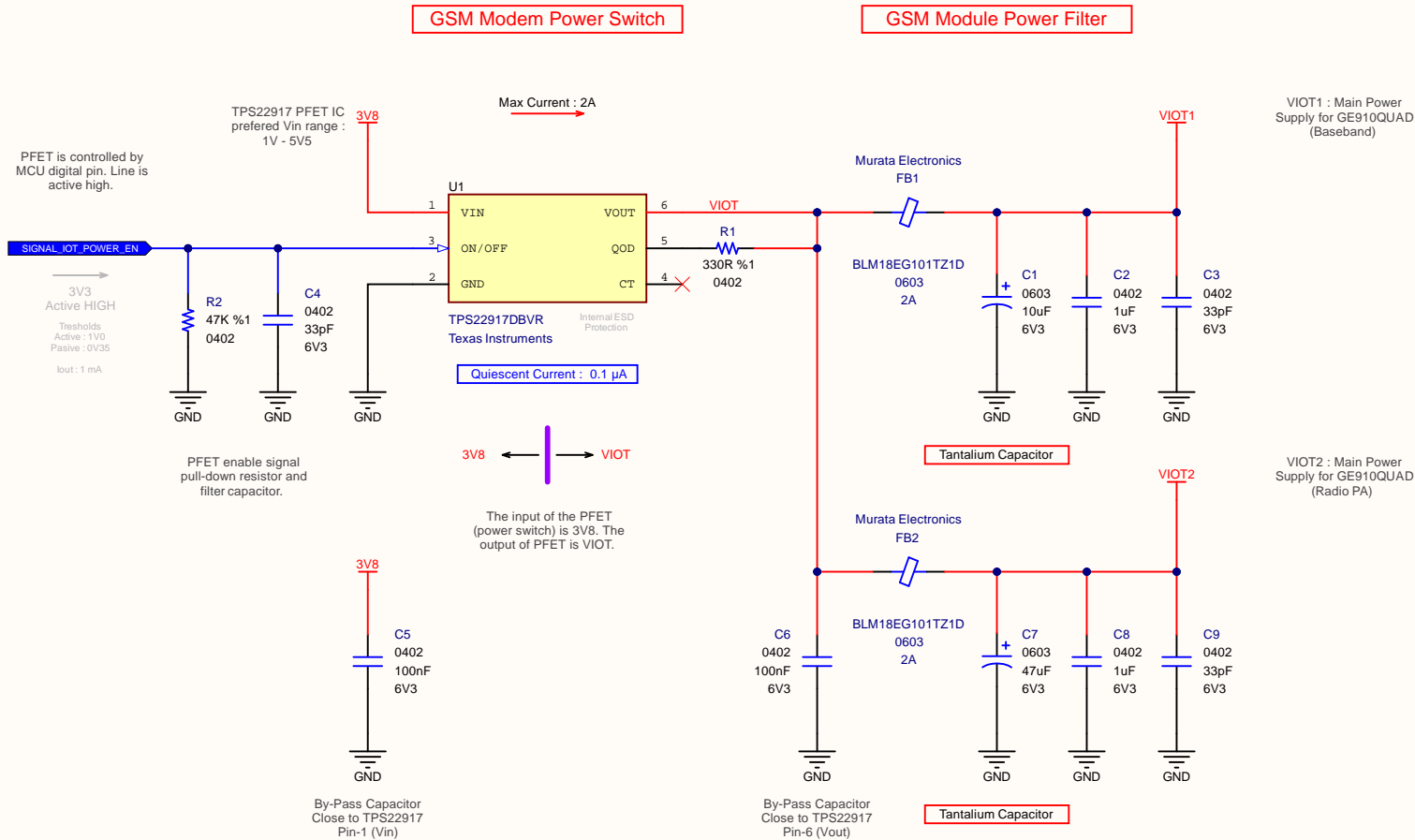





## 3V8 Buck Boost Converter

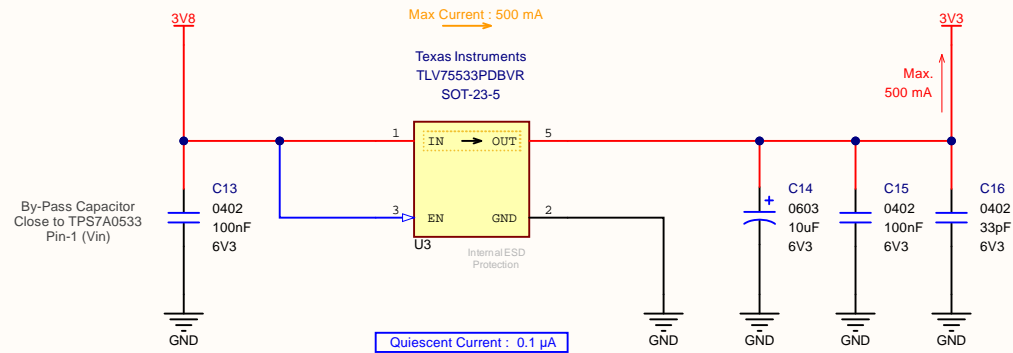


Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bingül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size:	A4	Project :	GSM IoT Based Plug&Play SOM	Customer	-		
Date:	3.03.2021	Time:	15:05:01	Product ID	-		
File:	3V8 Buck Boost Converter.SchDoc	Sheet	3 of 54	Module ID	B100		
				Version	AA		
				Revision	R06		

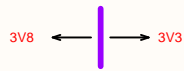
<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortanmak Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size:	A4	Project :	GSM Iot Based Plug&Play SOM	Customer	-		
Date:	3.03.2021	Time:	15:05:01	Product ID	-		
File:	GSM Power.SchDoc	Sheet	4 of 54	Module ID	B100		
		Version	AA	Revision	R06		

### 3V3 LDO Regulator



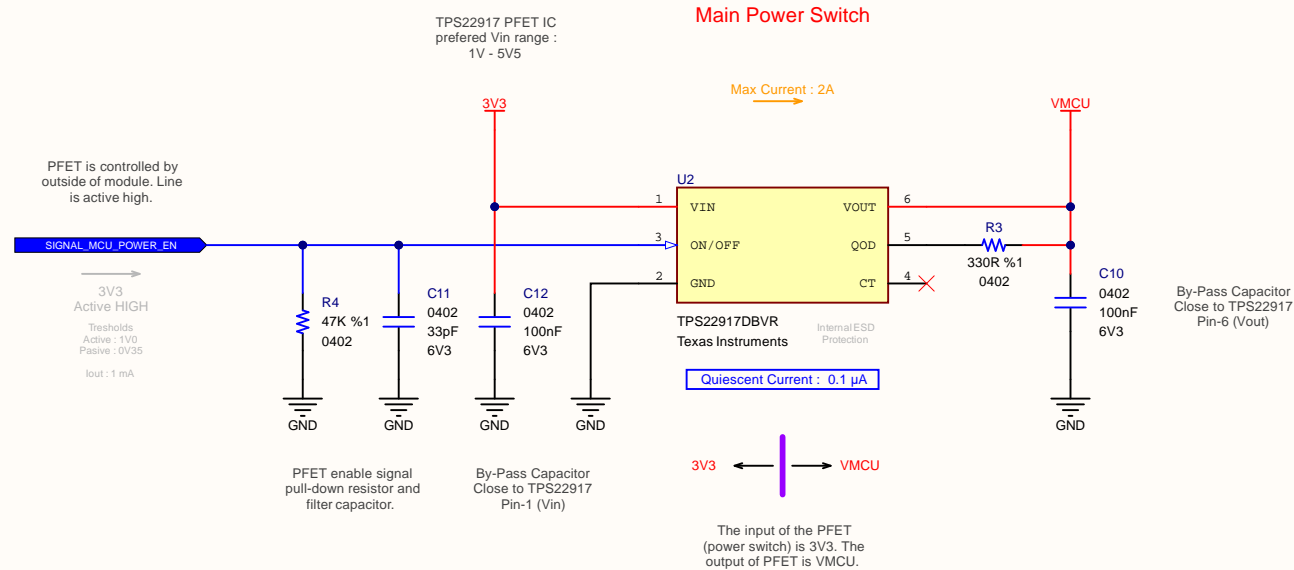
Quiescent Current : 0.1  $\mu$ A




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

<https://www.github.com/akkoyun/B100>

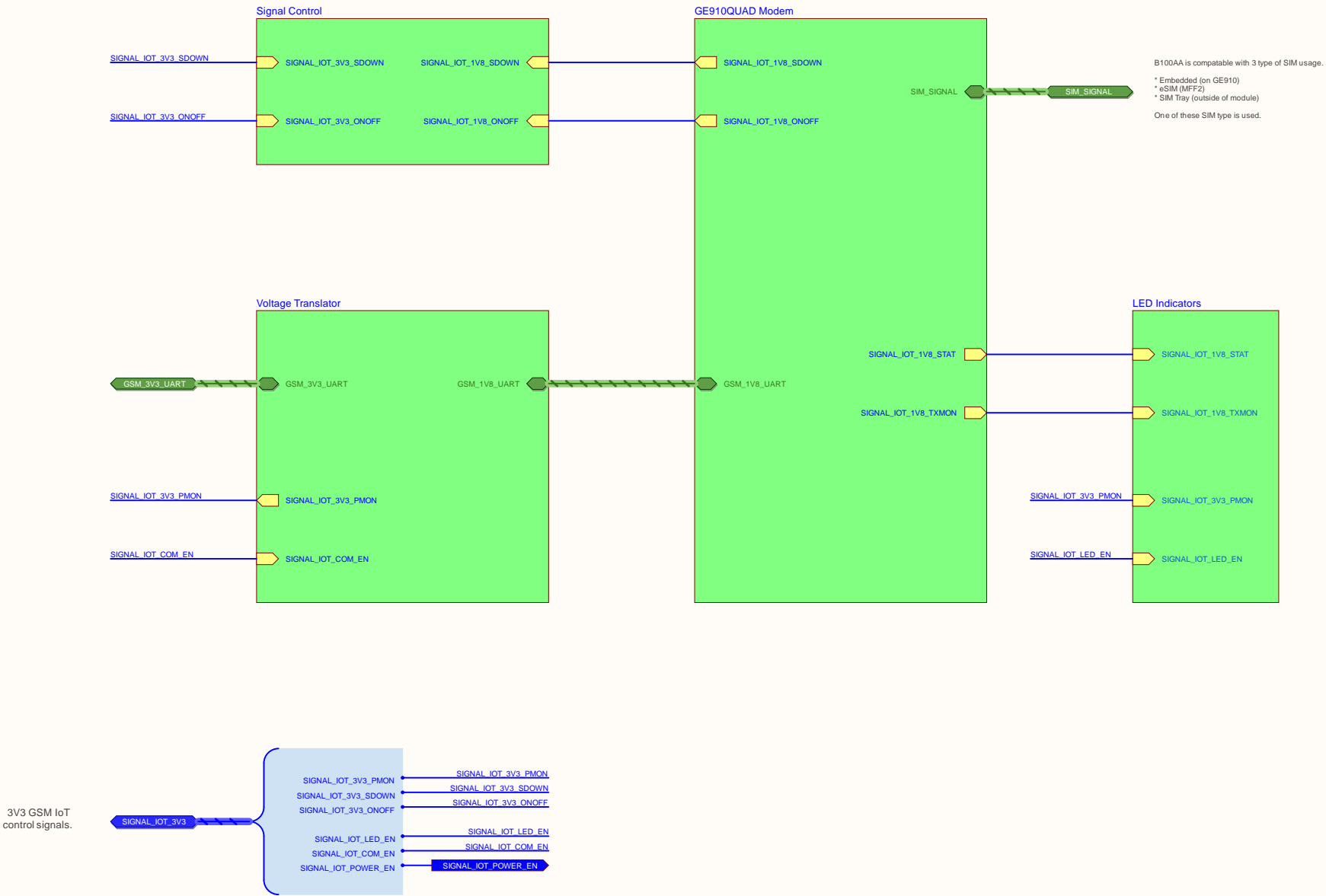
Power Source Segment Block Diagram				Engineer Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bingül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300
Size: A4	Project : GSM IoT Based Plug&Play SOM			Customer -	
Date: 3.03.2021	Time: 15:05:01	Sheet 5 of 54		Product ID -	
File: 3V3 LDO Regulator.SchDoc				Module ID B100	
				Version AA	
				Revision R06	

<https://www.github.com/akkoyun/B100>


Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortanmak Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
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Date: 3.03.2021		Time: 15:05:02		Product ID	-		
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				Version	AA		
				Revision	R06		



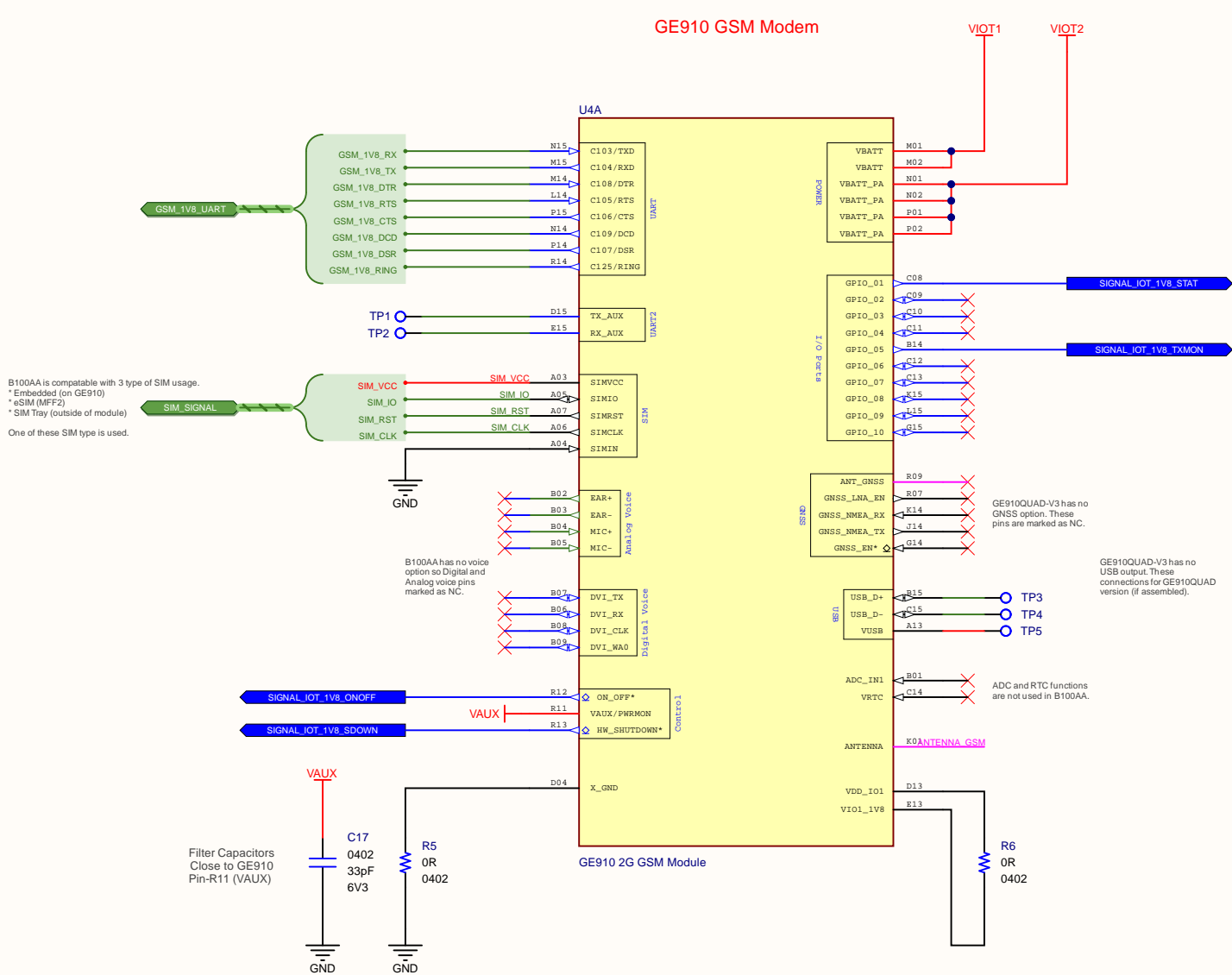
GSM IoT Communication Layer



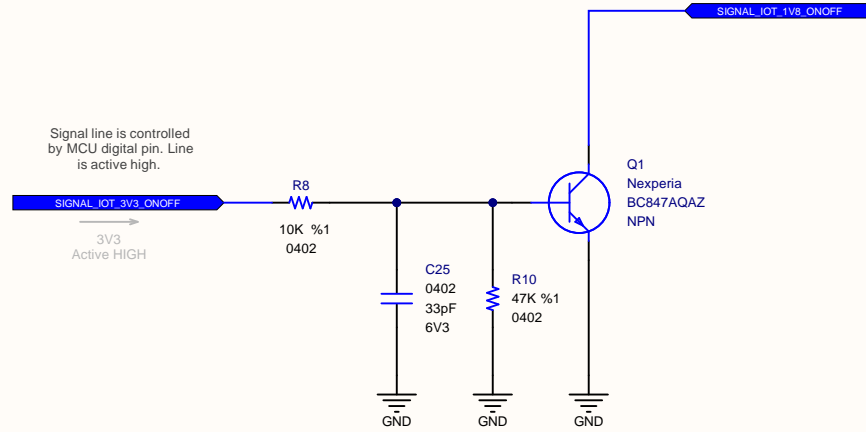
3V3 GSM IoT control signals.

