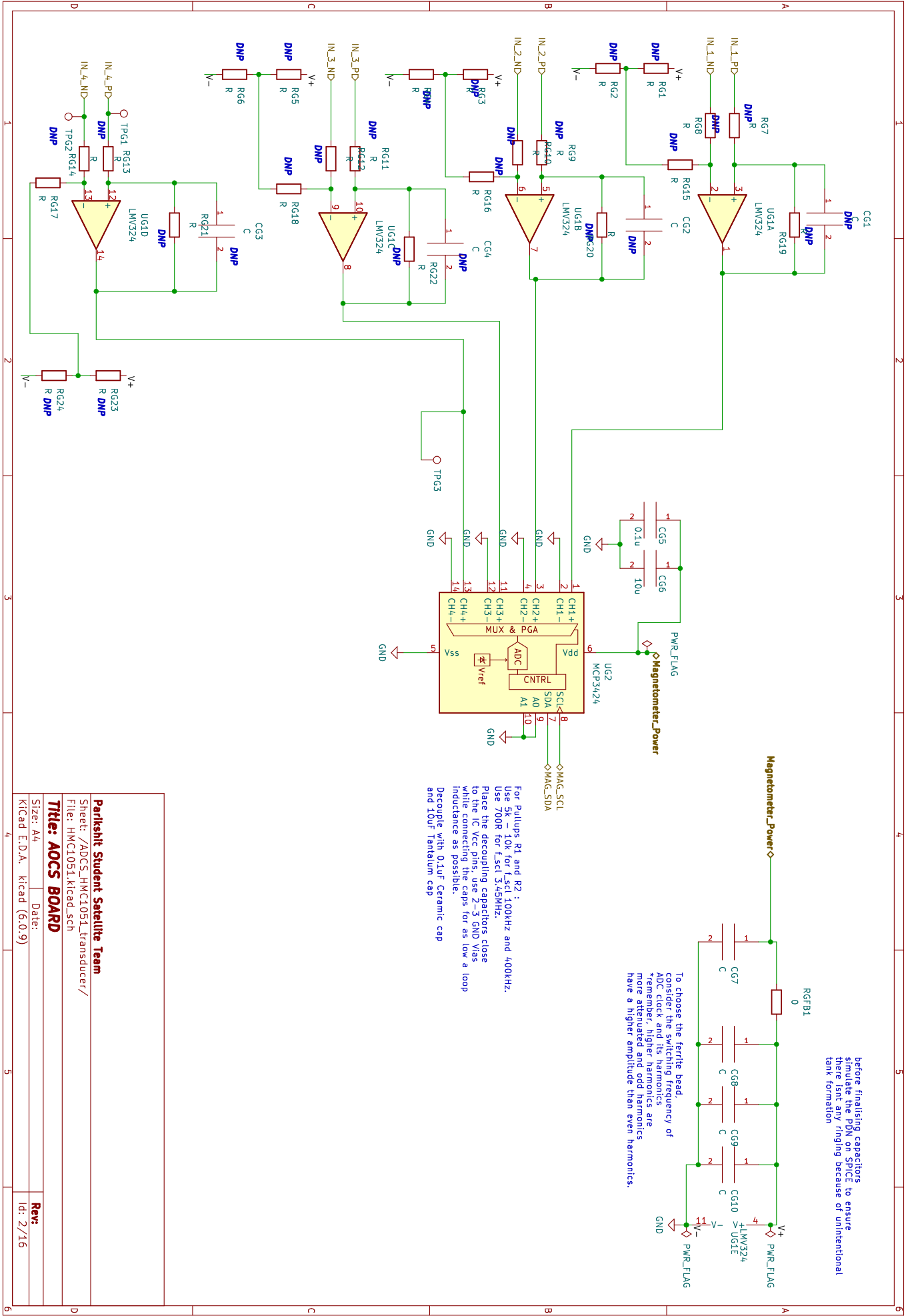


Comments HERE:

