

A

A

B

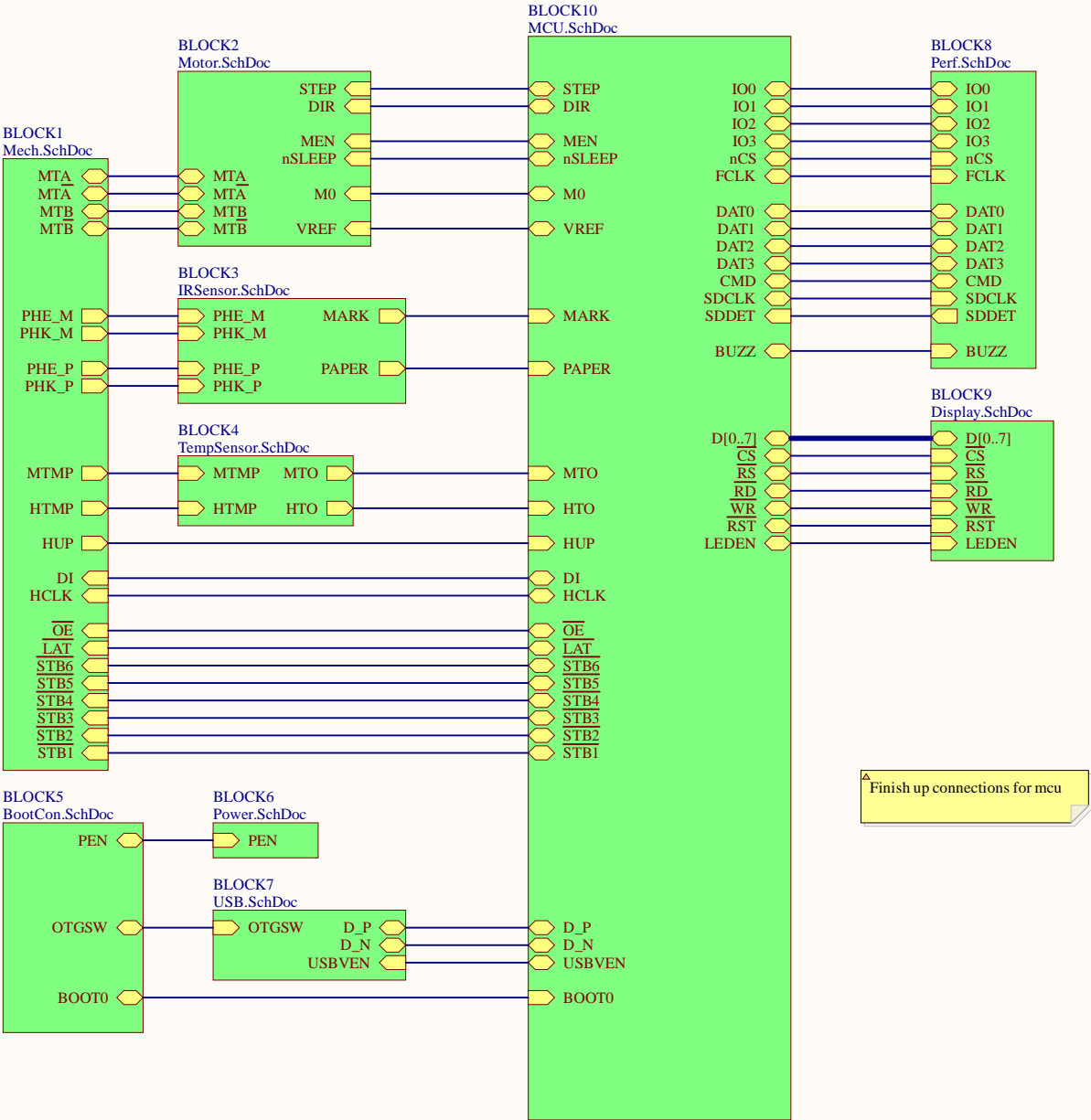
B

C

C

D

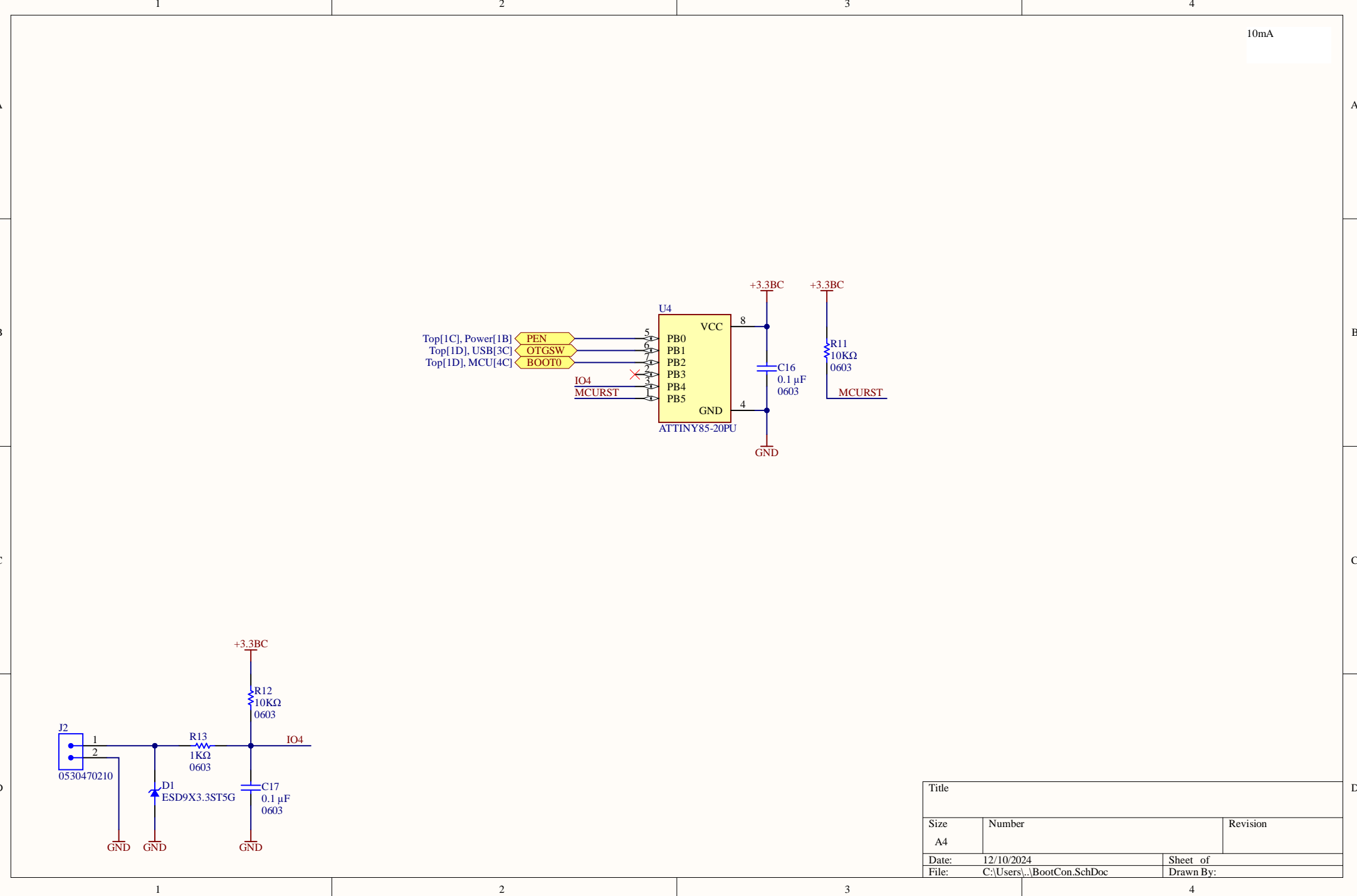
D



Finish up connections for mcu

Title		
Size	Number	Revision
A4		
Date:	12/10/2024	Sheet of
File:	C:\Users\...\Top.SchDoc	Drawn By:





Title		
Size	Number	Revision
A4		
Date:	12/10/2024	Sheet of
File:	C:\Users\...\BootCon.SchDoc	Drawn By:





A

B

C

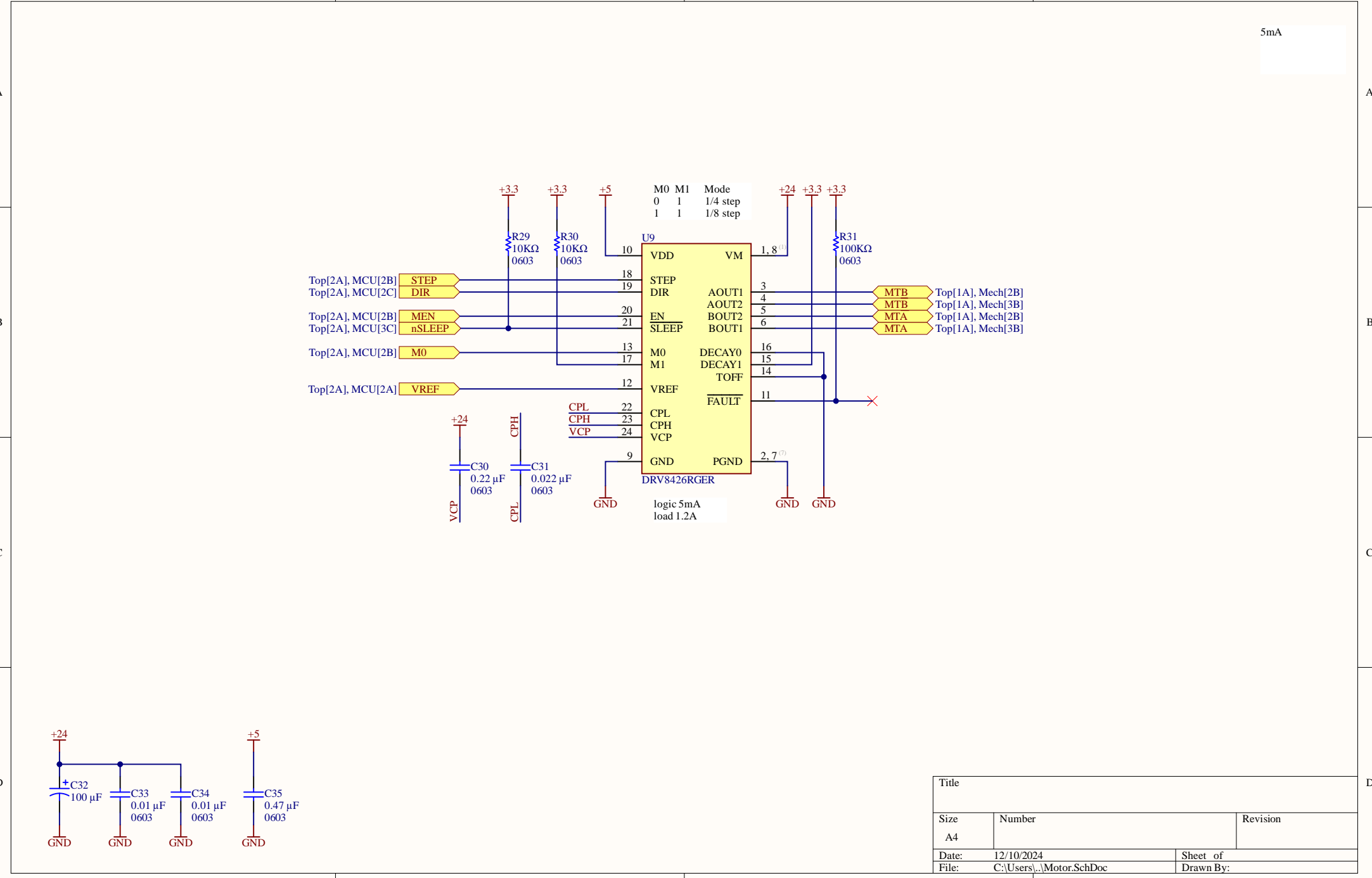
D

A

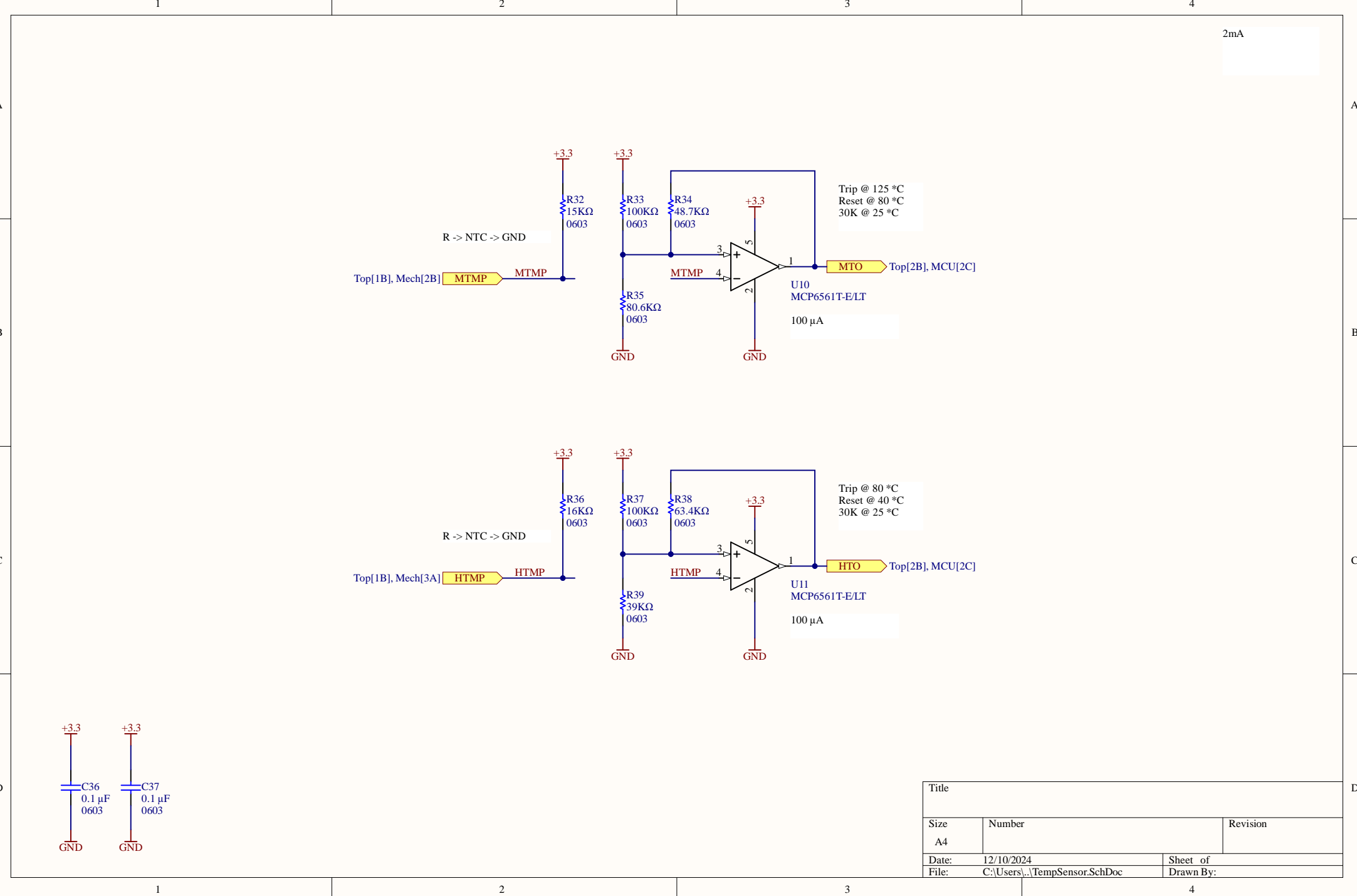
B

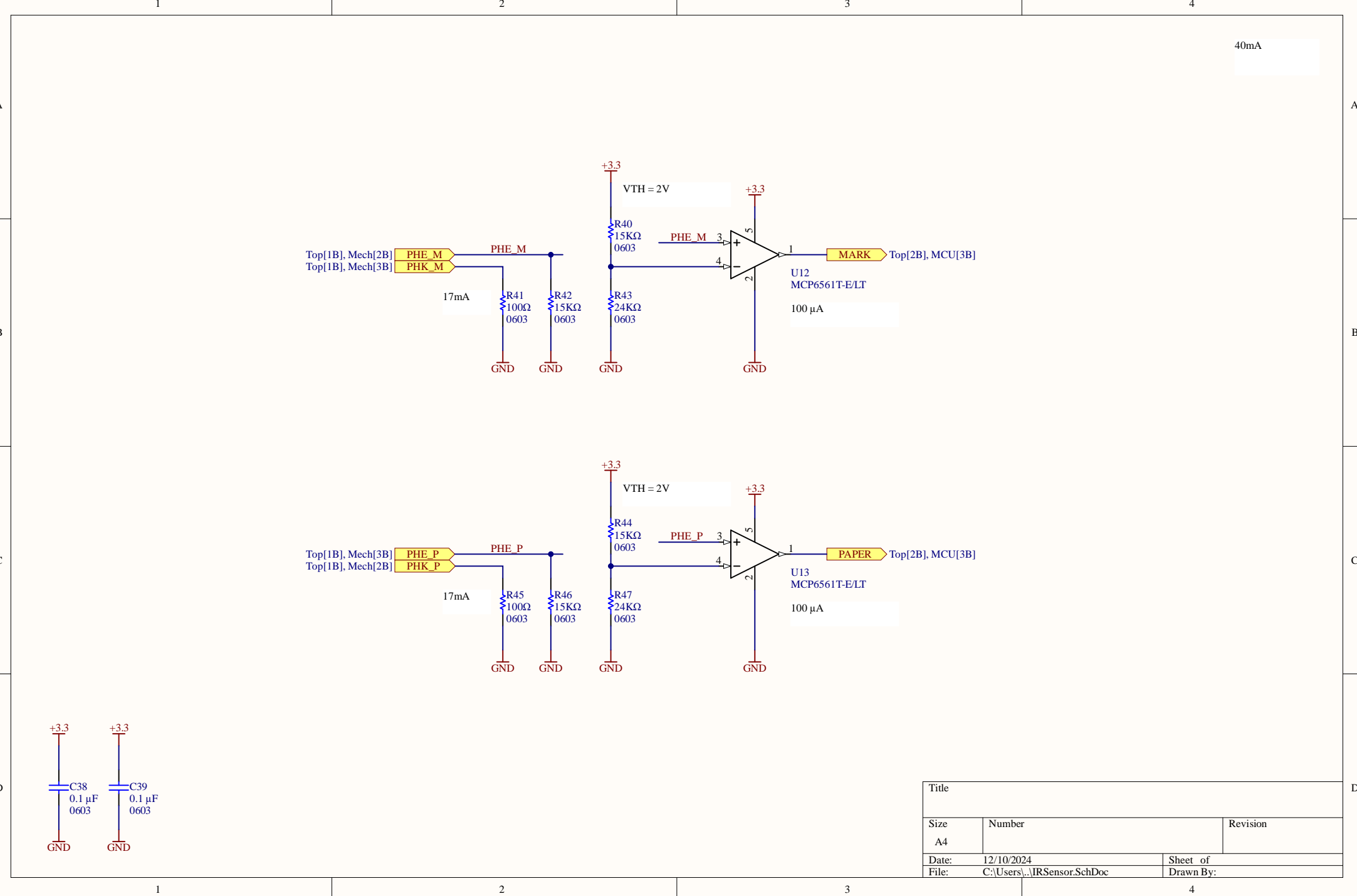
C

D



Title		
Size	Number	Revision
A4		
Date:	12/10/2024	Sheet of
File:	C:\Users\...\Motor.SchDoc	Drawn By:





40mA

+3.3

VTH = 2V

R40  
15KΩ  
0603

R43  
24KΩ  
0603

GND

+3.3

GND

Top[1B], Mech[2B]  
Top[1B], Mech[3B]

PHE\_M  
PHK\_M

PHE\_M

17mA

R41  
100Ω  
0603

GND

R42  
15KΩ  
0603

GND

PHE\_M

1

U12  
MCP6561T-E/LT

100 µA

MARK

Top[2B], MCU[3B]

+3.3

VTH = 2V

R44  
15KΩ  
0603

R47  
24KΩ  
0603

GND

+3.3

GND

Top[1B], Mech[3B]  
Top[1B], Mech[2B]

PHE\_P  
PHK\_P

PHE\_P

17mA

R45  
100Ω  
0603

GND

R46  
15KΩ  
0603

GND

PHE\_P

1

U13  
MCP6561T-E/LT

100 µA

PAPER

Top[2B], MCU[3B]