Power Source Segment Block Diagram				Engineer		Mehmet Günce Akkoyun		<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortairmak Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye</div> <div>+90 506 7444300</div> <div></div>
				Customer		-		
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				Revision		R06		

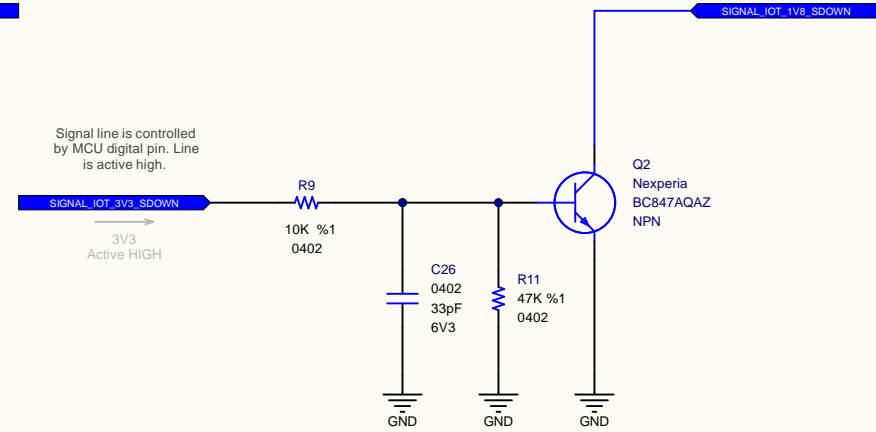





## GSM Module On/Off Signal

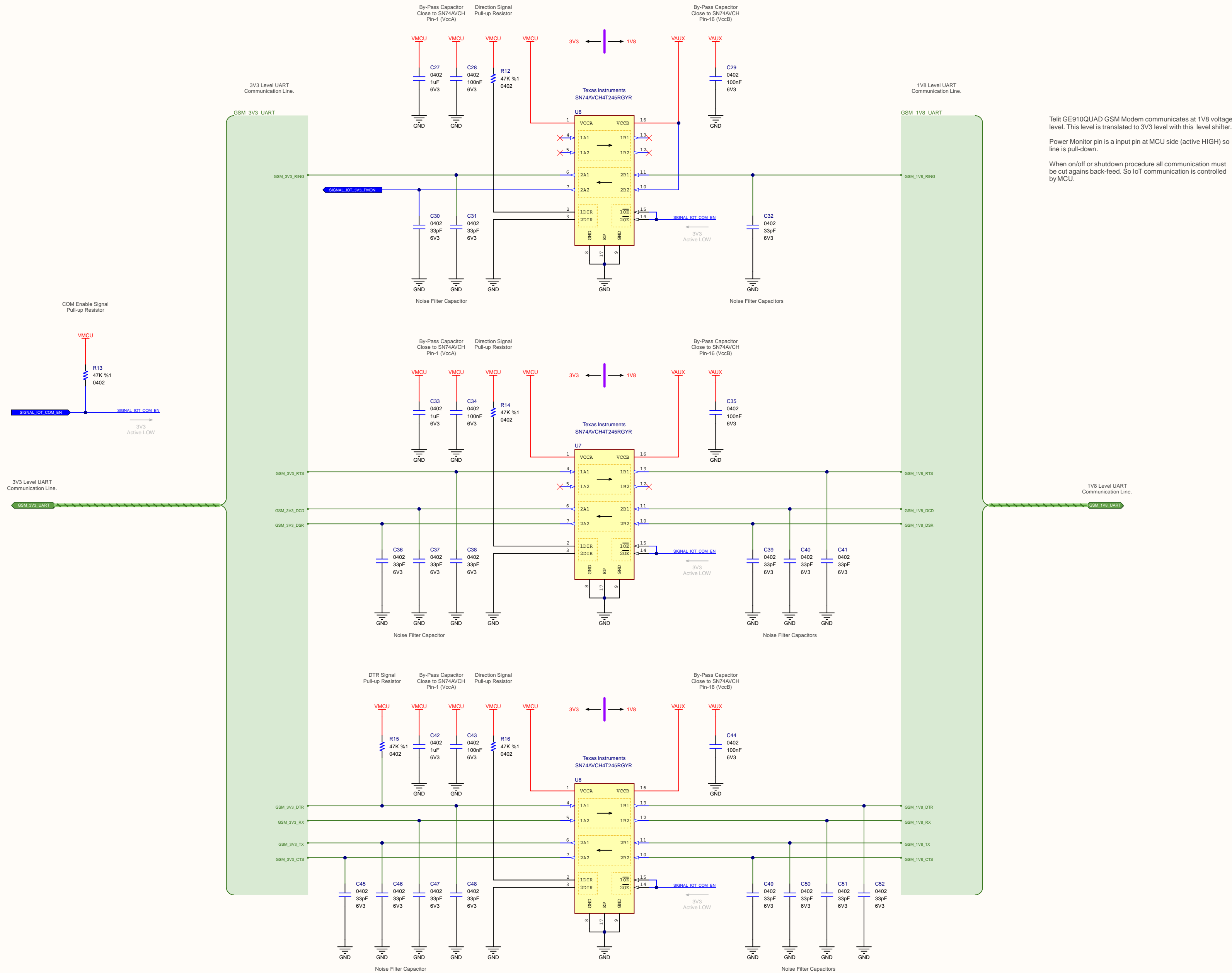


## GSM Module Shut Down Signal

<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram			Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
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Date:	3.03.2021	Time:	15:05:02	Product ID	-	
File:	GSM Signal Control.SchDoc	Sheet	10 of 54	Module ID	B100	
				Version	AA	
				Revision	R06	

BiDirectional Level Shifter

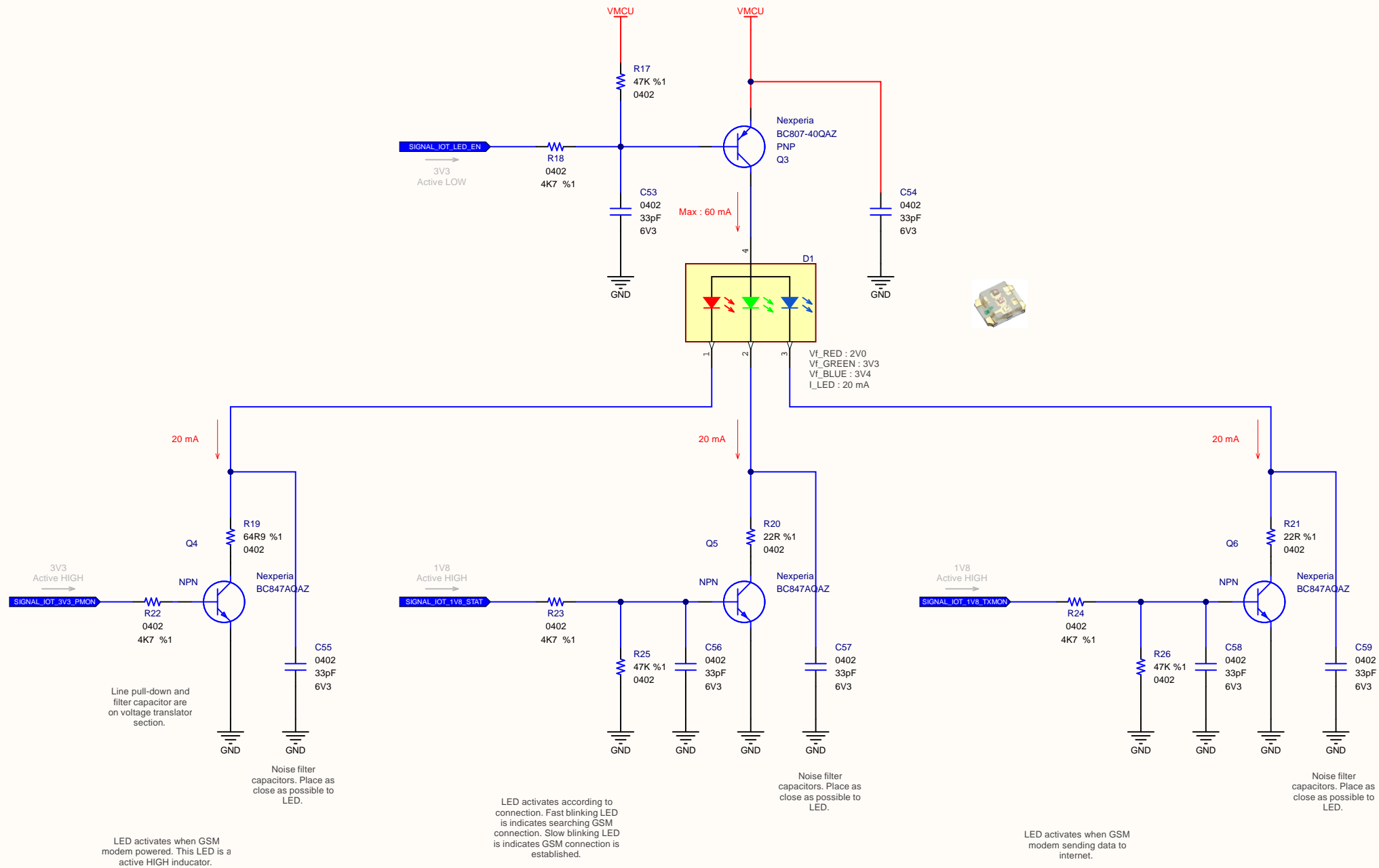



Telit GE910QUAD GSM Modem communicates at 1V8 voltage level. This level is translated to 3V3 level with this level shifter.

Power Monitor pin is a input pin at MCU side (active HIGH) so line is pull-down.

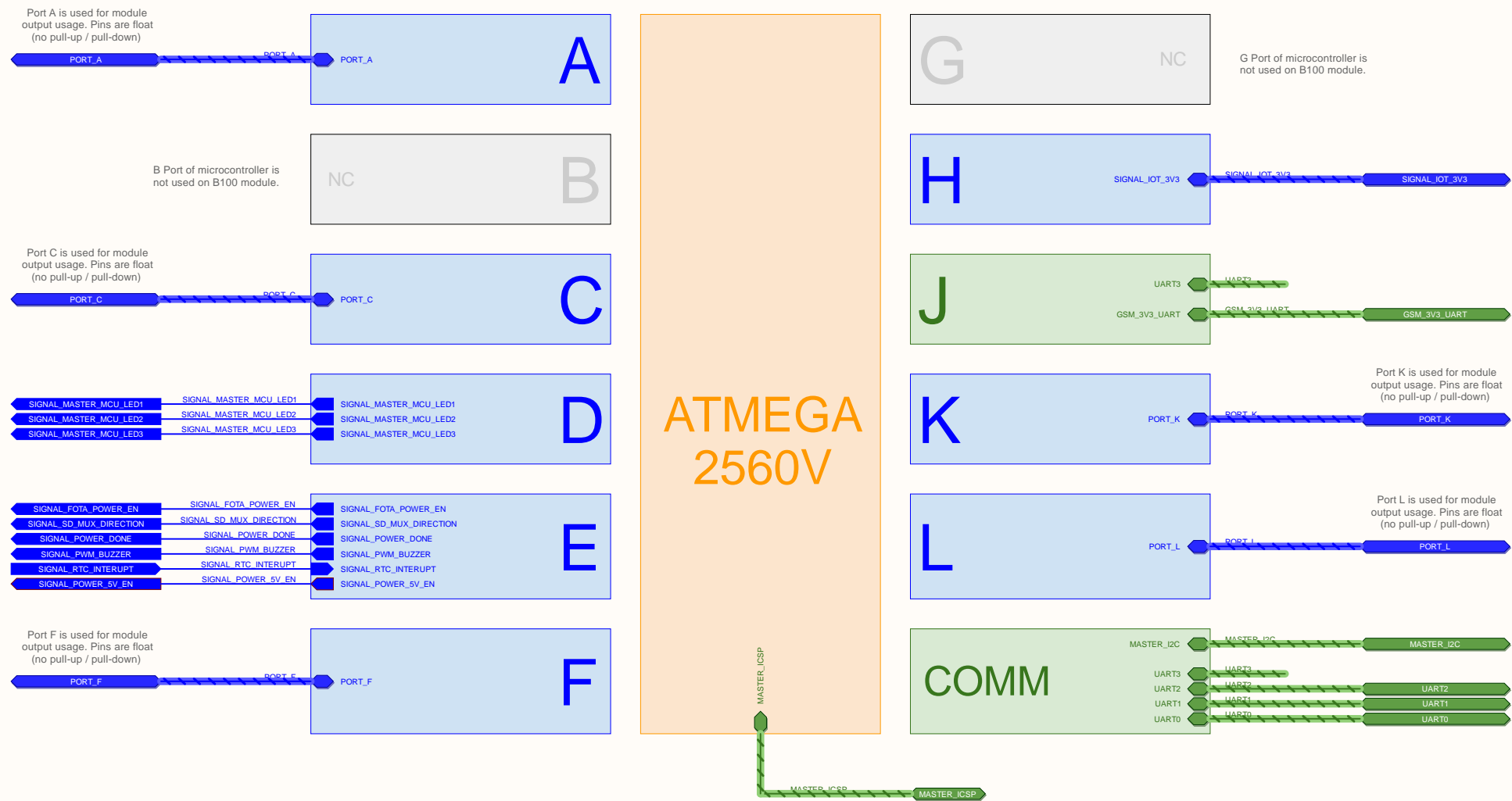
When on/off or shutdown procedure all communication must be cut agains back-feed. So IoT communication is controlled by MCU.

GSM IoT LED Indicators

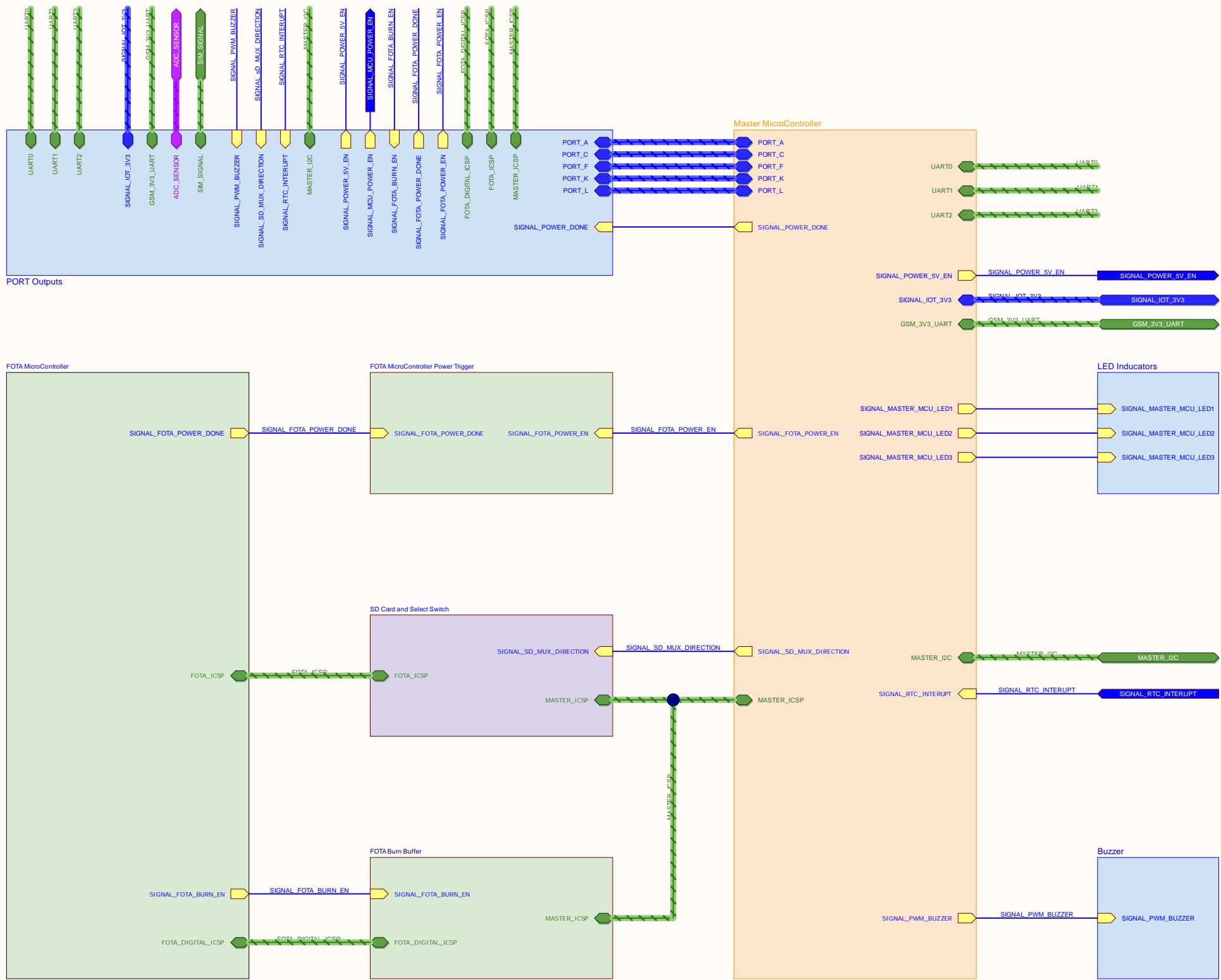



Power Source Segment Block Diagram				Engineer		Mehmet Güncü Akkoyun		<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortamkalk Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye</div> <div>+90 506 7444300</div> <div></div>
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Date: 3.03.2021		Time: 15:05:02		Module ID		B100		
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				Revision		R06		