TESTPOINT has 2.00mm diameter



Perikshit Student Satellite Team

Sheet: /ADCS_HMC1051_Transducer/

File: HMC1051.kicad_sch

Title: AOCs BOARD

Size: A4

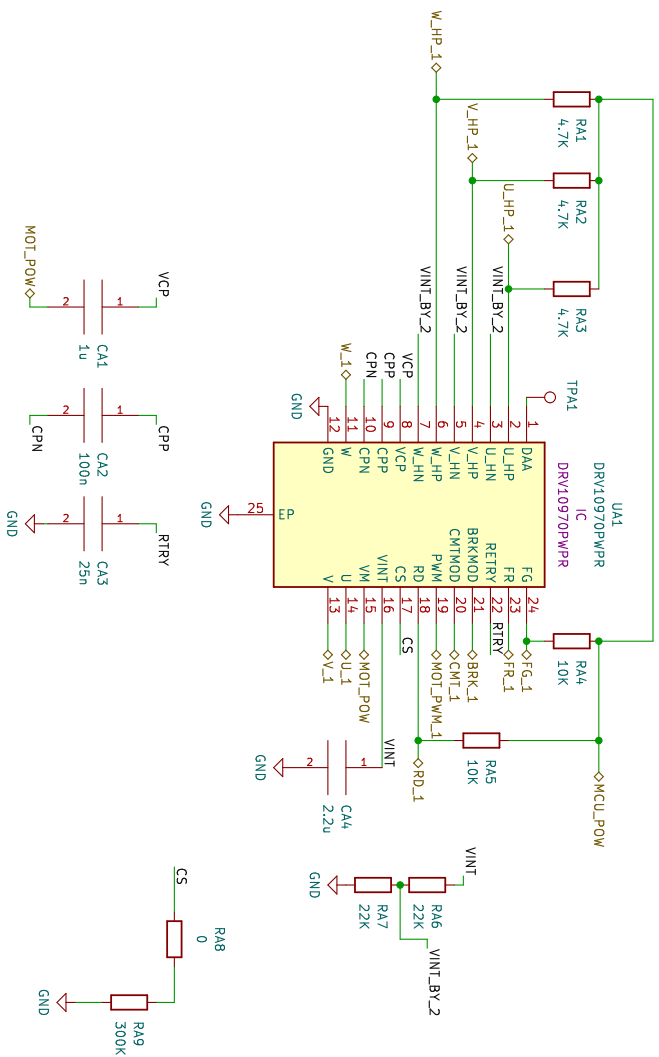
Date:

KiCad E.D.A. kicad (6.0.9)

Rev:

Id: 2/16

A low-ESR ceramic capacitor must be placed in between the VM and VCP pins. TI recommends a value of 1- μ F rated for 16 V. Place this component as close as possible to the pins.



Perkshitt Student Satellite Team

Sheet: /DRV1/
File: DRV1.kicad.sch

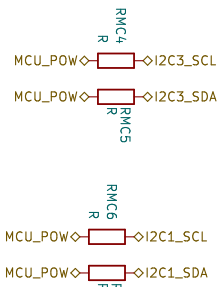
Title: AOCs BOARD

Size: A4 Date:

KiCad E.D.A. kicad (6.0.9)

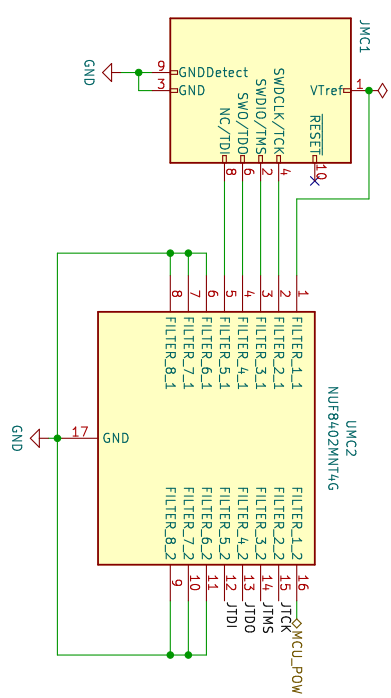
Rev:

Id: 3/16

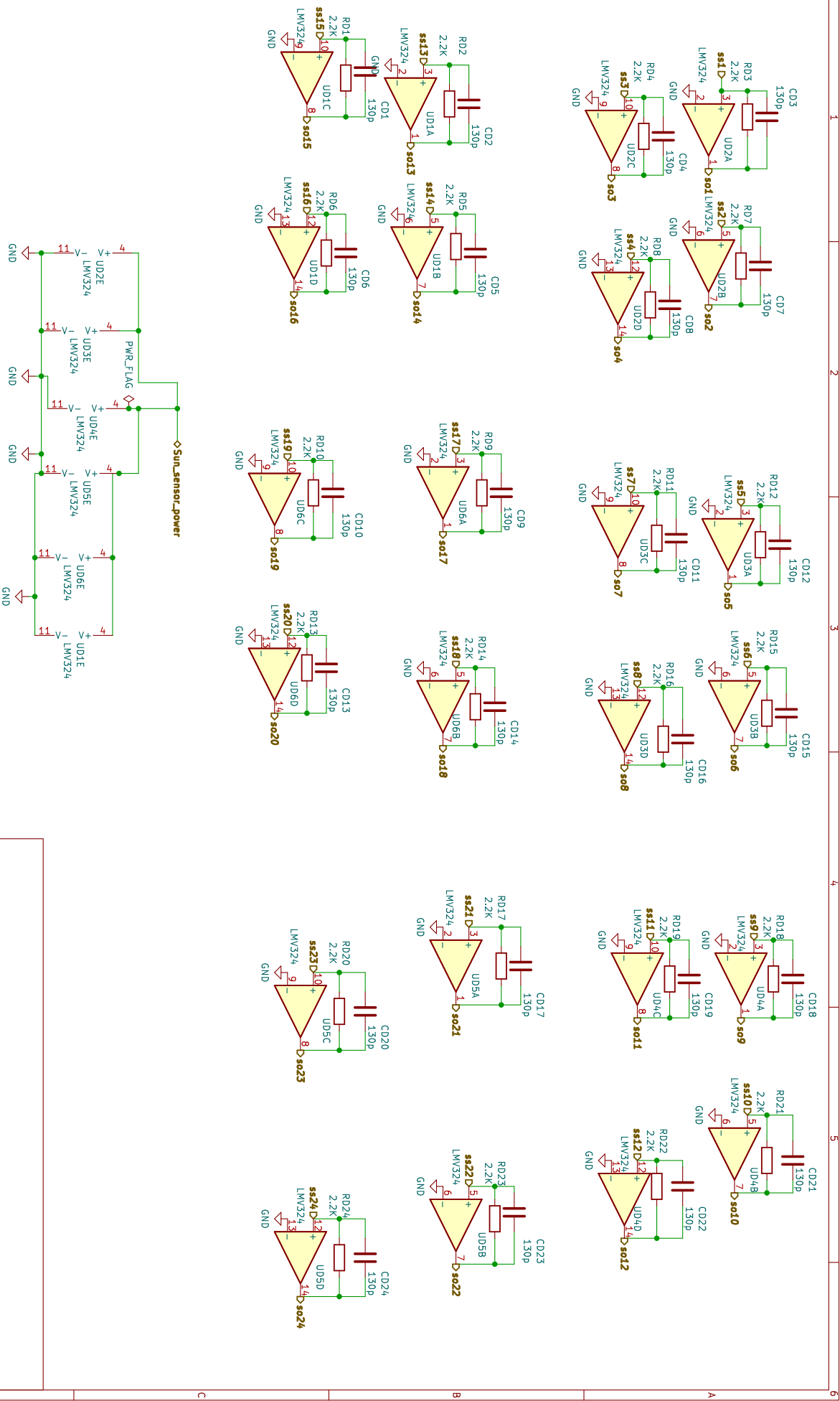


U1MC3
M95P32-1XN1_E
IC
M95P32-1XN1_E

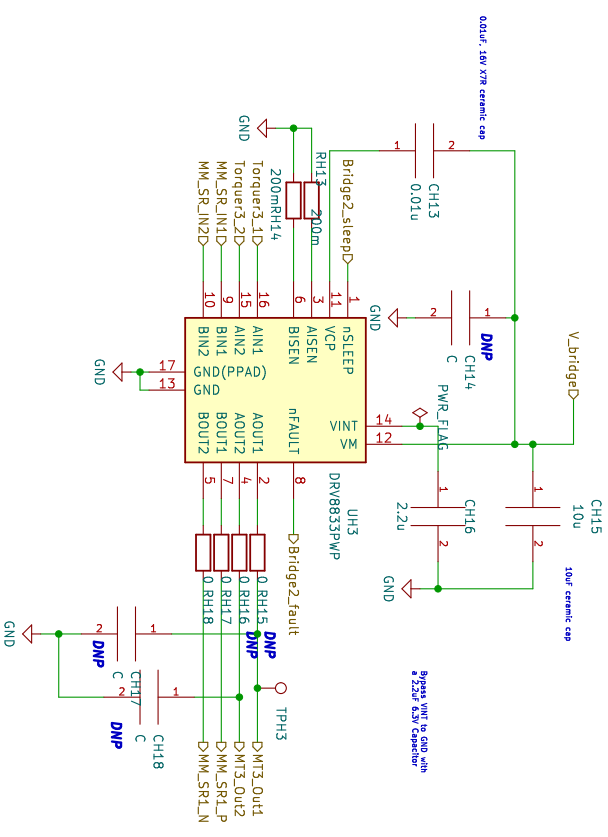
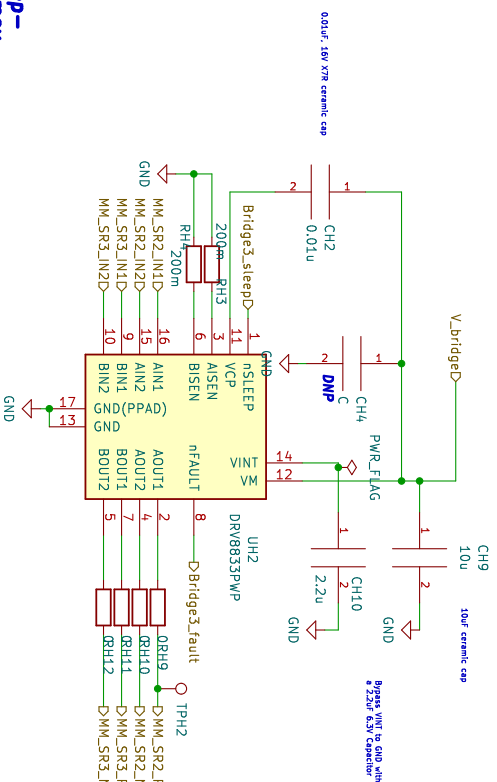
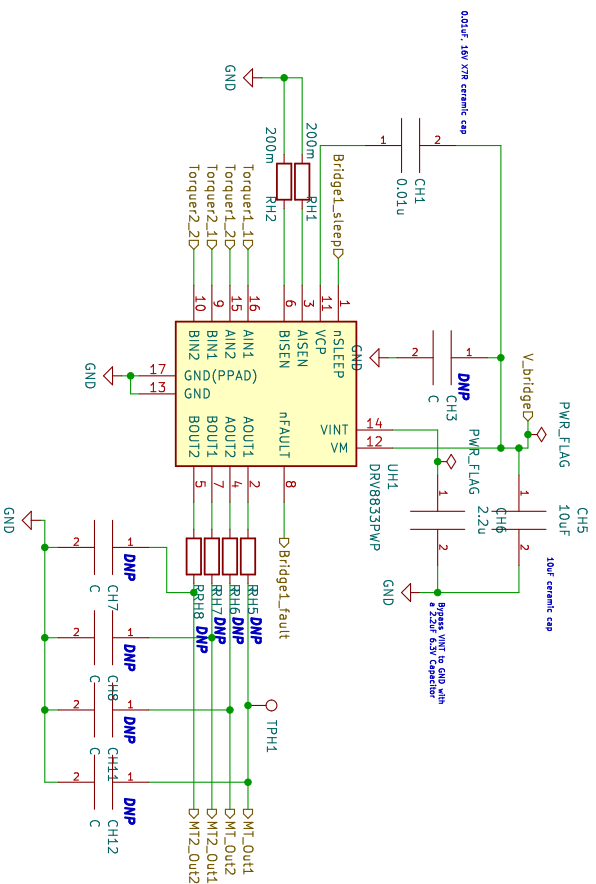
CS
MISO
WP_bar
GND
VSS
D-DQ2
HOLD-DQ3
VCC
OMCI_L POW
HOLD_bar
SPI_SCK
MOSI