+3.3

C38  
0.1 µF  
0603

GND

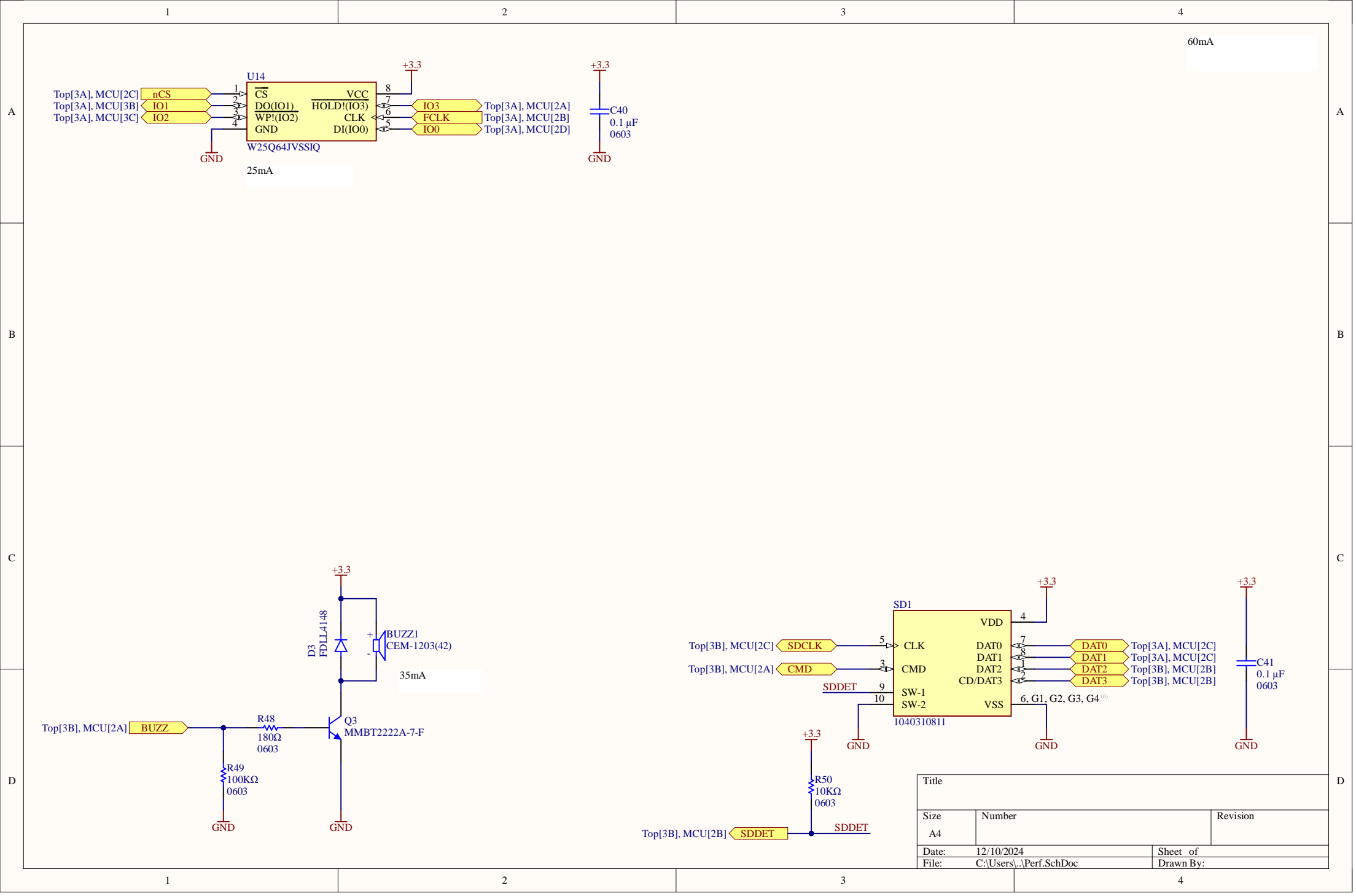
+3.3

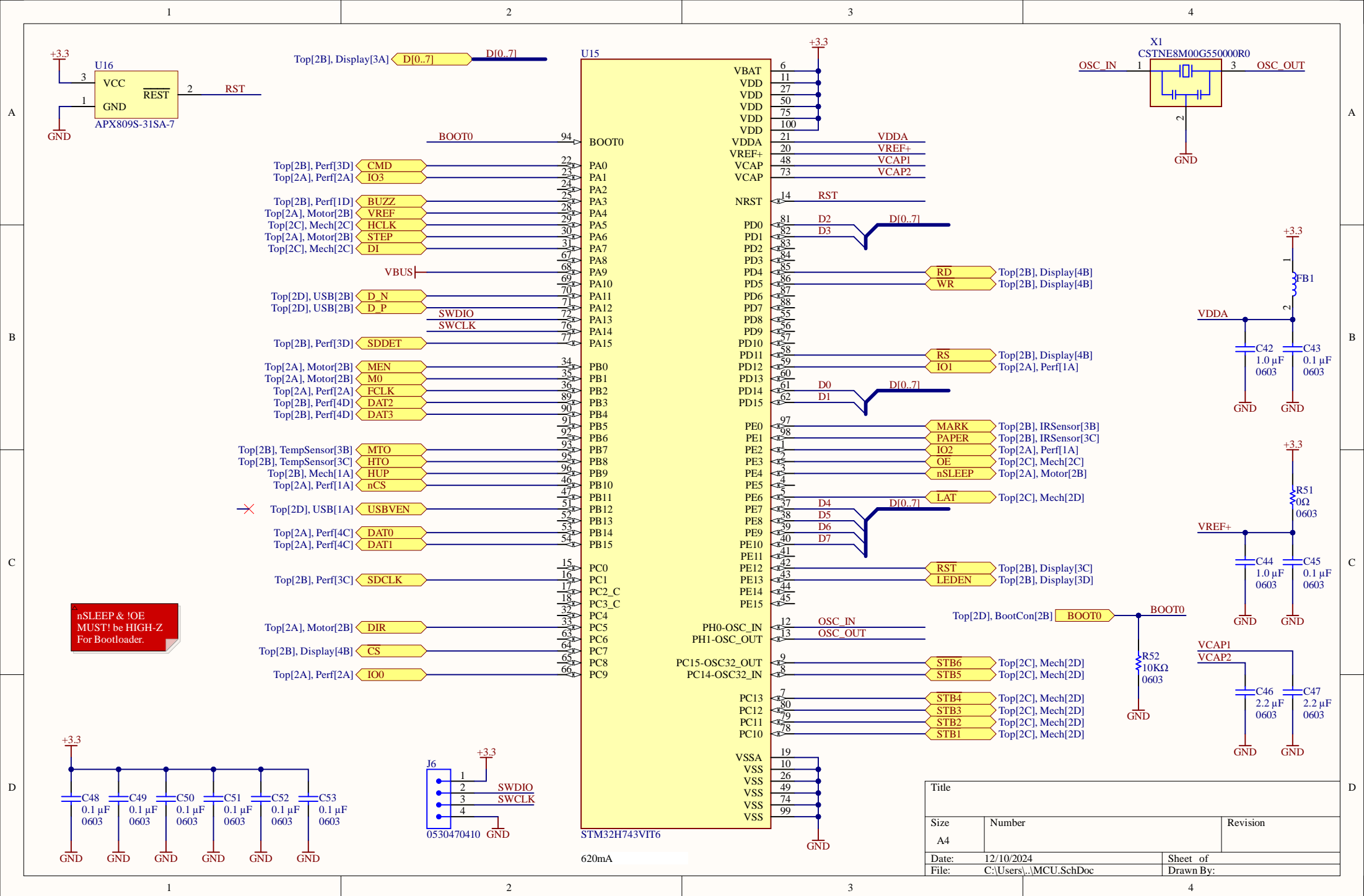
C39  