# Master MicroController



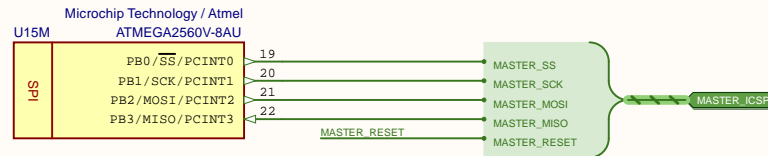
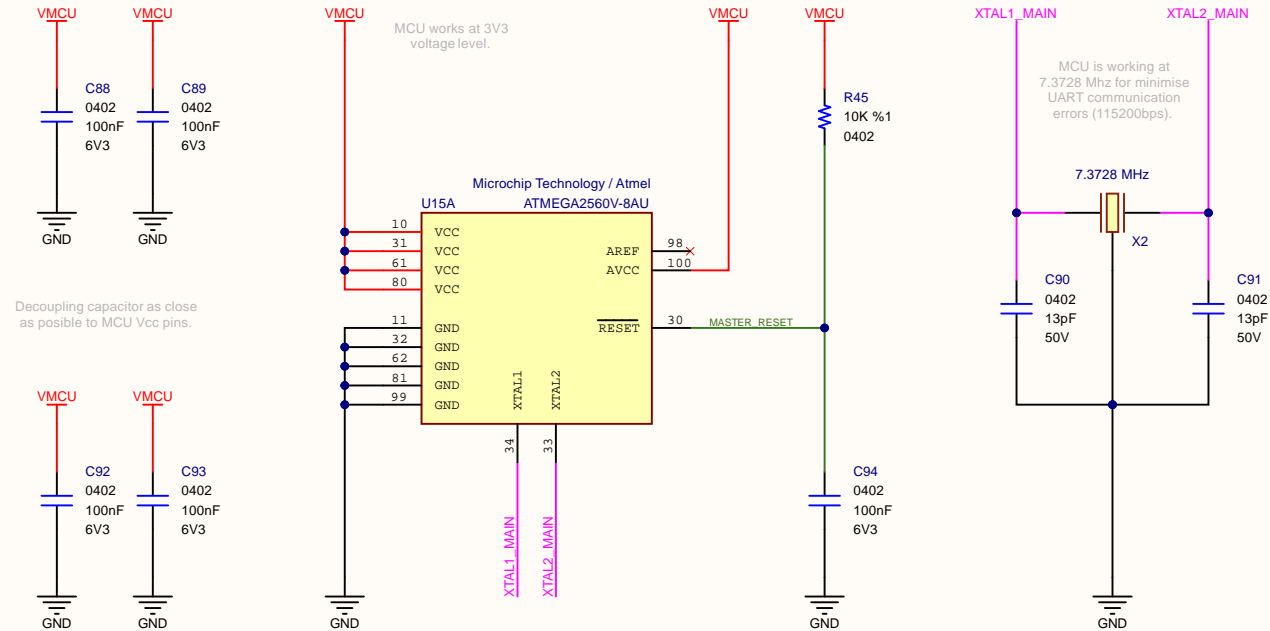
# B100 MicroController



Power Source Segment Block Diagram				Engineer	MehmetGünce Akkoyun	Ovoo Electronics  Necip Fazil Mah. Ortarmak Sok. Birgül Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				Customer	-		
Size: A3	Project : GSM Iot Based Plug&Play SOM	Product ID	-				
		Module ID	B100				
		Version	AA				
Date: 3.03.2021	Time: 15:05:02	Sheet 14 of 54	Revision	R06			
File: MicroController.SchDoc							


## MicroController

## Crystal Oscillator

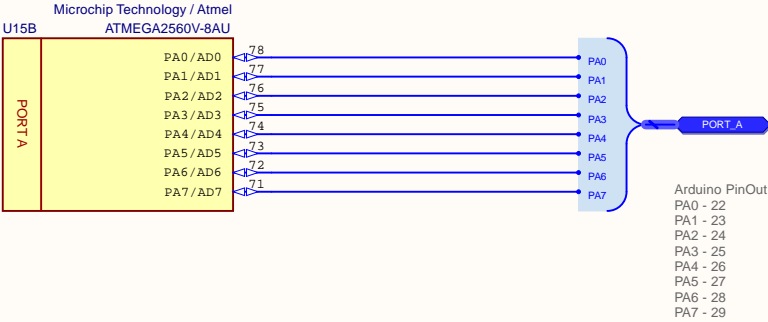



## Master MicroController ICSP

<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer MehmetGünce Akkoyun		Ovoo Electronics Necip Fazıl Mah. Ortanmak Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300			
Size: A4		Project : GSM Iot Based Plug&Play SOM		Customer -					
Date: 3.03.2021		Time: 15:05:02		Product ID -					
File: Master MicroController Core.SchDoc		Sheet 15 of 54		Module ID B100					
				Version AA					
				Revision R06					

Master MicroController A Port



Power Source Segment Block Diagram				Engineer	MehmetGünce Akkoyun	Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Turkey  +90 506 7444300	
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Size: A4    Project : GSM İot Based Plug&Play SOM				Product ID	-		
Date: 3.03.2021    Time: 15:05:03    Sheet 16 of 54				Module ID	B100		
File: Master MicroController Port A.SchDoc				Version	AA		
				Revision	R06		



A

B

C

D

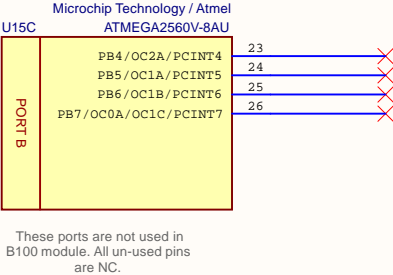
A


B

C

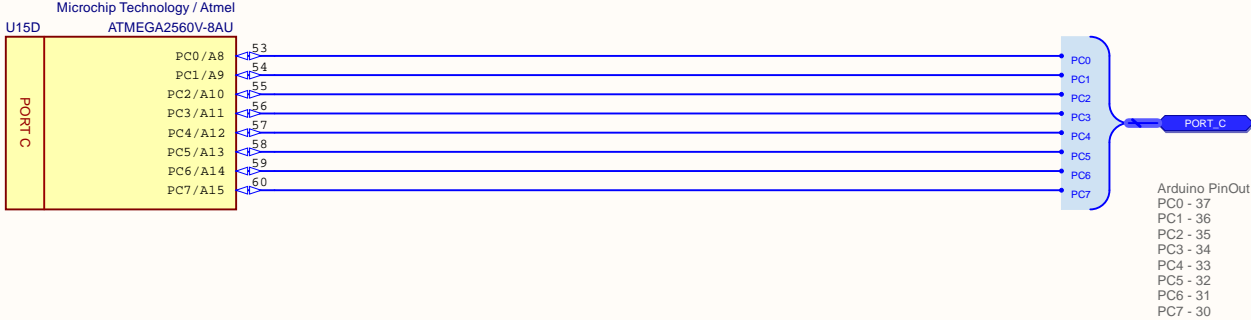
D


Master MicroController B Port



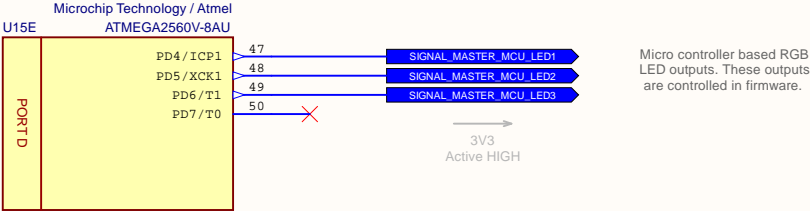
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Date: 3.03.2021		Time: 15:05:03		Product ID	-		
File: Master MicroController Port B.SchDoc		Sheet 17 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		


Master MicroController C Port



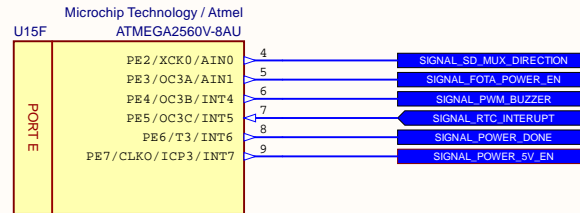
Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah, Ortairmak Sok. Bırgıld Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
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File: Master MicroController Port C.SchDoc		Sheet 18 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		

Master MicroController D Port




Power Source Segment Block Diagram				Engineer		Mehmet Güneç Akkoyun		Ovoo Electronics		
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Size:	A4	Project :	GSM İot Based Plug&Play SOM							
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			Module ID		B100					
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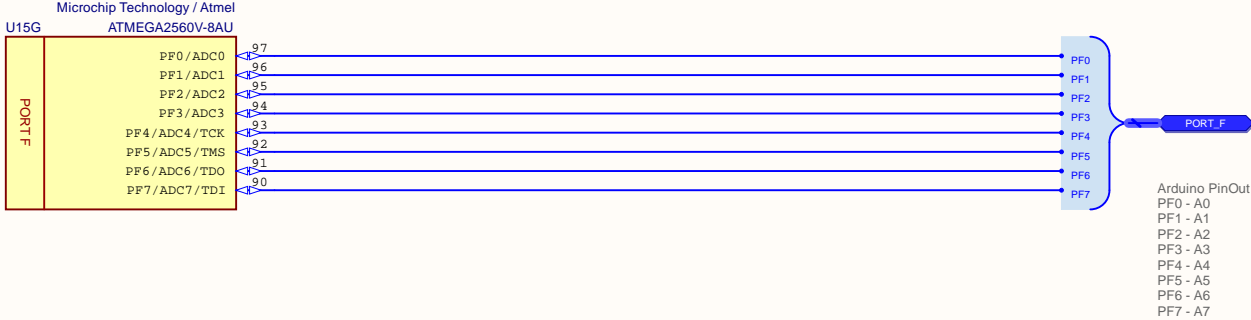
## Master MicroController E Port




<https://www.github.com/akkoyun/B100>

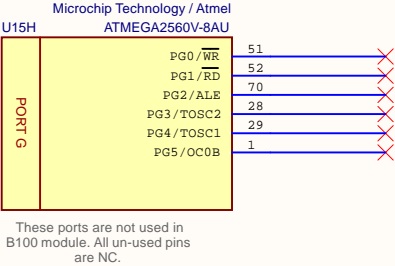
Power Source Segment Block Diagram				Engineer	MehmetGünce Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300		
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Size: A4				Project :	GSM Iot Based Plug&Play SOM			
				Product ID	-			
				Module ID	B100			
Date:	3.03.2021	Time: 15:05:03	Sheet 20 of 54	Version	AA			
File:	Master MicroController Port E.SchDoc			Revision	R06			


Master MicroController F Port



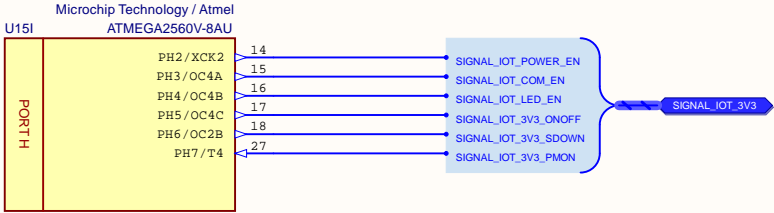
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Date: 3.03.2021		Time: 15:05:03		Product ID		
File: Master MicroController Port F.SchDoc		Sheet 21 of 54		Module ID		
				Version		
				Revision	R06	


Master MicroController G Port



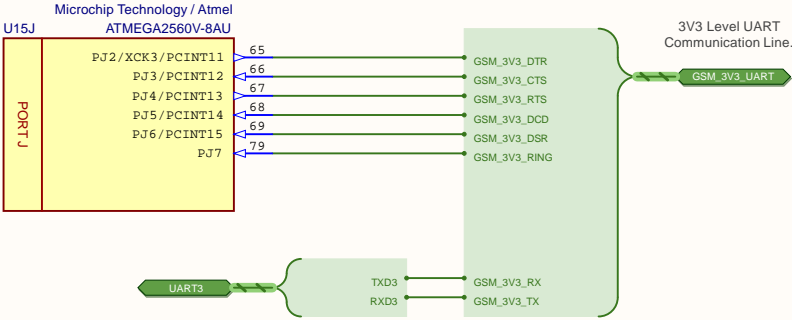
Power Source Segment Block Diagram				Engineer	MehmetGünce Akkoyun	Ovoo Electronics Necip Fazıl Mah. Ortairmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300		
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Date: 3.03.2021				Time: 15:05:03	Sheet 22 of 54			
File: Master MicroController Port G.SchDoc				Module ID	B100			
				Version	AA			
				Revision	R06			


Master MicroController H Port



Power Source Segment Block Diagram				Engineer		Mehmet Güneç Akkoyun		<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortarmak Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye</div> <div>+90 506 7444300</div> <div></div>	
				Customer		-			
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File: Master MicroController Port H.SchDoc				Revision		R06			

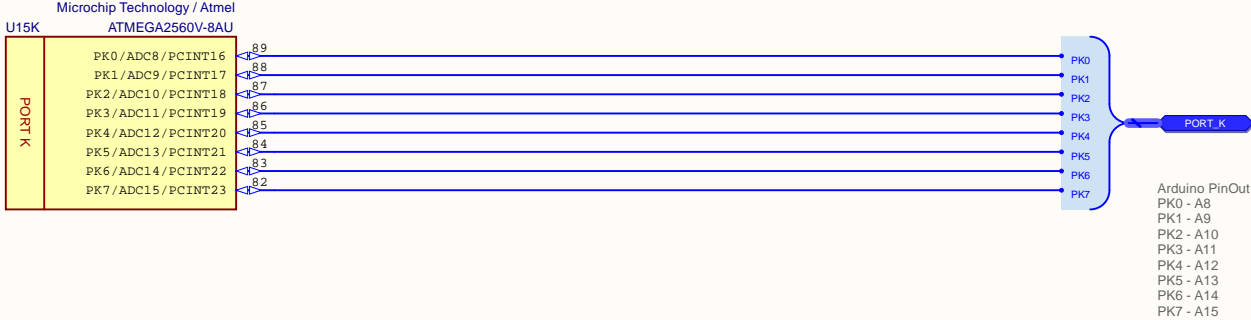
GSM IoT Communication Pins




Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortairmak Sok. Birgül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
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Date: 3.03.2021		Time: 15:05:03		Product ID	-		
File: Master MicroController Port J.SchDoc		Sheet 24 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		

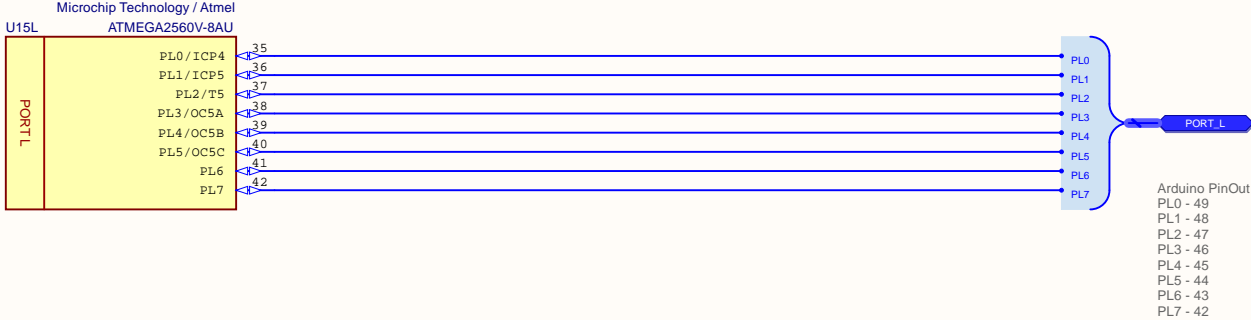



Master MicroController K Port



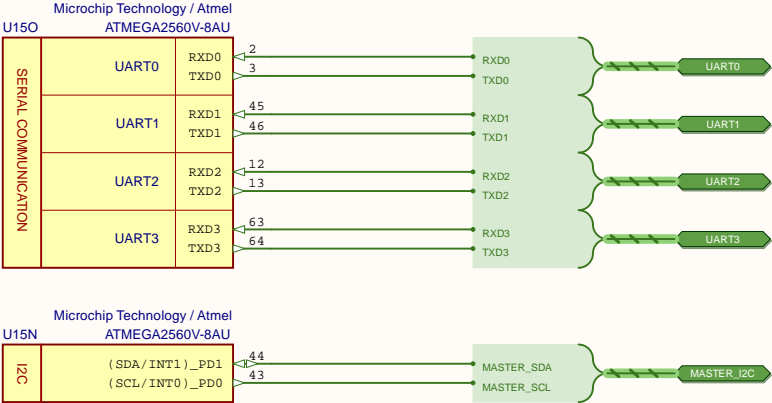
Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortairmak Sok. Bingül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
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Date: 3.03.2021		Time: 15:05:03		Product ID	-		
File: Master MicroController Port K.SchDoc		Sheet 25 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		