Parikshit Student Satellite Team	
Sheet: /MCU/	
File: MCU.kicad.sch	
Title: AOCs BOARD	
Size: A4	Date:
KiCad E.D.A. kicad (6.0.9)	
	Rev:
	Id: 4 / 16



Perikshit Student Satellite Team	
Sheet: /SS_opamp/	
File: SS_opamp.kicad.sch	
Title: AOCs BOARD	
Size: A4	Date:
Kicad E.D.A. kicad (6.0.9)	
Rev:	
Id: 5/16	



nsleep-
Low - 0.5V max
High - 2.5V min

Perikshit Student Satellite Team

Sheet: /H_bridge/
File: H_bridge.kicad.sch

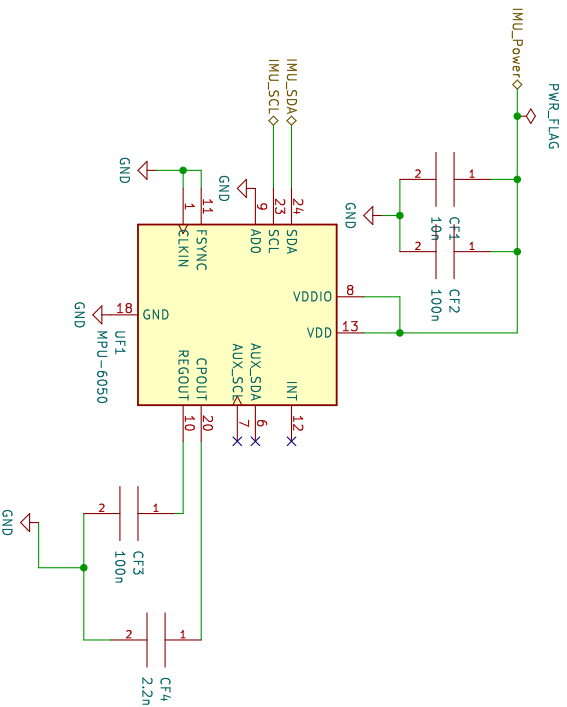
Title: AOCs BOARD

Size: A4 Date:

KiCad E.D.A. kicad (6.0.9)

Rev:

Id: 7/16



Perikshit Student Satellite Team

Sheet: /Gyro/
File: Gyro.kicad_sch

Title: AOCs BOARD

Size: A4

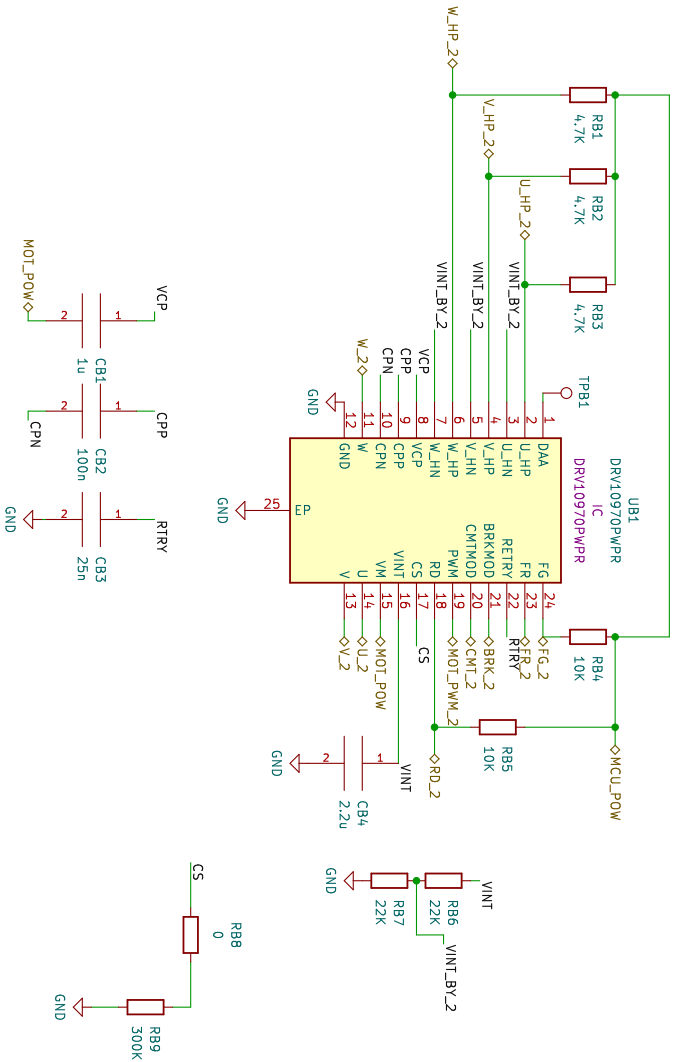
Date:

KiCad E.D.A. kicad (6.0.9)

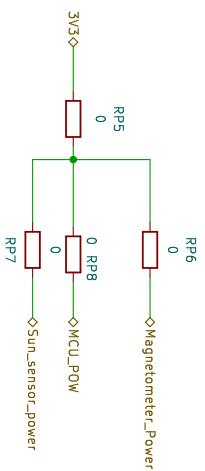
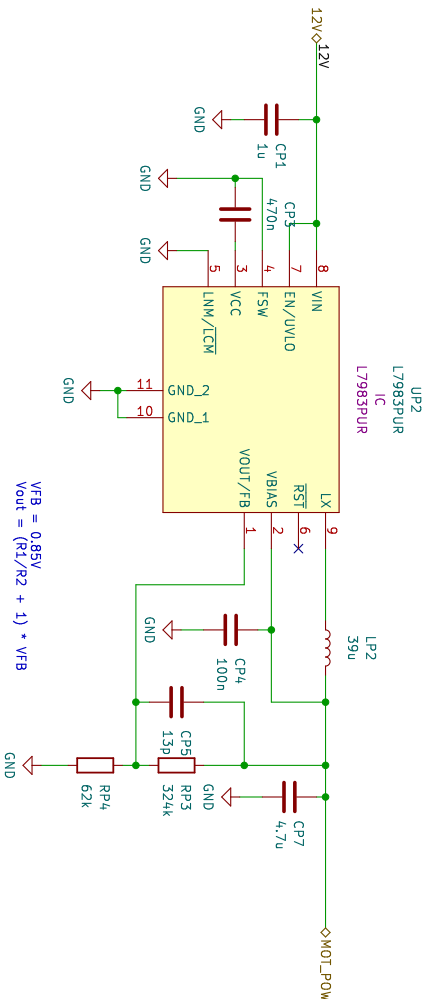
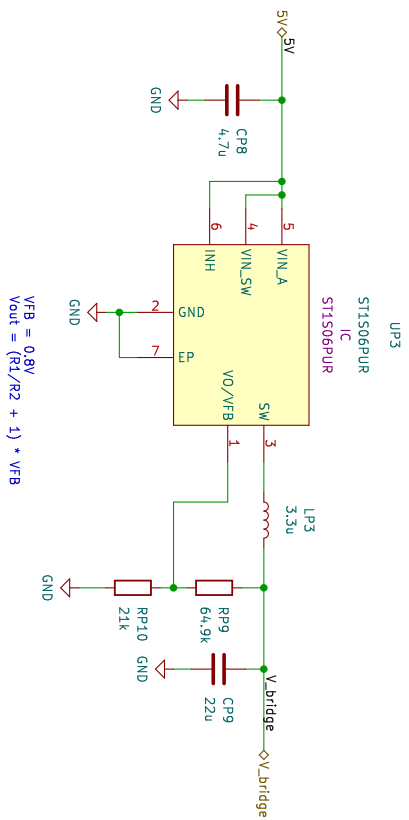
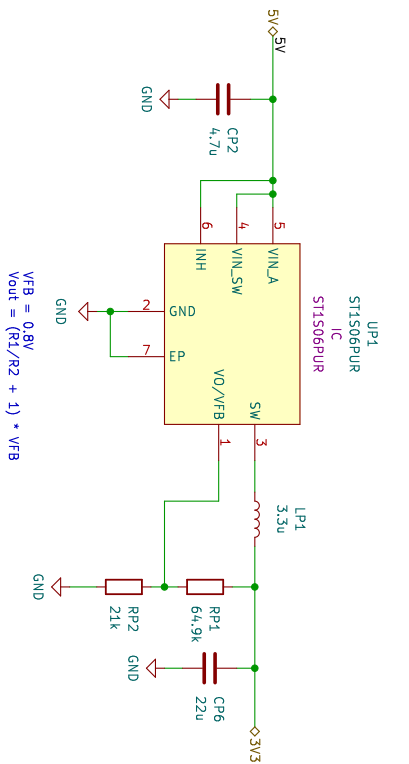
Rev:

Id: 8/16

A low-ESR ceramic capacitor must be placed in between the VM and VCP pins. TI recommends a value of 1-µF rated for 16 V. Place this component as close as possible to the pins.