0.1 µF  
0603

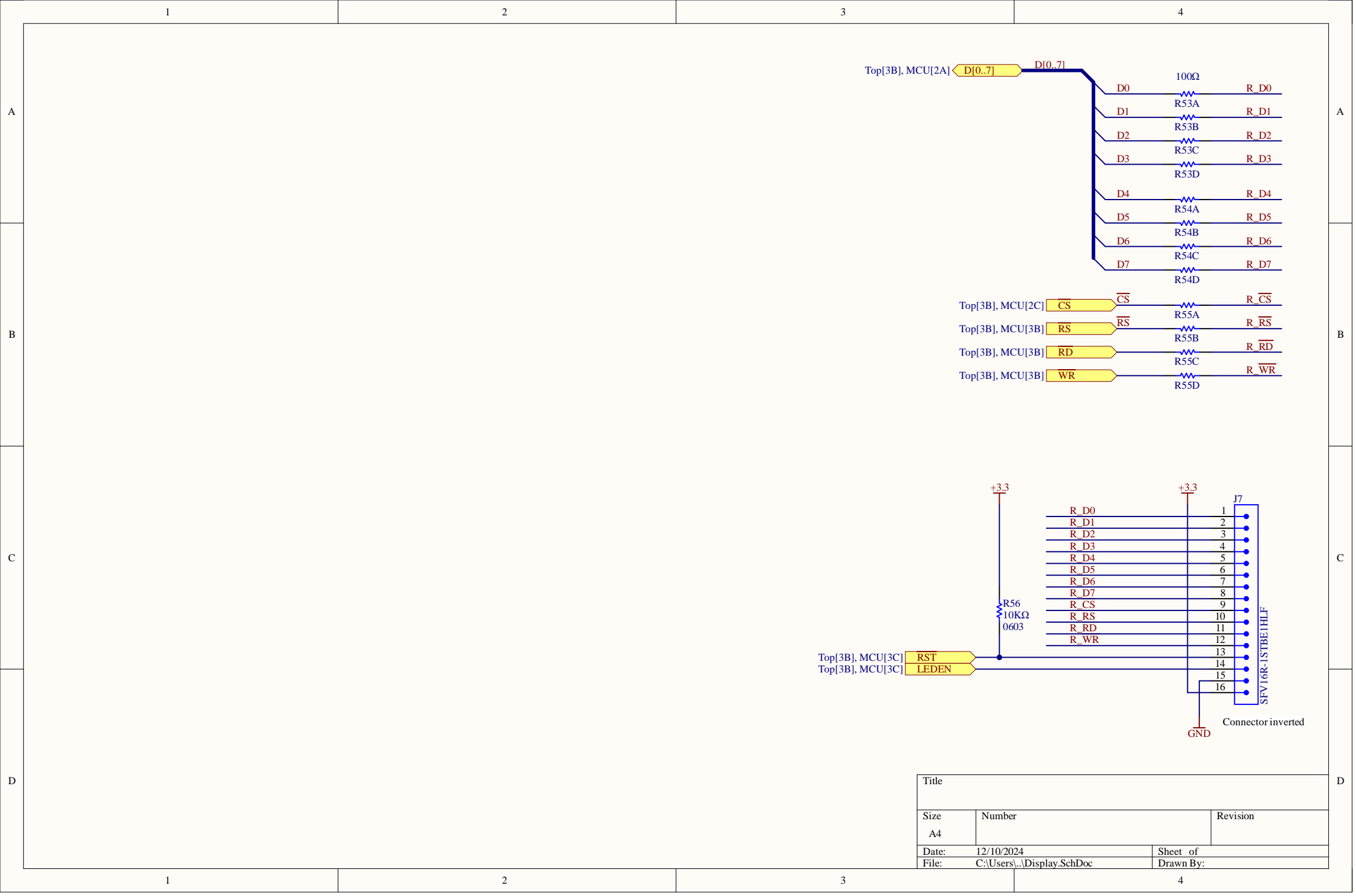
GND

Title		
Size	Number	Revision
A4		
Date:	12/10/2024	Sheet of