Master MicroController L Port



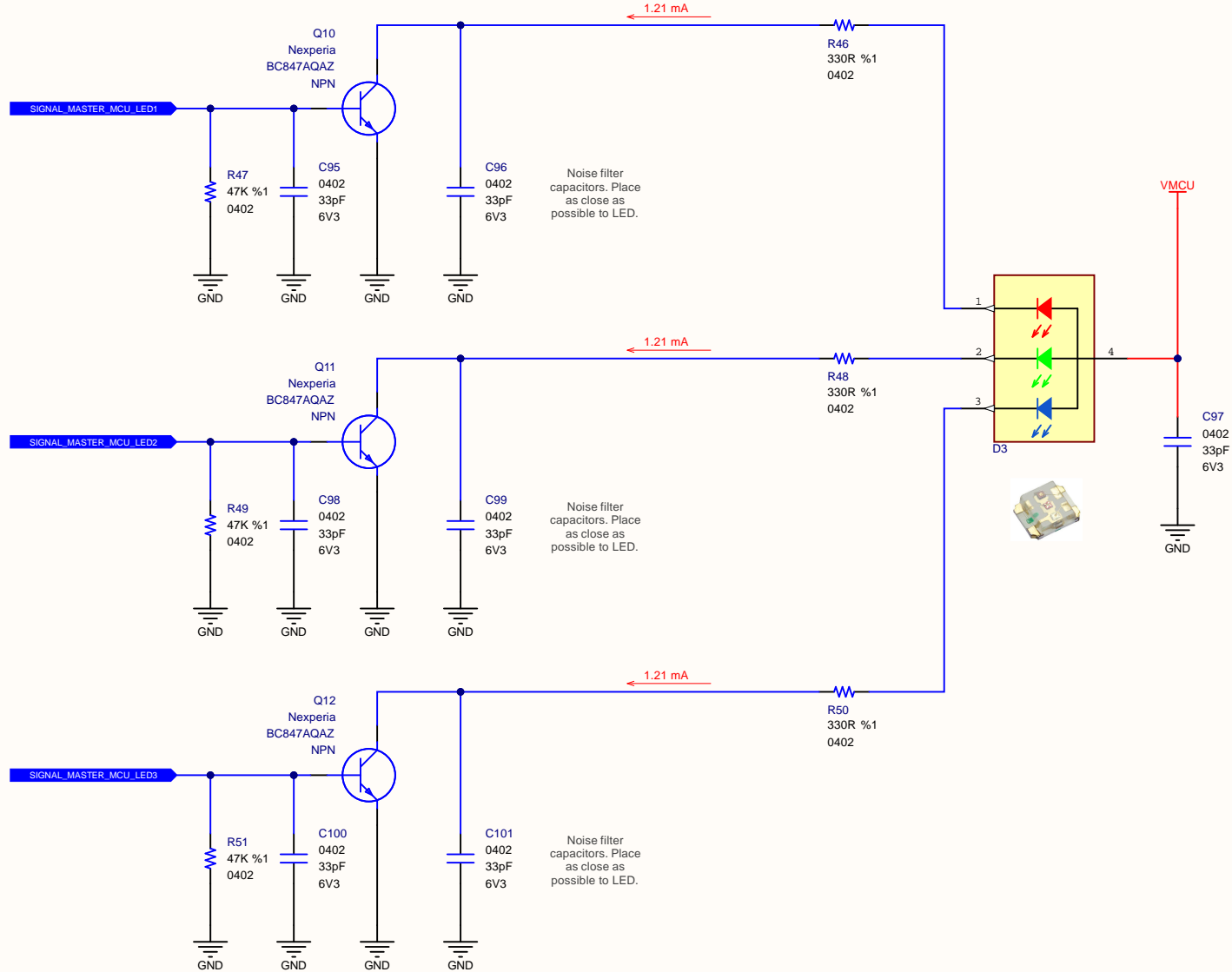
Power Source Segment Block Diagram			Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size: A4		Project : GSM İot Based Plug&Play SOM		Customer		
				Product ID		
Date: 3.03.2021		Time: 15:05:03	Sheet 26 of 54	Module ID		
File: Master MicroController Port L.SchDoc				Version		
				Revision	R06	

Communication Ports




Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortanmak Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye</div> <div>+90 506 7444300</div> <div></div>
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		Version		AA		
		Revision		R06		

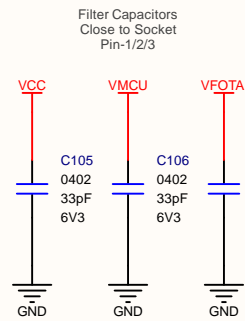
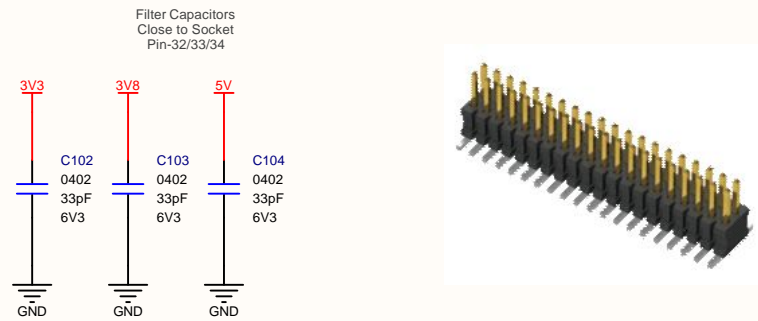
## Main Microcontroller Status LED Indicators



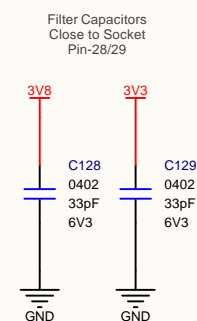
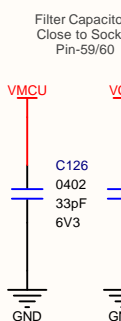
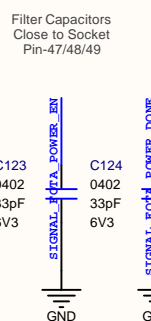
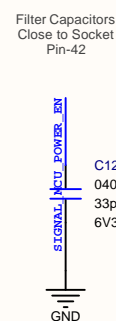
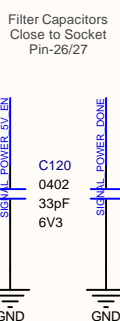
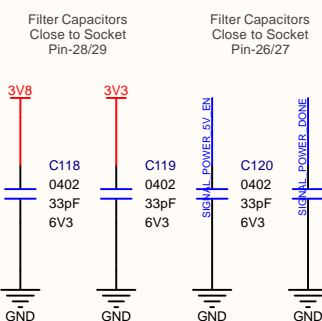
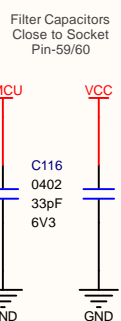
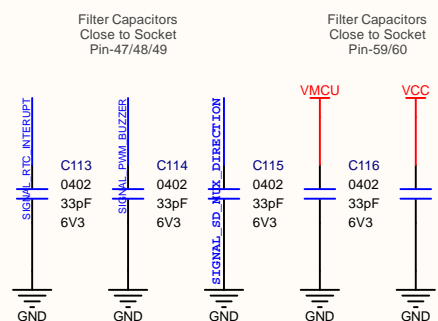
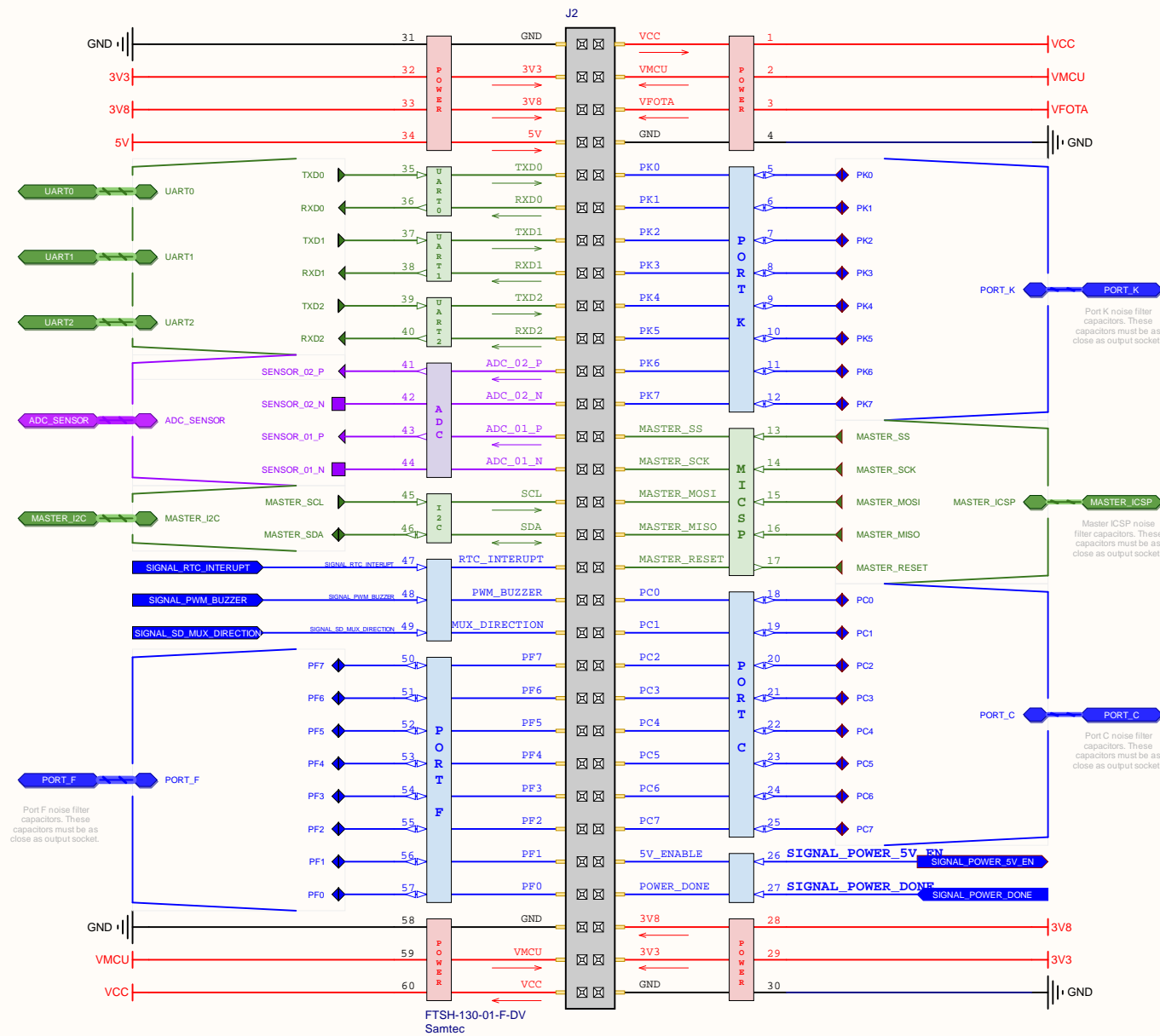
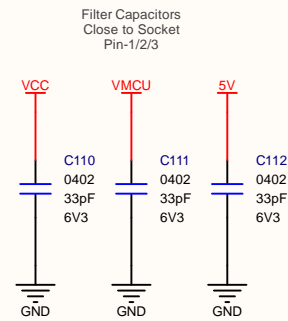
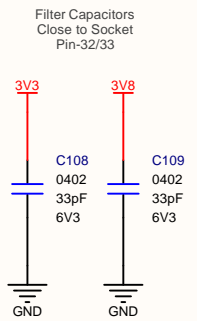
<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer Mehmet Günce Akkoyun		Ovoo Electronics  Necip Fazıl Mah. Ortarmak Sok. Bırgılı Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				Customer -			
Size: A4		Project : GSM Iot Based Plug&Play SOM		Product ID -			
Date: 3.03.2021		Time: 15:05:03		Module ID B100			
File: Master MicroController LED.SchDoc		Sheet 28 of 54		Version AA			
				Revision R06			

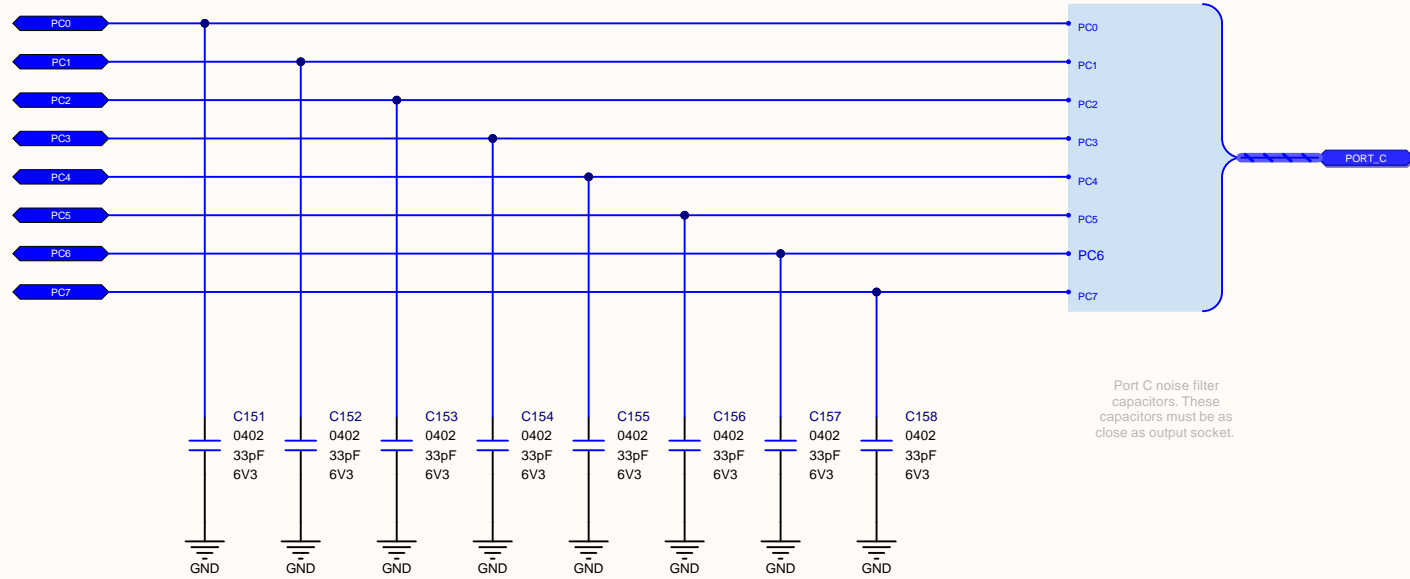
Module Output Socket A




Module Output Socket B



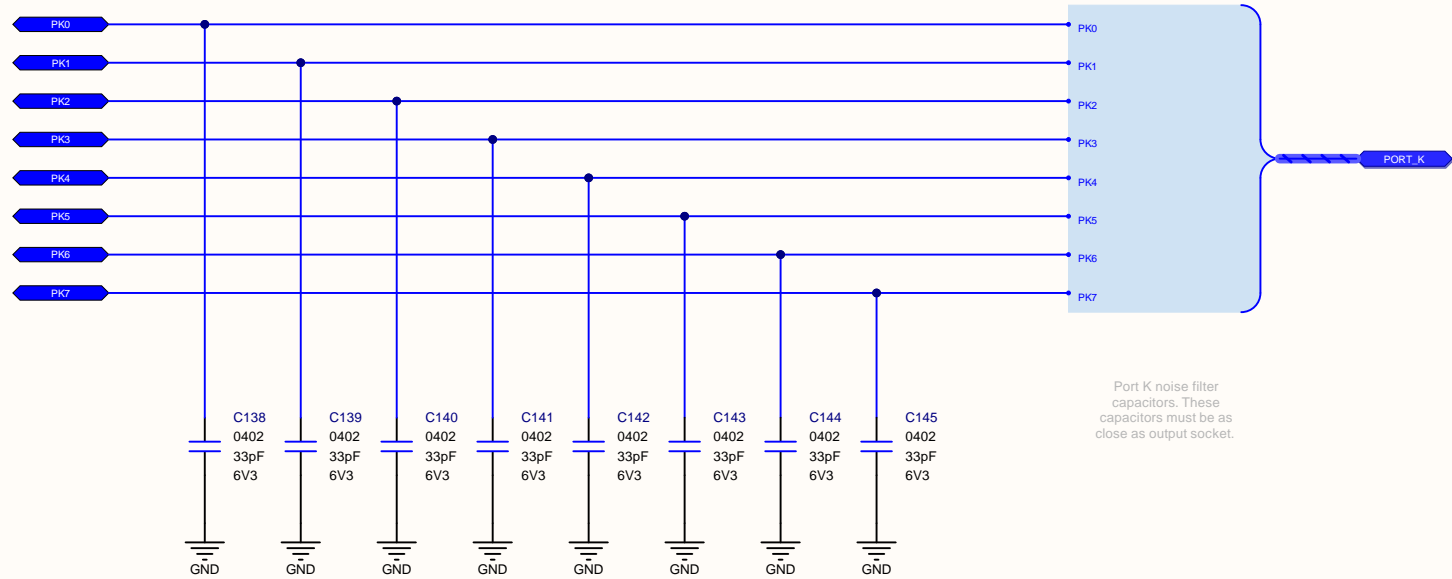
## Port C Output Socket Noise Capacitors