Perikshit Student Satellite Team	
Sheet: /DRV2/	
File: DRV2.kicad.sch	
Title: AOCs BOARD	
Size: A4	Date:
KiCad E.D.A. kicad (6.0.9)	Rev: Id: 11/16



Perkashit Student Satellite Team

Sheet: /Power/
File: Power.kicad.sch

Title: AOCs BOARD

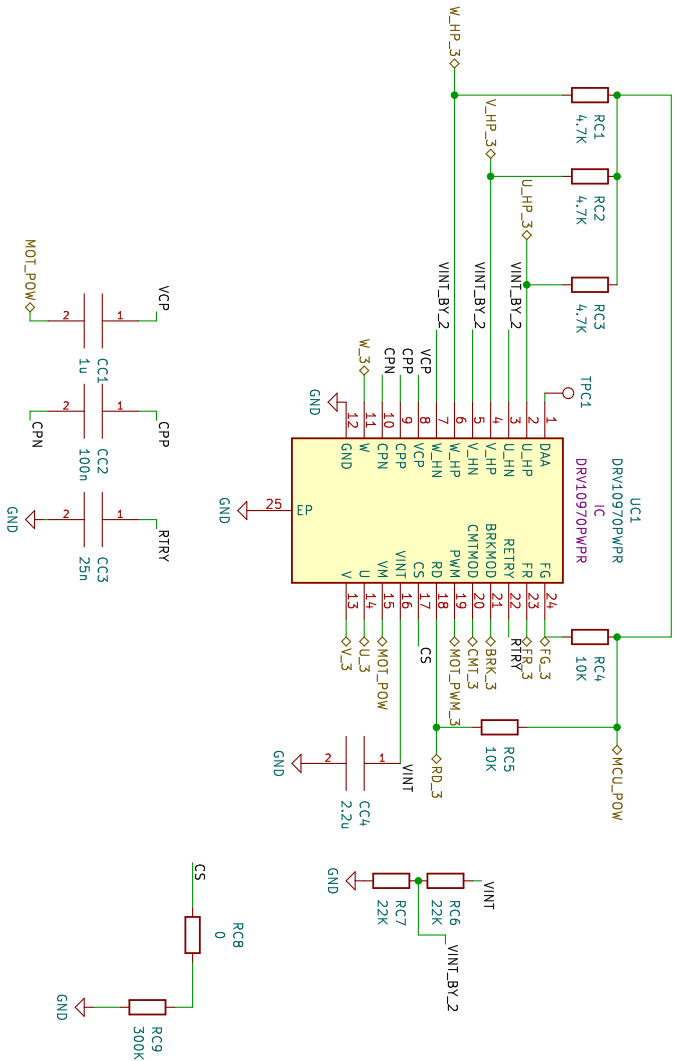
Size: A4 Date:

KiCad E.D.A. kicad (6.0.9)

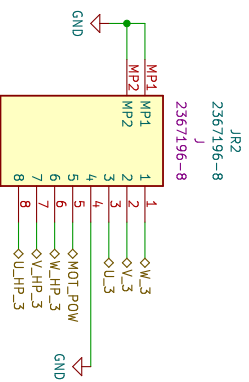
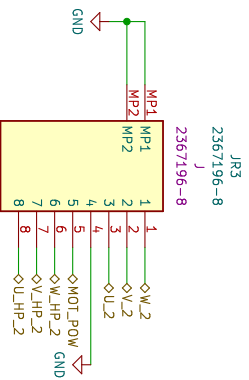
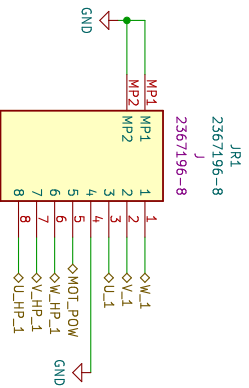
Rev:

Id: 11/16

A low-ESR ceramic capacitor must be placed in between the VM and VCP pins. TI recommends a value of 1-µF rated for 16 V. Place this component as close as possible to the pins.



Perkshitt Student Satellite Team	
Sheet: /DRV3/	
File: DRV3.kicad.sch	
Title: AOCs BOARD	
Size: A4	Date:
Kicad E.D.A. kicad (6.0.9)	
Rev:	
Id: 12/16	



Perikshit Student Satellite Team

Sheet: /Motor_connectors.kicad_sch

File: Motor_connectors.kicad_sch

Title: AOCs BOARD

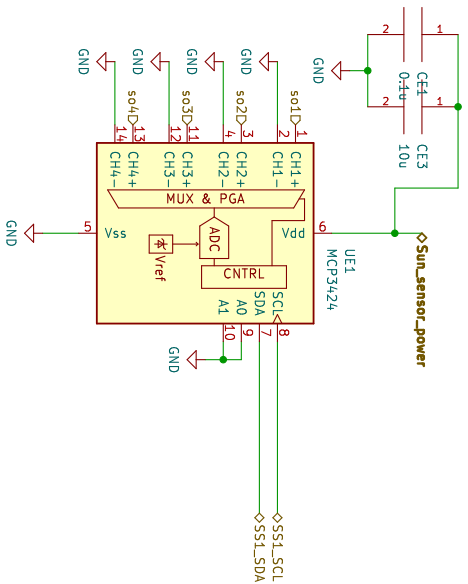
Size: A4

Date:

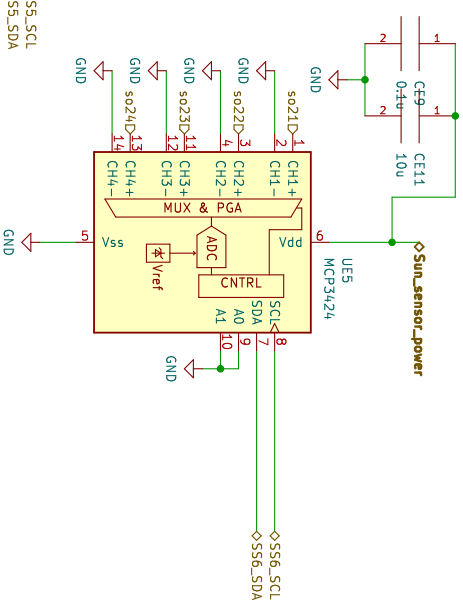
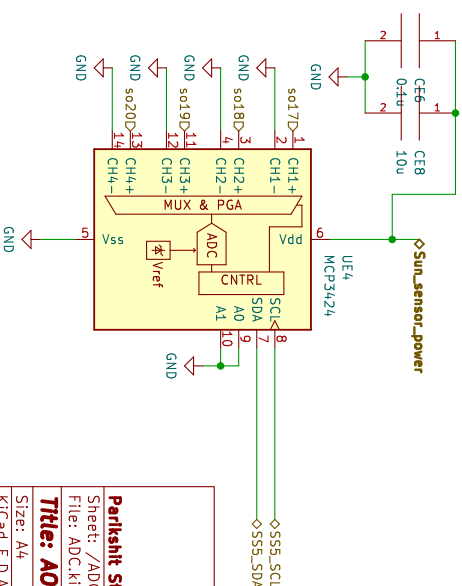
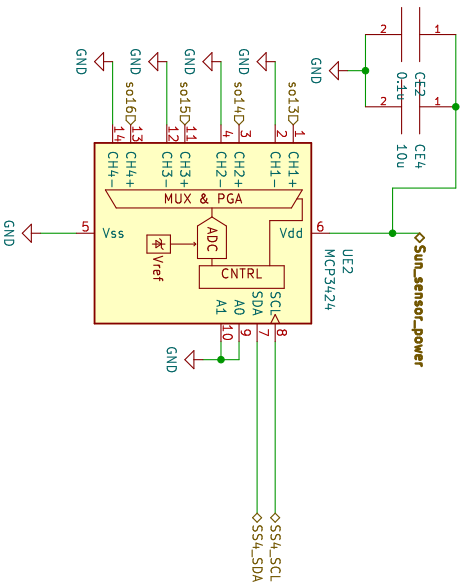
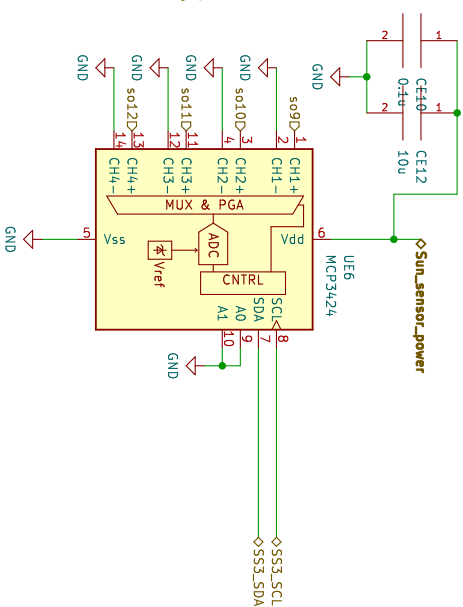
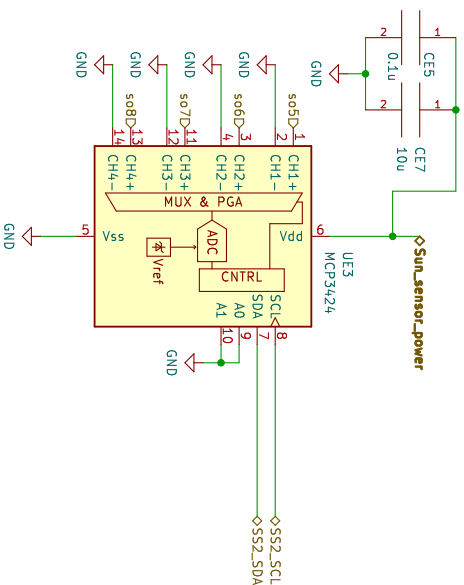
KiCad E.D.A. kicad (6.0.9)

Rev:

Id: 13/16



Decouple with 0.1uF Ceramic cap
and 10uF Tantalum cap



Perikshit Student Satellite Team

Sheet: /ADC/
File: ADC_kicad.sch

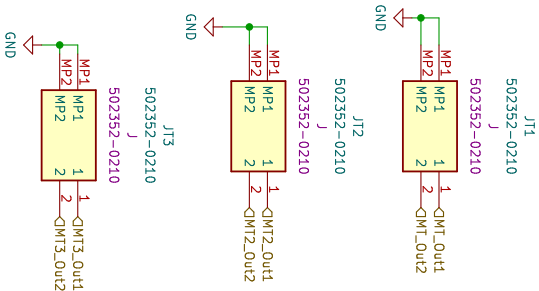
Title: AOCs BOARD

Size: A4 Date:

KiCad E.D.A. kicad (6.0.9)

Rev:

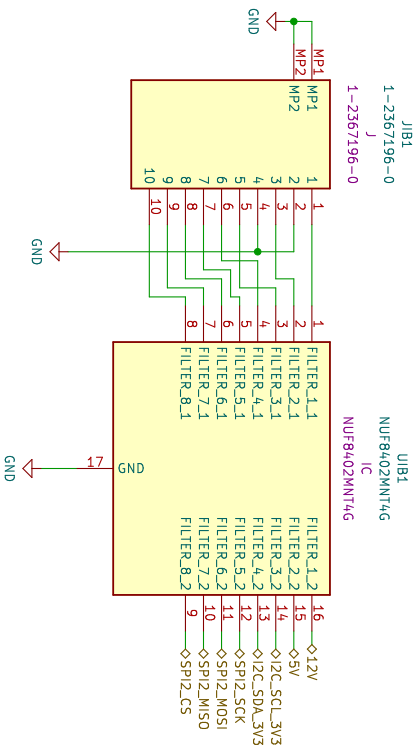
Id: 13/16



Perikshit Student Satellite Team			
Sheet: /Torquer_connectors/			
File: Torquer_connectors.kicad_sch			
Title: AOCs BOARD			
Size: A4	Date:	Rev:	
KiCad E.D.A. kicad (6.0.9)		Id: 14/16	

Sheet Comments :

Route ESD Diode close to connector



Perikshit Student Satellite Team

Sheet: /interboard/

File: interboard.kicad.sch

Title: AOCs BOARD

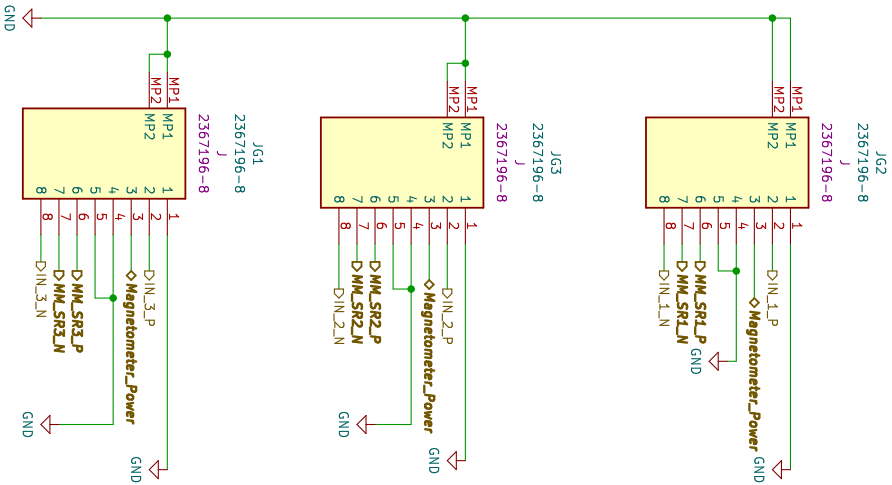
Size: A4

Date:

KiCad E.D.A. kicad (6.0.9)

Rev:

Id: 15/16



Perikshit Student Satellite Team
Sheet: /Mag_connectors/
File: Mag_connectors.kicad_sch

Title: AOCs BOARD

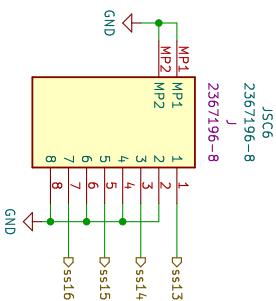
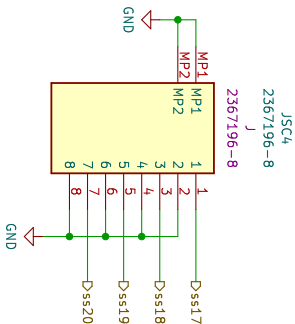
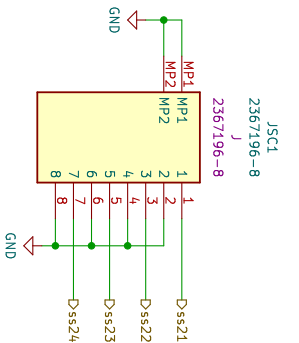
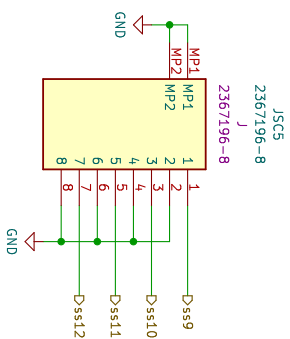
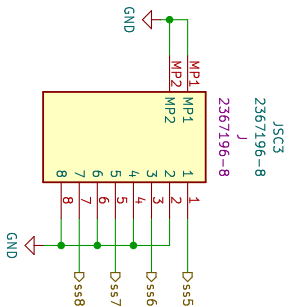
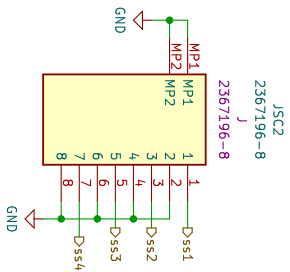
Size: A4

Date:

KiCad E.D.A. kicad (6.0.9)

Rev:

Id: 15/16



Perikshit Student Satellite Team

Sheet: /SS_Connector/
File: SS_Connector.kicad_sch

Title: AOCs BOARD

Size: A4

Date:

KiCad E.D.A. kicad (6.0.9)

Rev:

Id: 16/16