File:	C:\Users\...\IRSensor.SchDoc	Drawn By:

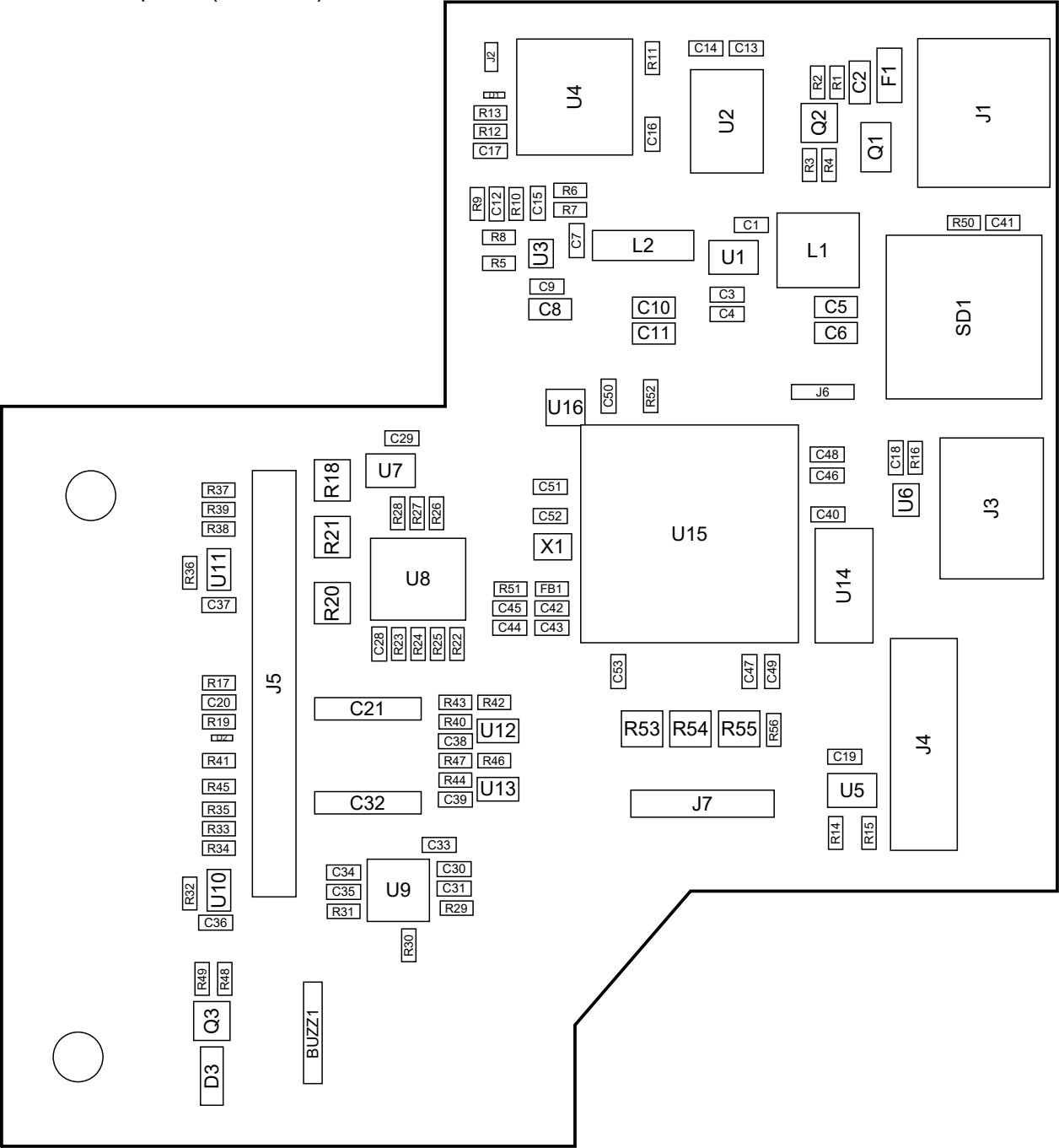








View from Top side (Scale 2:1)