<https://www.github.com/akkoyun/B100>

<b>Power Source Segment Block Diagram</b>				<b>Engineer</b>	Mehmet Güneç Akkoyun	<b>Ovoo Electronics</b>  Necip Fazıl Mah. Ortarmak Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				<b>Customer</b>	-		
<b>Size:</b>	A4	<b>Project :</b> GSM Iot Based Plug&Play SOM		<b>Product ID</b>			
				<b>Module ID</b>	B100		
<b>Date:</b>	3.03.2021	<b>Time:</b>	15:05:04	<b>Version</b>	AA		
<b>File:</b>	Filter Capacitors - Port C.SchDoc			<b>Revision</b>	R06		

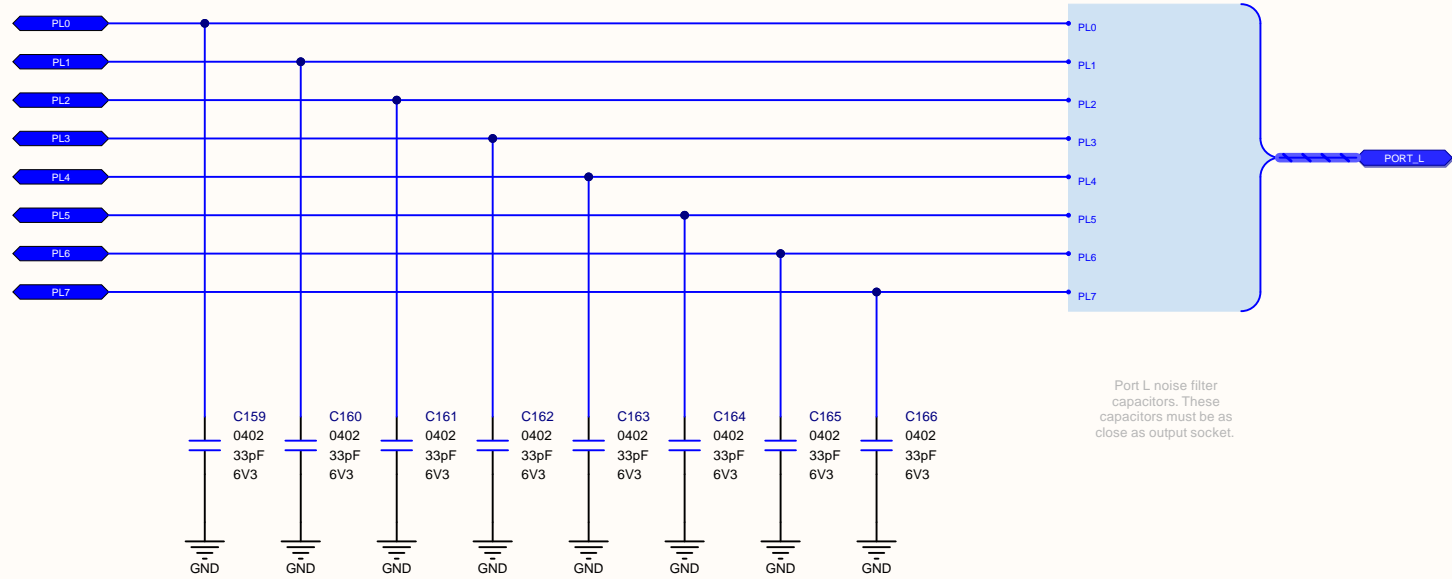
## Port K Output Socket Noise Capacitors



<https://www.github.com/akkoyun/B100>

<b>Power Source Segment Block Diagram</b>				<b>Engineer</b> <u>Mehmet Günce Akkoyun</u>		<b>Ovoo Electronics</b>  Necip Fazıl Mah. Ortarmak Sok. Birgül Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				<b>Customer</b> -			
<b>Size:</b> <u>A4</u>		<b>Project :</b> <u>GSM Iot Based Plug&amp;Play SOM</u>		<b>Product ID</b> -			
				<b>Module ID</b> <u>B100</u>			
<b>Date:</b> <u>3.03.2021</u>		<b>Time:</b> <u>15:05:04</u>		<b>Version</b> <u>AA</u>			
<b>File:</b> <u>Filter Capacitors - Port K.SchDoc</u>				<b>Revision</b> <u>R06</u>			

## Port L Output Socket Noise Capacitors

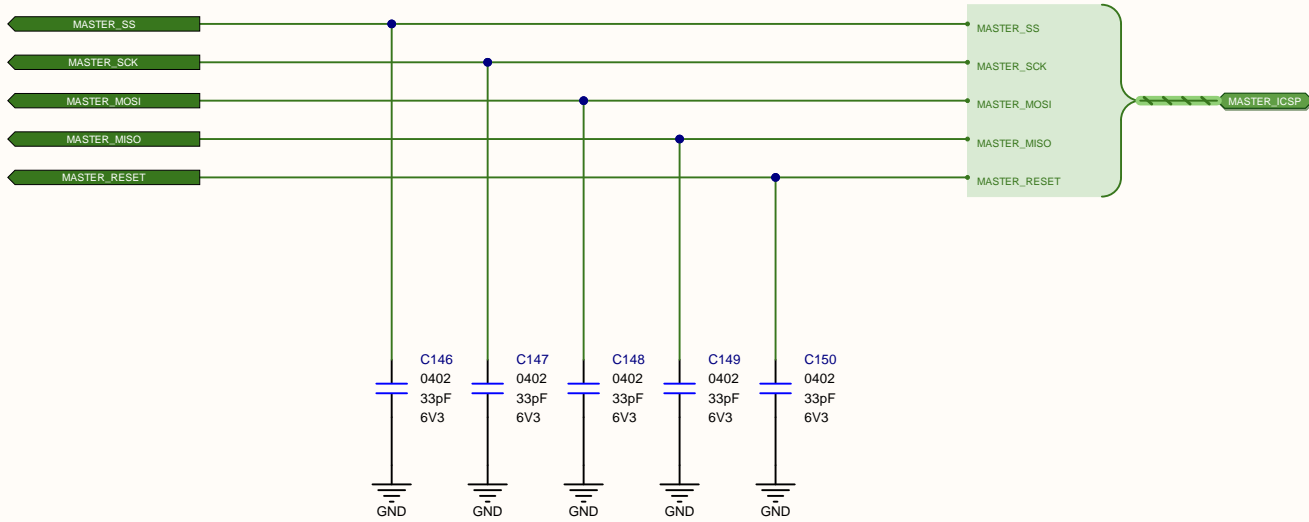


<https://www.github.com/akkoyun/B100>


Power Source Segment Block Diagram			Engineer	Mehmet Güneş Akkoyun	Ovoo Electronics	
Size:	A4	Project :	GSM Iot Based Plug&Play SOM	Customer	-	Necip Fazıl Mah. Ortarmak Sok.
Date:	3.03.2021	Time:	15:05:04	Product ID	-	Birgül Apt. No: 19/6
File:	Filter Capacitors - Port L.SchDoc	Sheet	32 of 54	Module ID	B100	Meram / Konya
				Version	AA	Türkiye
				Revision	R06	+90 506 7444300

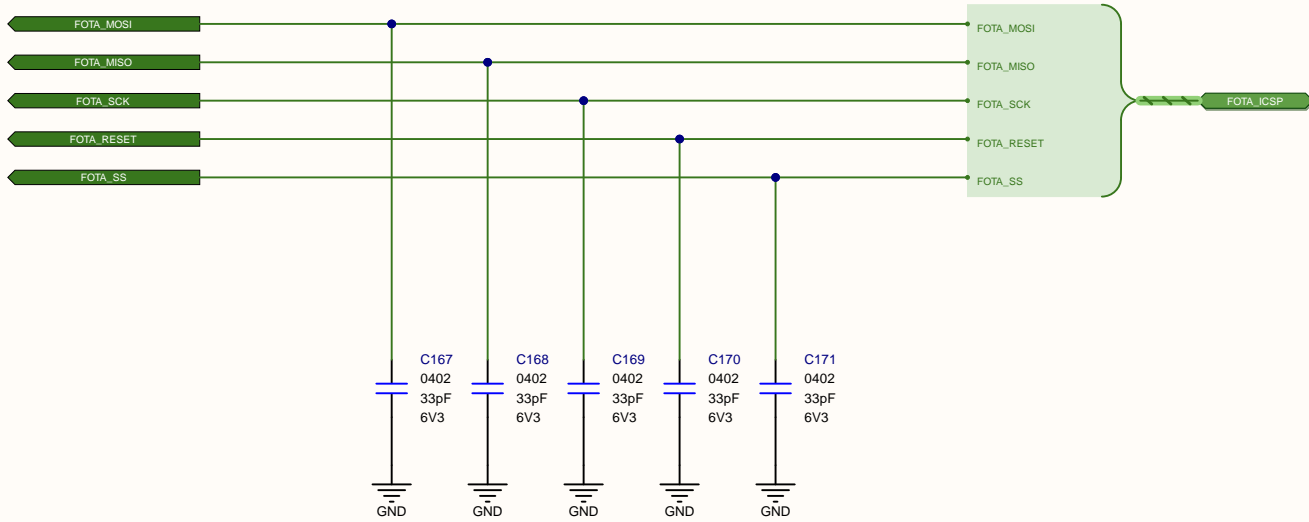







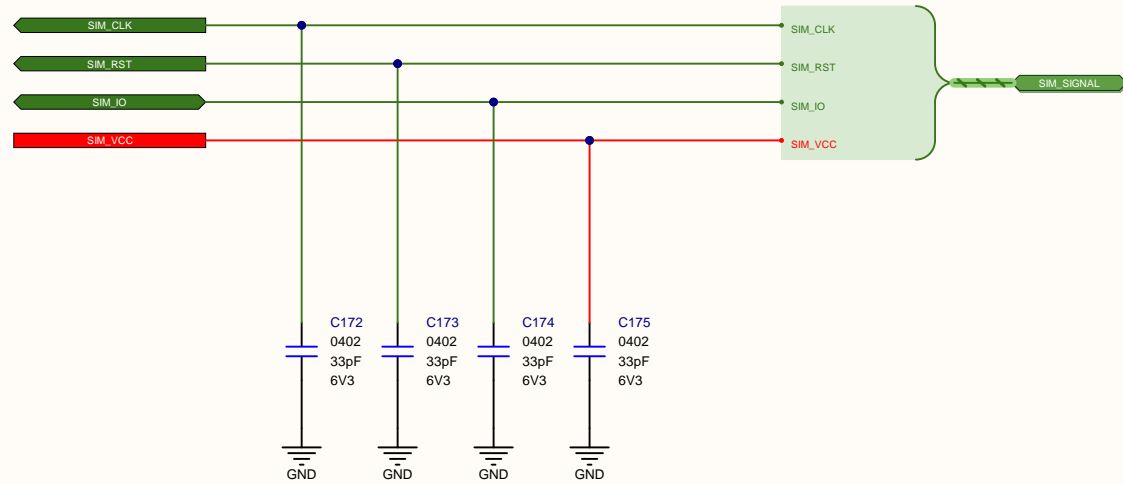
<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	MehmetGünca Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bırgöl Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				Customer	-		
				Product ID	-		
Size: A4				Module ID	B100		
Project : GSM Iot Based Plug&Play SOM							
Date: 3.03.2021				Version	AA		
Time: 15:05:04				Revision	R06		
Sheet 33 of 54				File: Filter Capacitors - Master ICSP.SchDoc			




<https://www.github.com/akkoyun/B100>

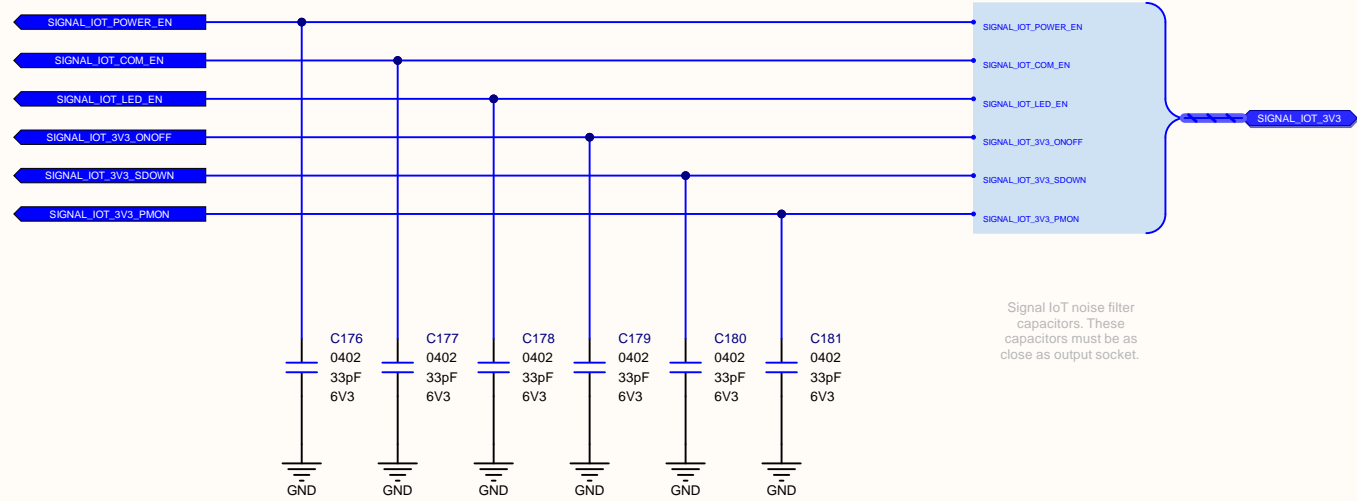
Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				Customer	-		
Size: A4		Project : GSM IoT Based Plug&Play SOM		Product ID	-		
				Module ID	B100		
Date: 3.03.2021   Time: 15:05:04   Sheet 34 of 54				Version	AA		
File: Filter Capacitors - FOTA ICSP.SchDoc				Revision	R06		




<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				<div>Engineer<div>Mehmet Günce Akkoyun</div></div> <div>Customer<div>-</div></div> <div>Product ID<div>-</div></div> <div>Module ID<div>B100</div></div> <div>Version<div>AA</div></div> <div>Revision<div>R06</div></div>		<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortairmak Sok. Birgül Apt. No: 19/6 Meram / Konya Türkiye</div> <div>+90 506 7444300</div>		<div></div>
Size:	A4	Project : GSM Iot Based Plug&Play SOM						
Date:	3.03.2021	Time:	15:05:04	Sheet	35	of	54	
File: Filter Capacitors - External SIM.SchDoc								

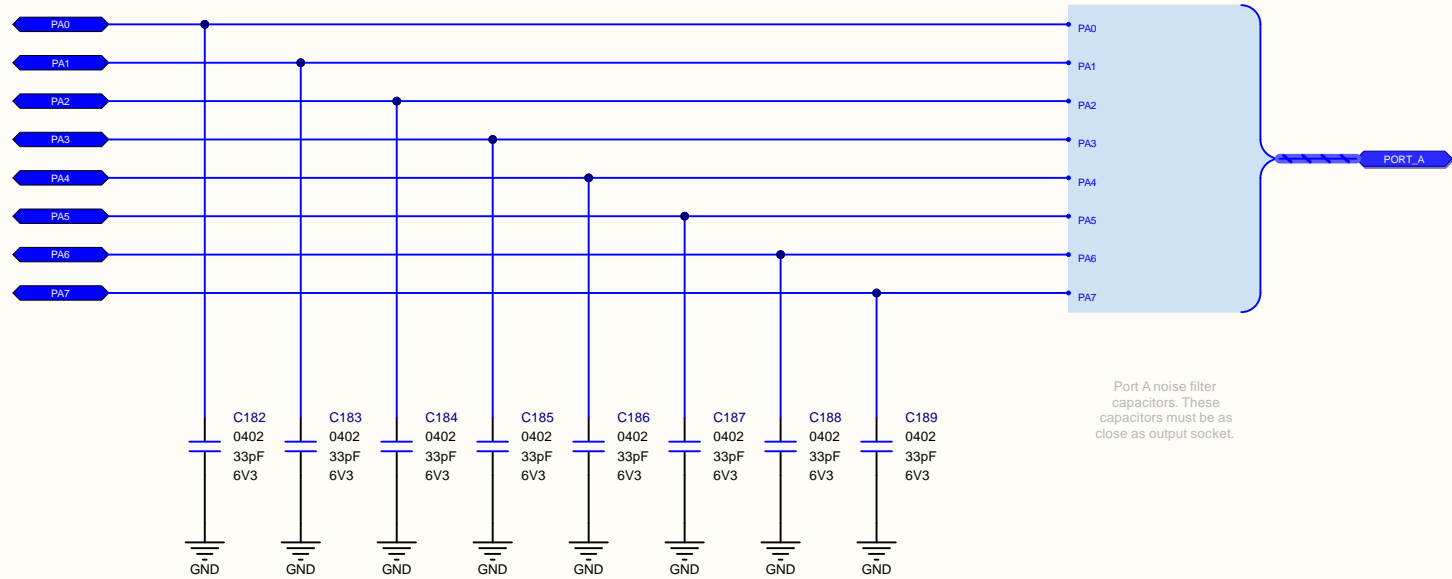
## Signal IoT Output Socket Noise Capacitors



<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	MehmetGünce Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bırgıl Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
				Customer	-		
				Product ID	-		
				Module ID	B100		
				Version	AA		
Date: 3.03.2021		Time: 15:05:04		Revision		R06	
File: Filter Capacitors - Signal IoT.SchDoc		Sheet 36 of 54					

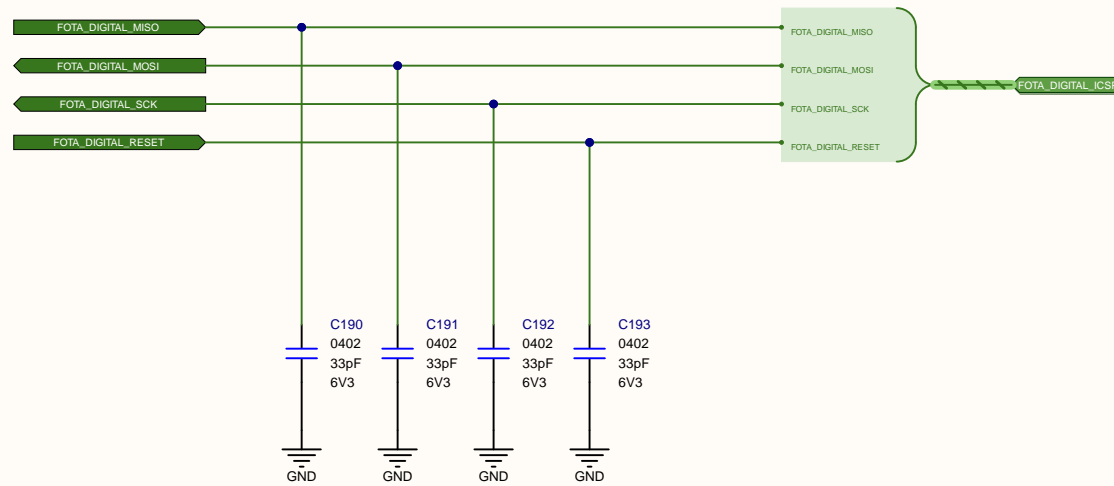
## Port A Output Socket Noise Capacitors




<https://www.github.com/akkoyun/B100>

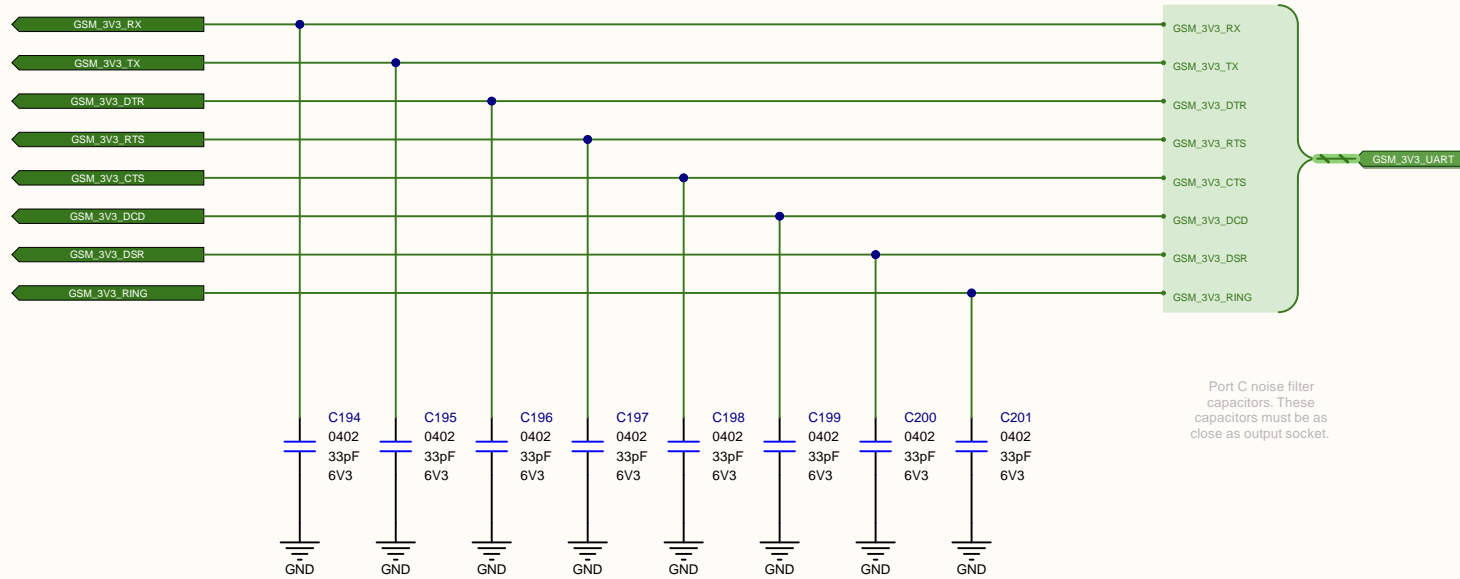
Power Source Segment Block Diagram			Engineer	Mehmet Güneş Akkoyun	Ovoo Electronics	
Size:	A4	Project :	GSM Iot Based Plug&Play SOM	Customer	-	Necip Fazıl Mah. Ortarmak Sok.
Date:	3.03.2021	Time:	15:05:04	Product ID	-	Birgül Apt. No: 19/6
File:	Filter Capacitors - Port A.SchDoc	Sheet	37 of 54	Module ID	B100	Meram / Konya
				Version	AA	Türkiye
				Revision	R06	+90 506 7444300




<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortairmak Sok. Birgül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
				Customer	-		
Size:	A4	Project :	GSM Iot Based Plug&Play SOM	Product ID	-		
				Module ID	B100		
Date:	3.03.2021	Time:	15:05:04	Version	AA		
File:	Filter Capacitors - FOTA Digital ICSP.SchDoc			Revision	R06		

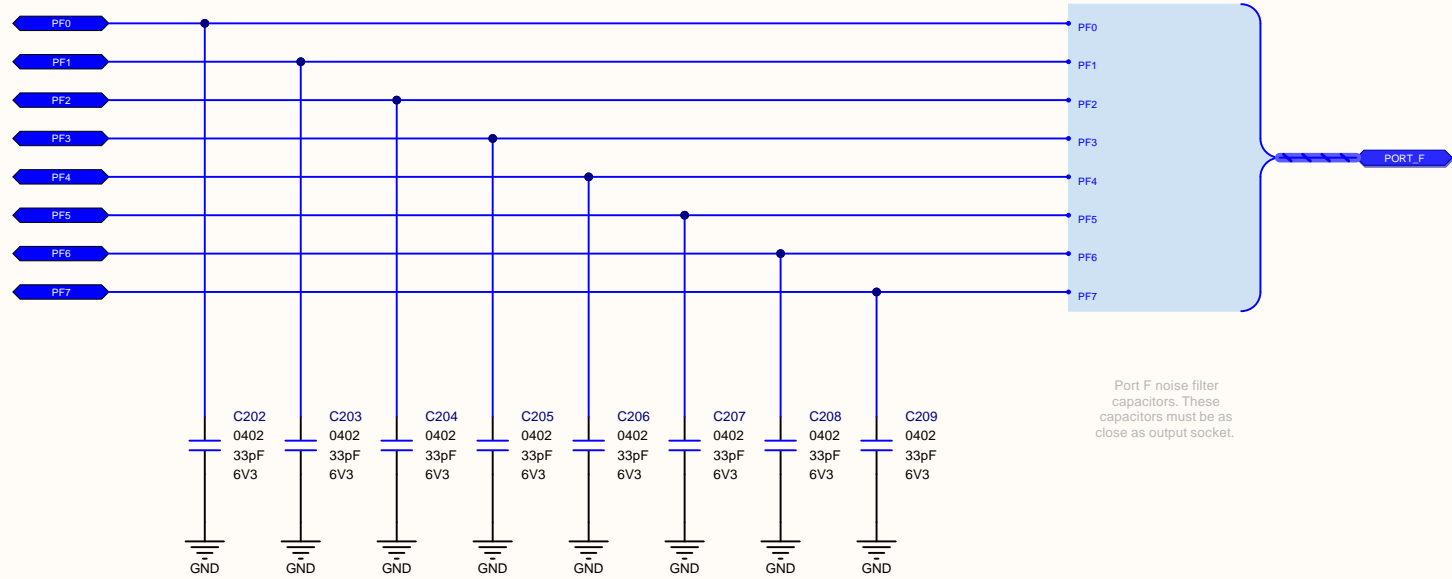
## IoT UART Output Socket Noise Capacitors




<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bırgıld Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300				
				Customer	-					
Size: A4				Project :	GSM İot Based Plug&Play SOM					
				Product ID	-					
				Module ID	B100					
Date: 3.03.2021		Time: 15:05:04		Sheet	39	of		54	Version	AA
File: Filter Capacitors - İot UART.SchDoc								Revision	R06	

## Port F Output Socket Noise Capacitors

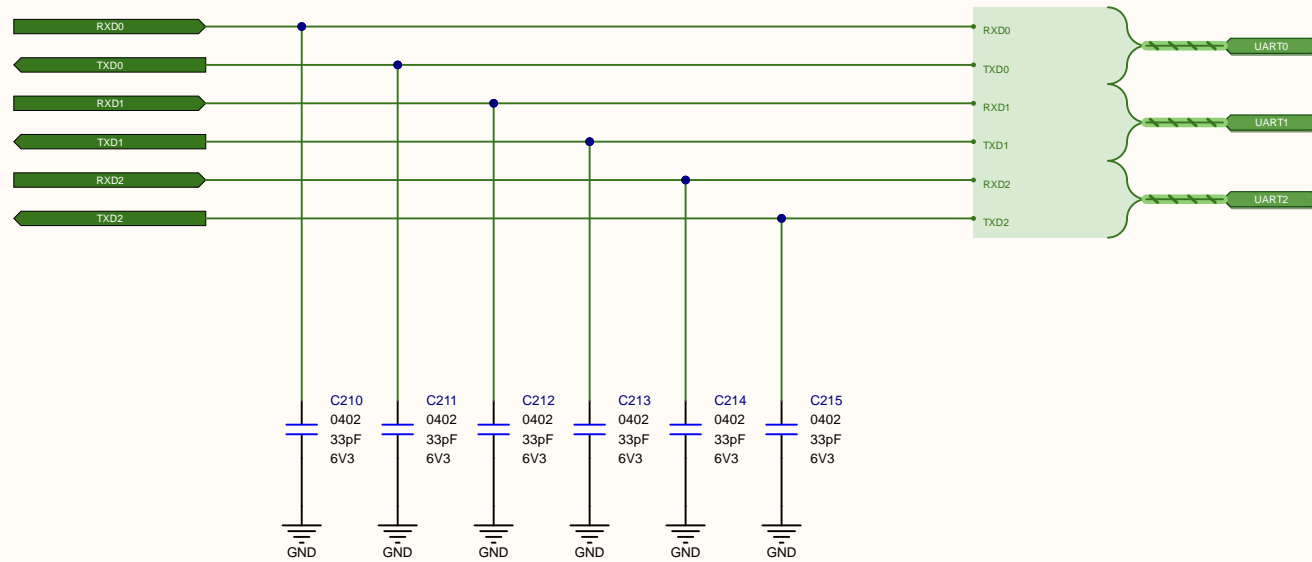



<https://www.github.com/akkoyun/B100>

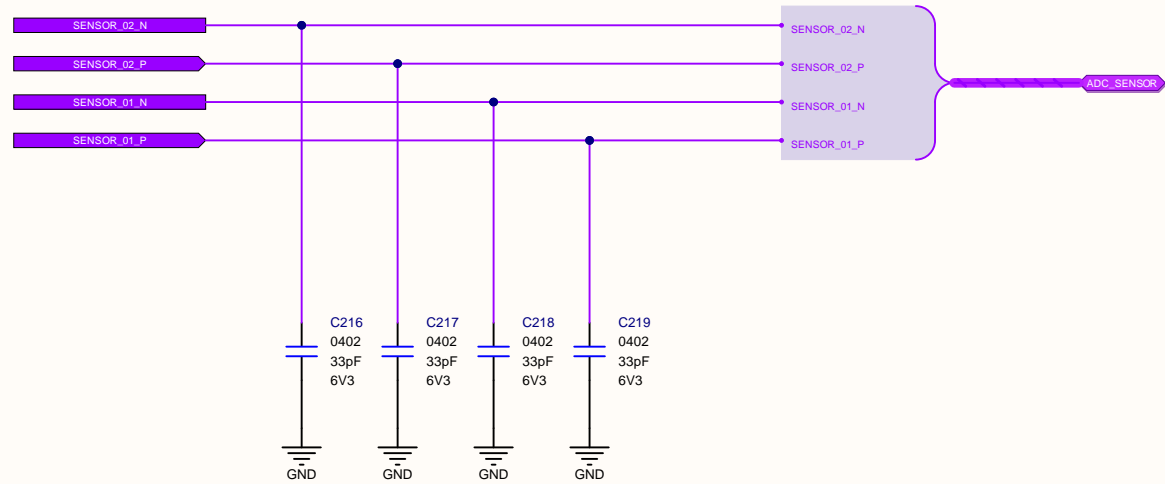
Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	Ovoo Electronics  Necip Fazıl Mah. Ortanmak Sok. Birgül Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
Size: A4		Project : GSM Iot Based Plug&Play SOM		Customer	-		
				Product ID	-		
				Module ID	B100		
Date: 3.03.2021		Time: 15:05:04		Version	AA		
File: Filter Capacitors - Port F.SchDoc				Revision	R06		





<https://www.github.com/akkoyun/B100>

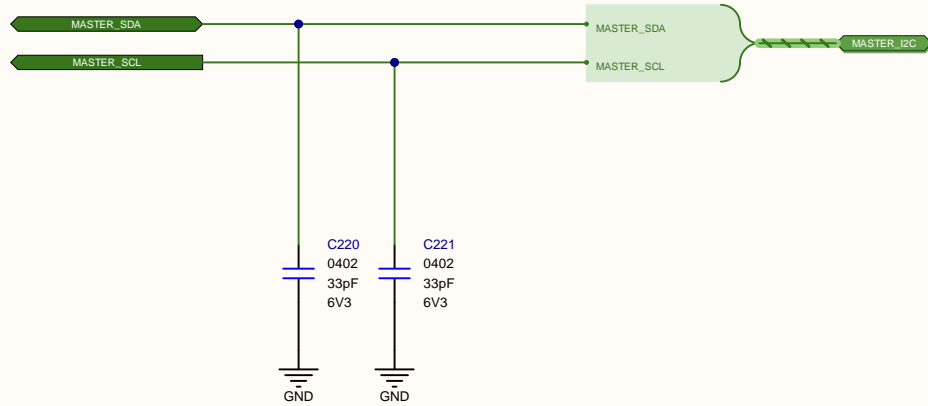
Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortarmak Sok. Bırgöl Apt. No: 19/B Meram / Konya Türkiye</div> <div>+90 506 7444300</div> <div></div>
Size: A4		Project : GSM IoT based Plug&Play SOM		Customer	-	
				Product ID	-	
				Module ID	B100	
Date: 3.03.2021	Time: 15:05:04	Sheet 41	of 54	Version	AA	
File: Filter Capacitors - Serial Communication.SchDoc				Revision	R06	




<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram			Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortairmak Sok. Bingül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size: A4		Project : GSM Iot Based Plug&Play SOM		Customer		
Date: 3.03.2021		Time: 15:05:04		Product ID		
File: Filter Capacitors - ADC Sensor.SchDoc		Sheet 42 of 54		Module ID		
				Version		
				Revision		