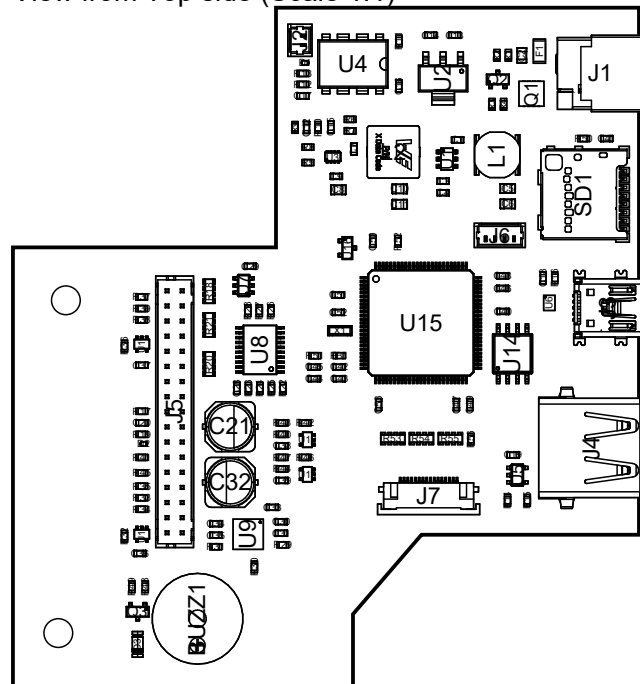
Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
	Surface Material	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.10mm	2313	Dielectric	
Copper	Mid Layer 1	0.02mm		Signal	G1
Core		1.26mm	FR-4	Dielectric	
Copper	Mid Layer 2	0.02mm		Signal	G2
Prepreg		0.10mm	2313	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

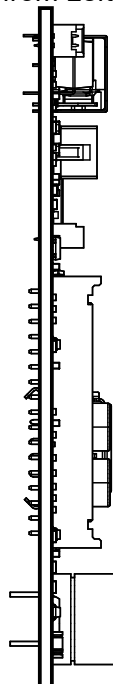
Total thickness: 1.60mm

USE: JLC04161H-3313 Stackup

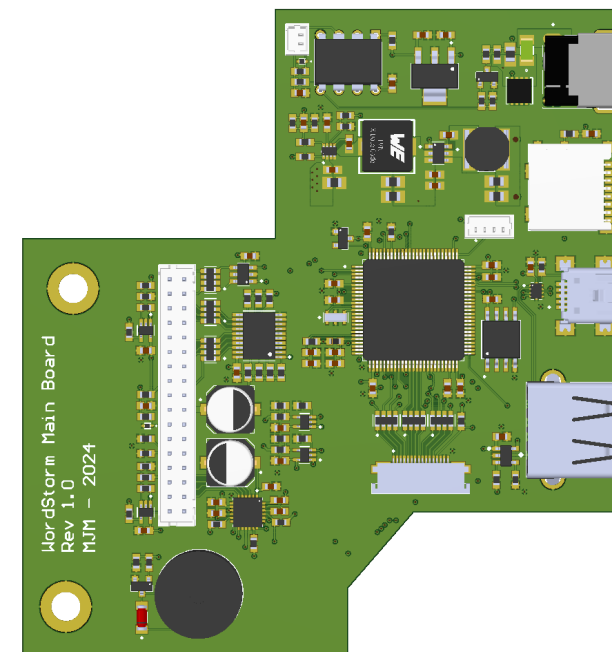
View from Top side (Scale 1:1)



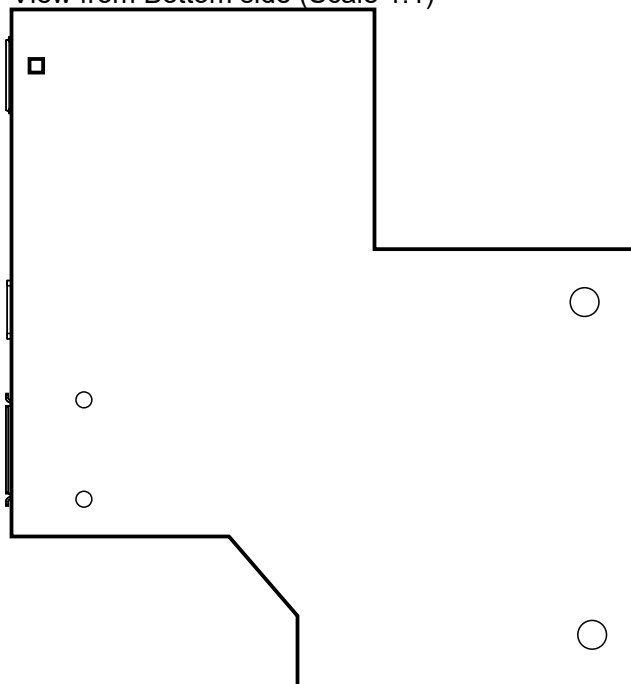
View from Left side (Scale 1:1)



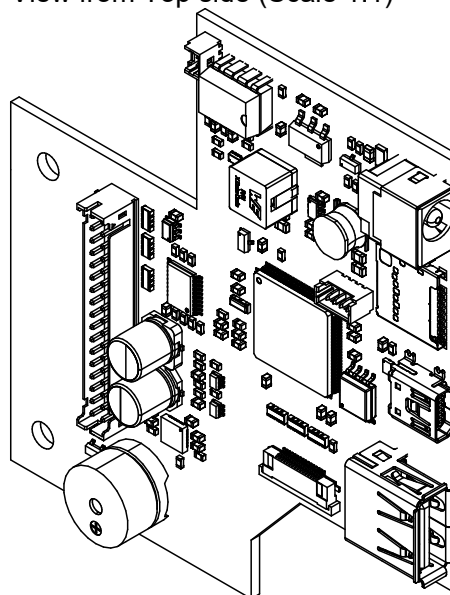
Realistic View



View from Bottom side (Scale 1:1)



View from Top side (Scale 1:1)



Realistic View