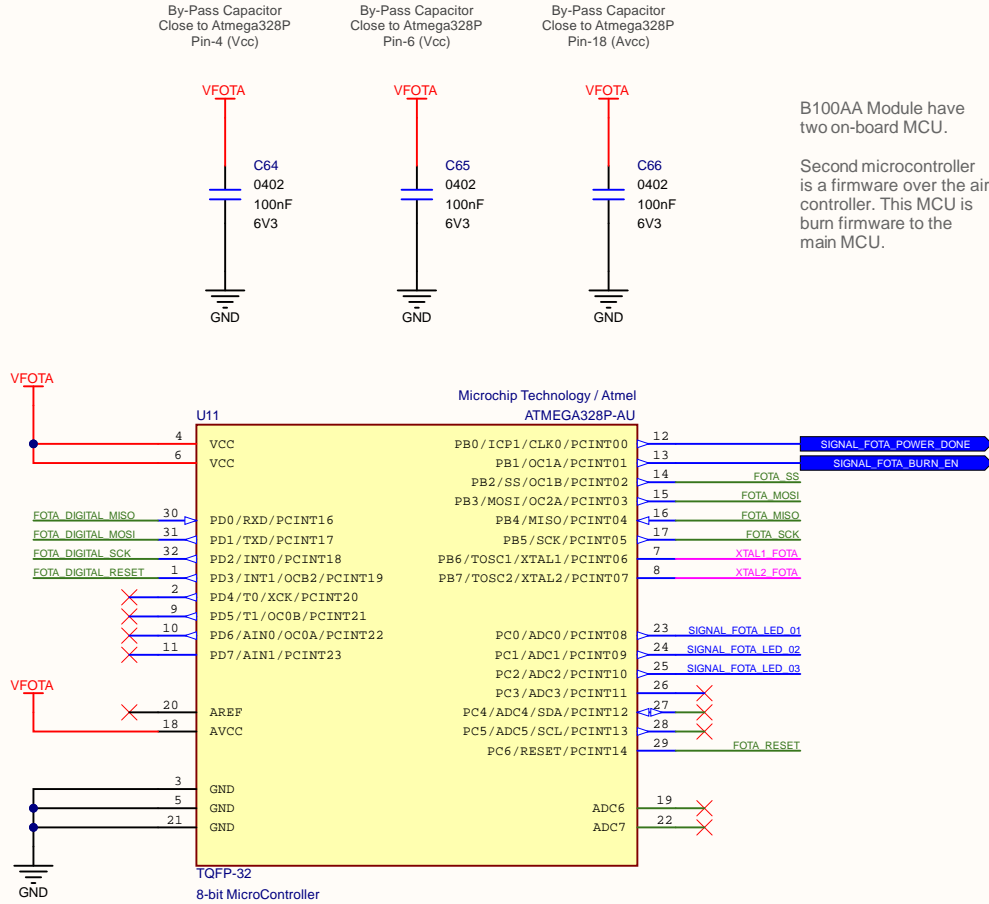


<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
				Customer	-		
Size: A4				Product ID	-		
Project : GSM Iot Based Plug&Play SOM				Module ID	B100		
Date: 3.03.2021				Version	AA		
Time: 15:05:04				Revision	R06		
Sheet 43 of 54							
File: Filter Capacitors - I2C.SchDoc							



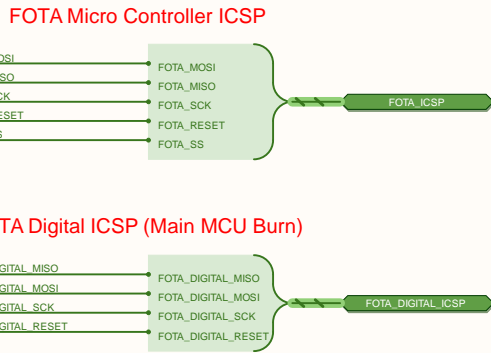
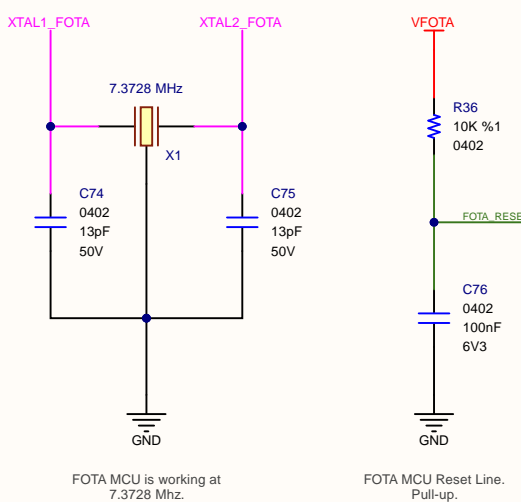
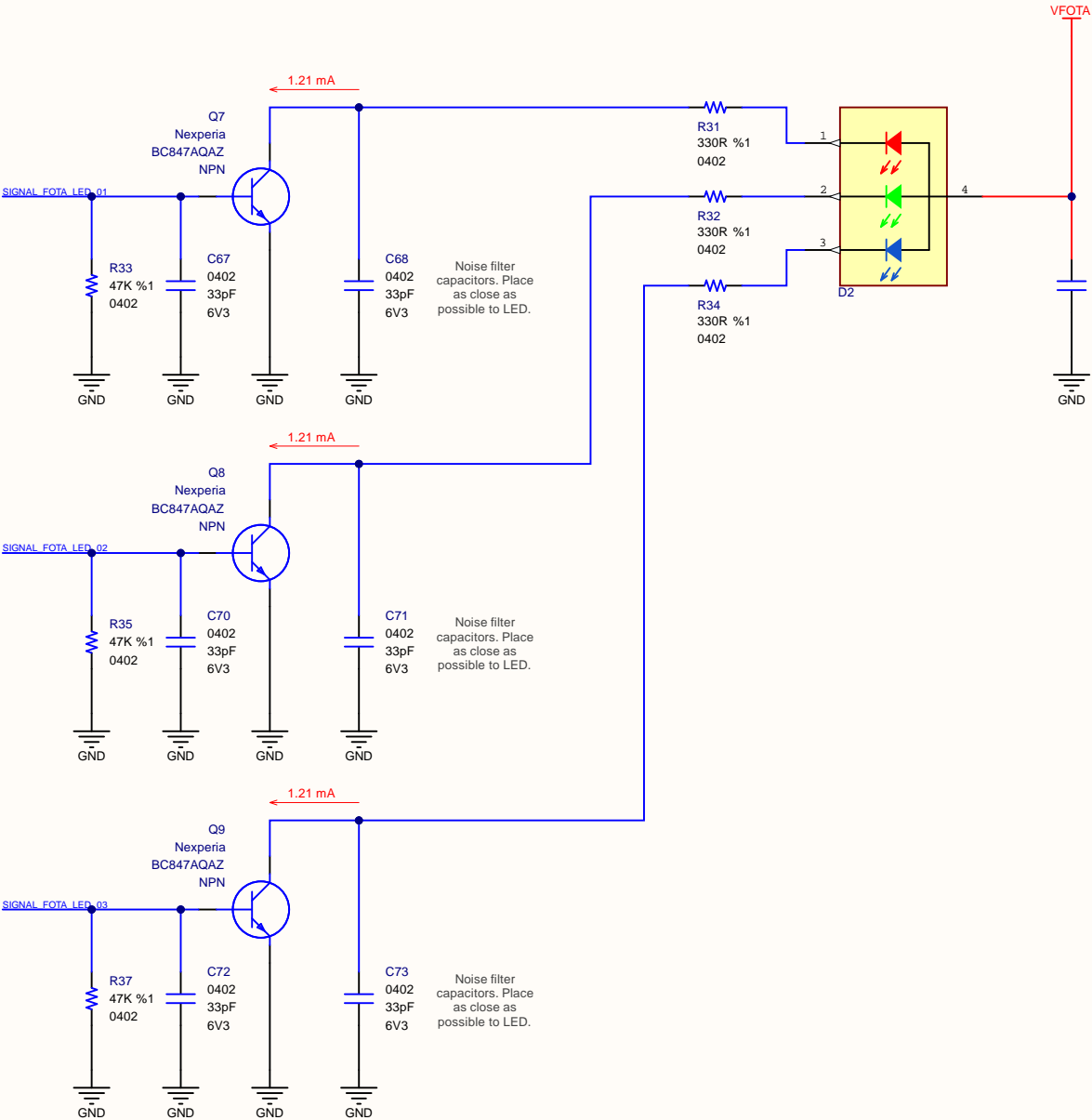
FOTA Micro Controller



B100AA Module have two on-board MCU.

Second microcontroller is a firmware over the air controller. This MCU is burn firmware to the main MCU.

FOTA Status LED Indicators



A

A

B

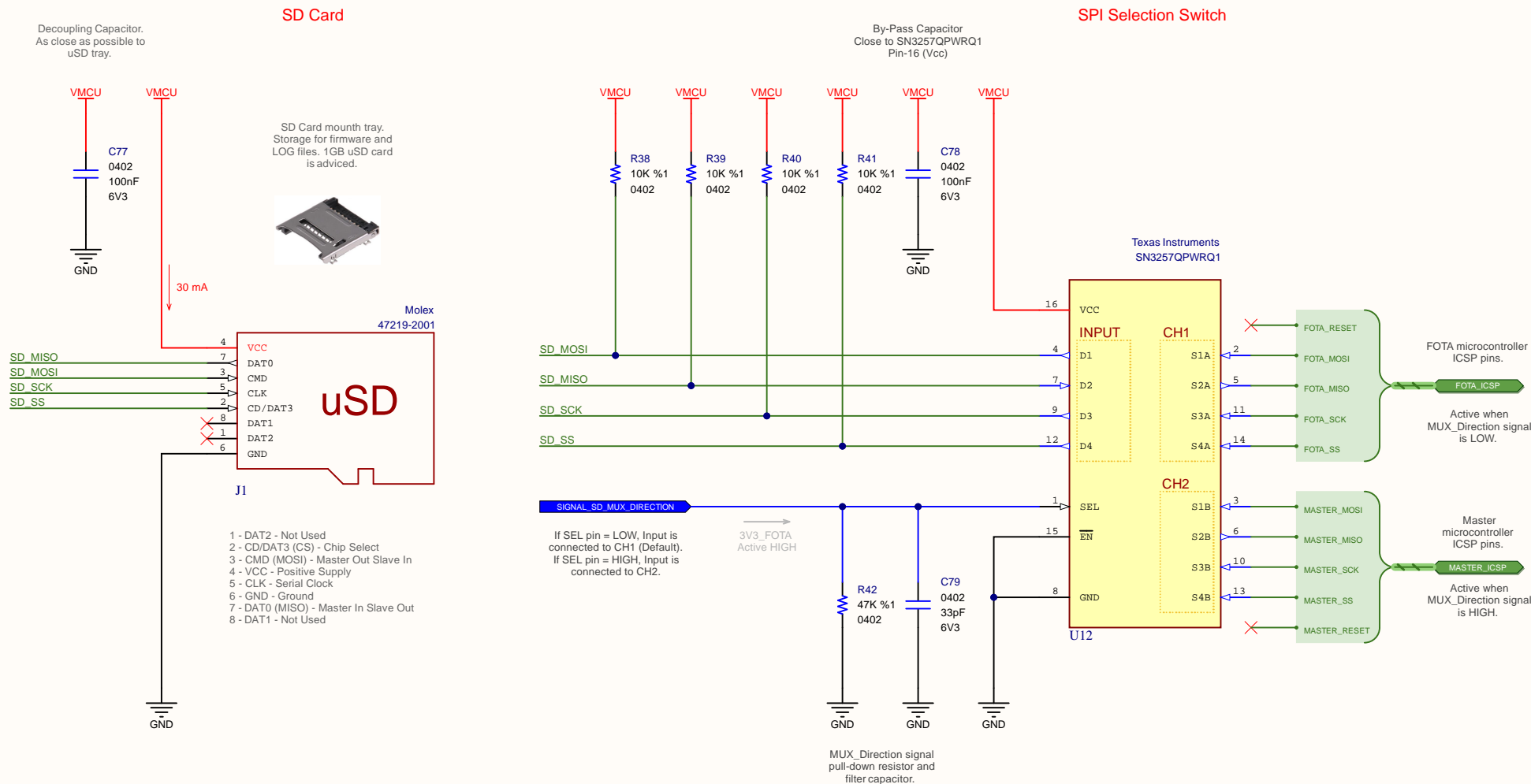
B

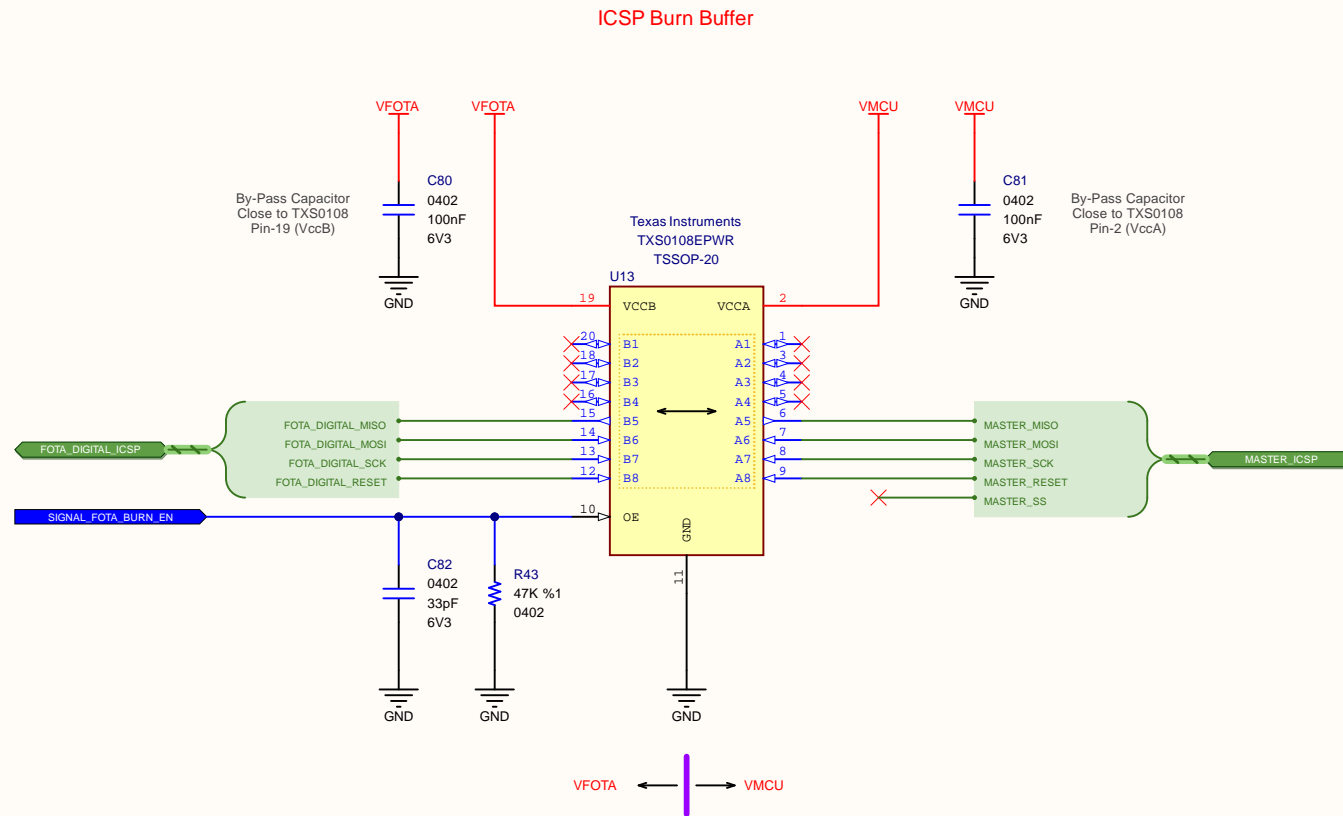
C


C

D

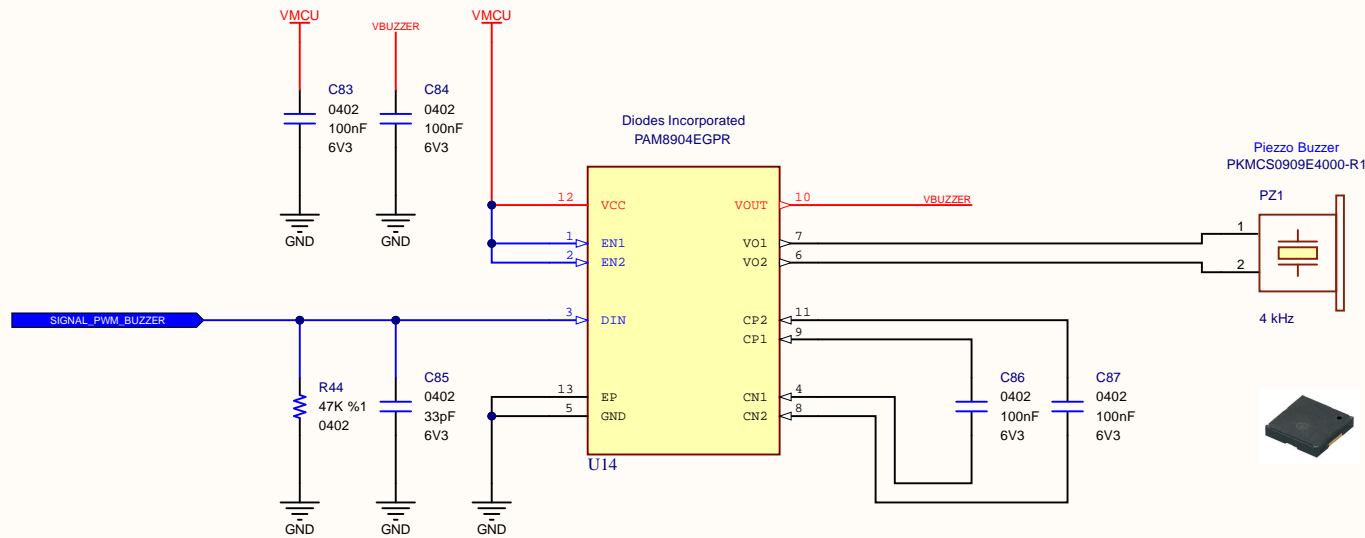
D

<https://www.github.com/akkoyun/B100>


<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bingül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size:	A4	Project :	GSM IoT Based Plug&Play SOM	Customer	-		
Date:	3.03.2021	Time:	15:05:05	Product ID	-		
File:	ICSP Burn Buffer.SchDoc	Sheet	47 of 54	Module ID	B100		
				Version	AA		
				Revision	R06		

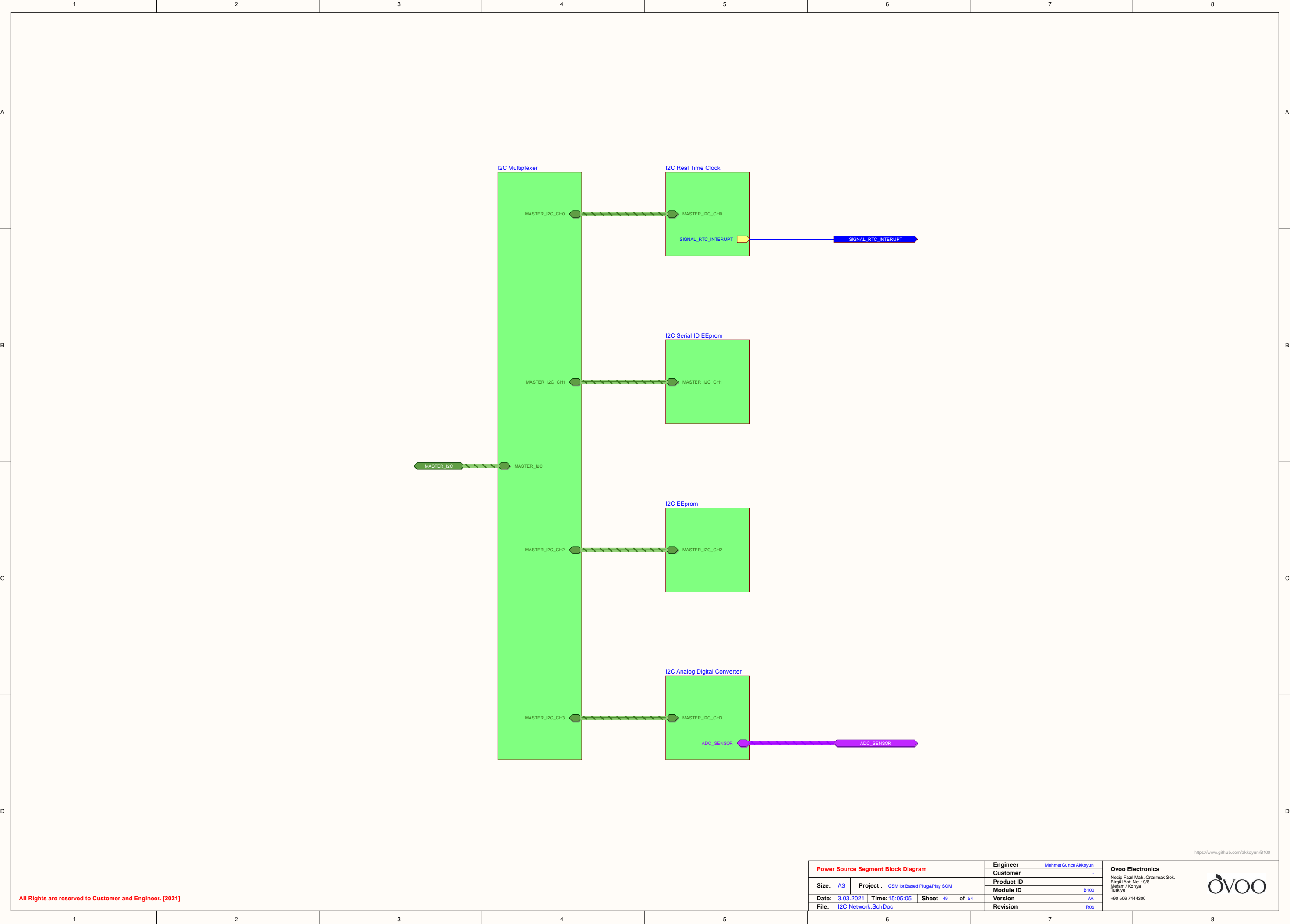
## Piezzo Buzzer

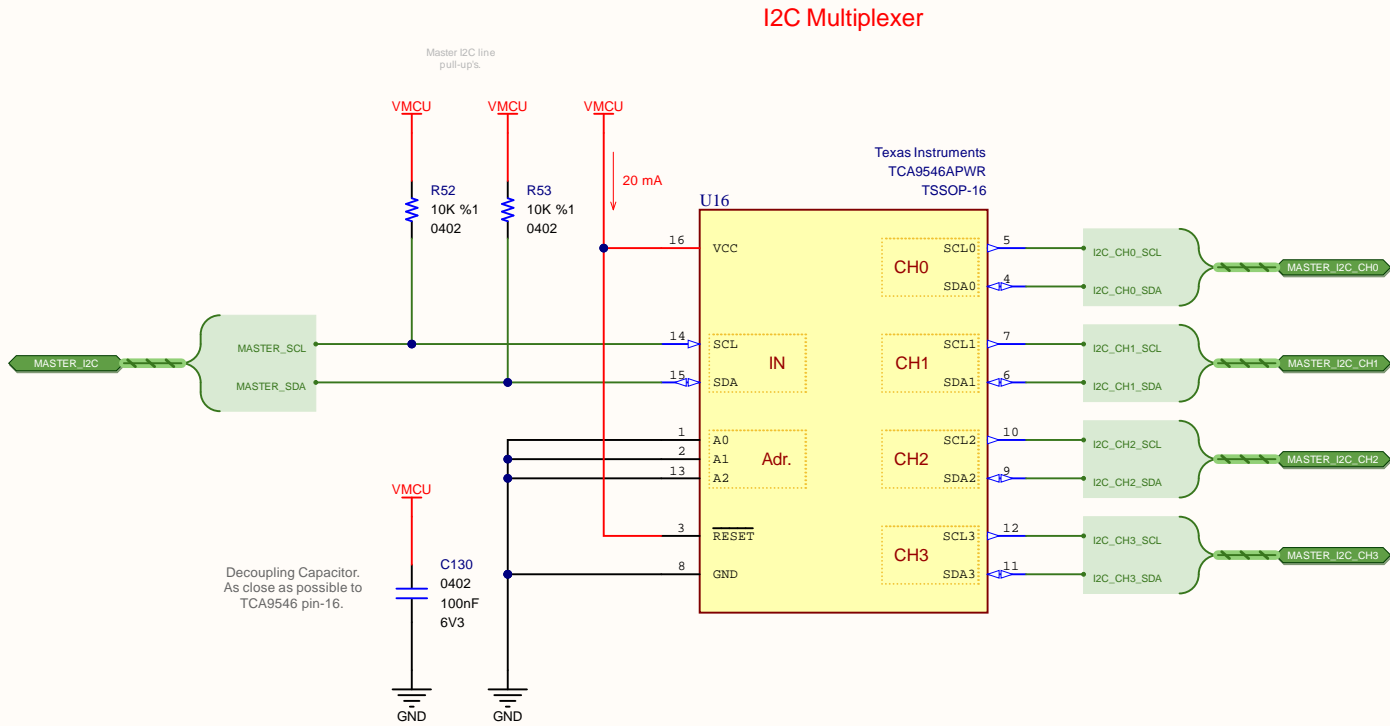


<https://www.github.com/akkoyun/B100>


Power Source Segment Block Diagram				Engineer	MehmetGünce Akkoyun	Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bingül Apt. No: 19/6 Meram / Konya Türkiye  +90 506 7444300	
Size: A4		Project : GSM Iot based Plug&Play SOM		Customer	-		
Date: 3.03.2021		Time: 15:05:05		Product ID	-		
File: Buzzer.SchDoc		Sheet 48 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		





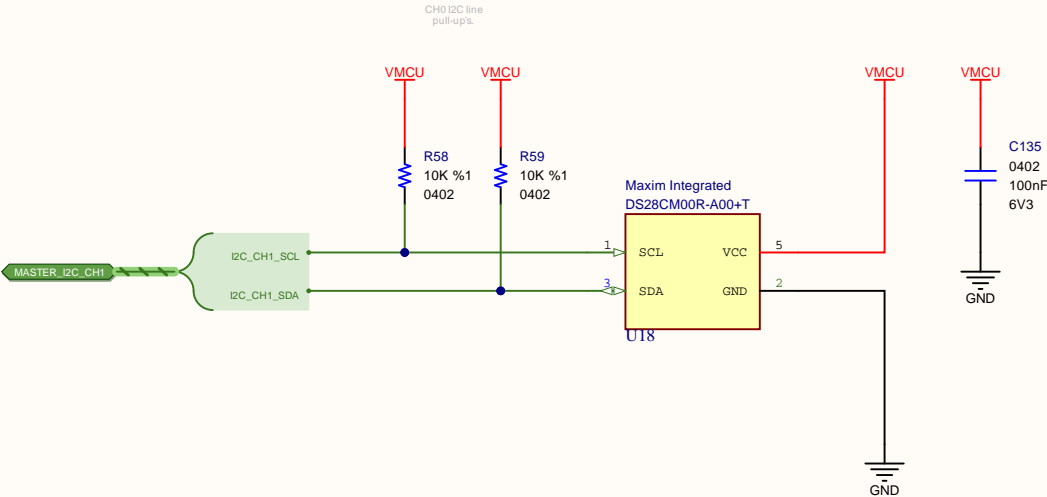


<https://www.github.com/akkoyun/B100>


Power Source Segment Block Diagram				Engineer MehmetGünce Akkoyun		<div>Ovoo Electronics</div> <div>Necip Fazıl Mah. Ortarmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Türkiye</div> <div>+90 506 7444300</div> <div></div>	
Size: A4		Project : GSM Iot Based Plug&Play SOM		Customer -			
Date: 3.03.2021		Time: 15:05:05		Product ID -			
File: I2C Multiplexer.SchDoc		Sheet 50 of 54		Module ID B100			
				Version AA			
				Revision R06			



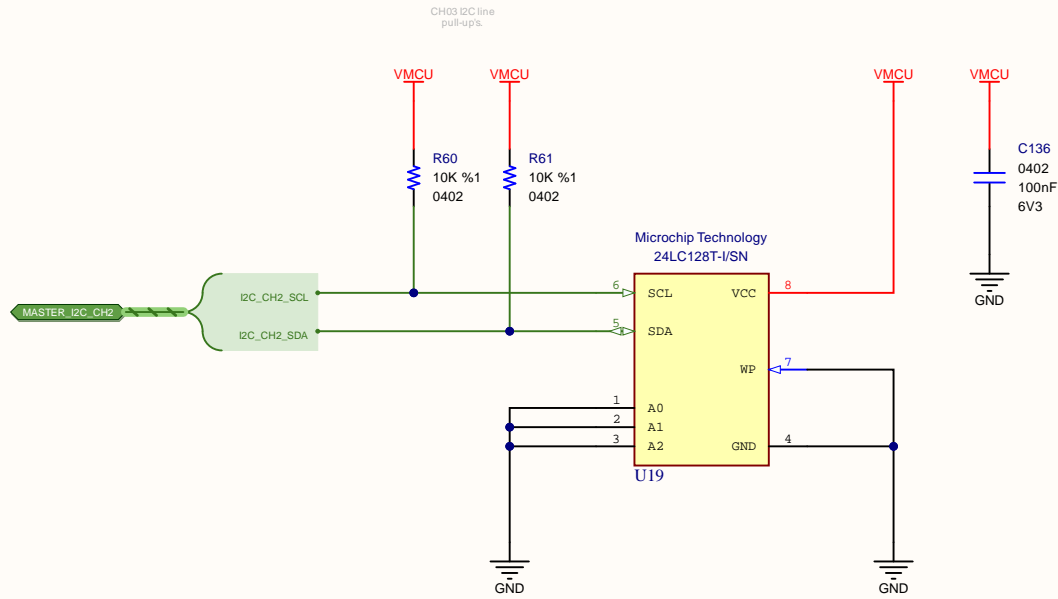
I2C Serial ID EEPROM




<https://www.github.com/akkoyun/B100>

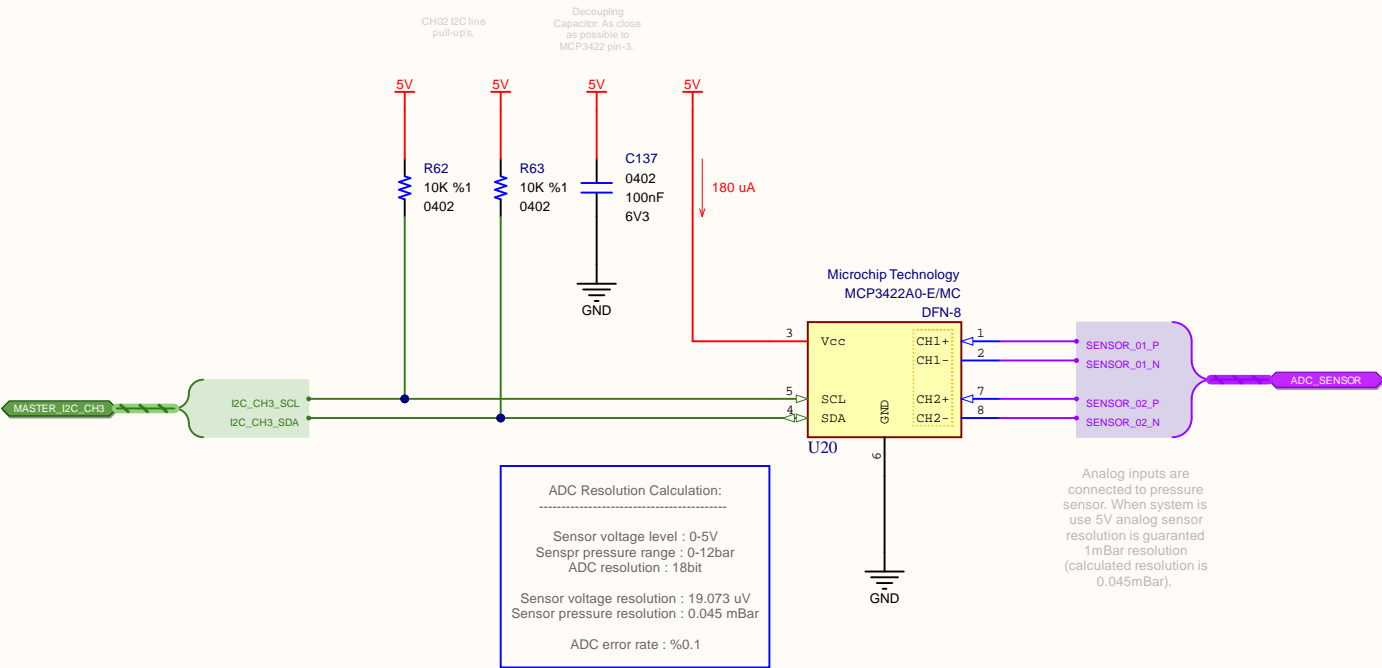
Power Source Segment Block Diagram				Engineer	Mehmet Güneş Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortarmak Sok. Bingöl Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size:	A4	Project :	GSM IoT Based Plug&Play SOM	Customer	-		
Date:	3.03.2021	Time:	15:05:05	Product ID	-		
File:	Serial ID EEPROM.SchDoc	Sheet	52 of 54	Module ID	B100		
				Version	AA		
				Revision	R06		


## EEPROM

<https://www.github.com/akkoyun/B100>

Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	<b>Ovoo Electronics</b> Necip Fazıl Mah. Ortairmak Sok. Bırgıld Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size: A4		Project : GSM İot Based Plug&Play SOM		Customer	-		
Date: 3.03.2021		Time: 15:05:05		Product ID	-		
File: EEPROM.SchDoc		Sheet 53 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		

Analog Digital Converter



Power Source Segment Block Diagram				Engineer	Mehmet Güneç Akkoyun	Ovoo Electronics Necip Fazıl Mah. Ortarmak Sok. Bırgül Apt. No: 19/6 Meram / Konya Türkiye +90 506 7444300	
Size: A4		Project : GSM İot Based Plug&Play SOM		Customer	-		
Date: 3.03.2021		Time: 15:05:05		Product ID	-		
File: Analog Digital Converter.SchDoc		Sheet 54 of 54		Module ID	B100		
				Version	AA		
				Revision	R06		