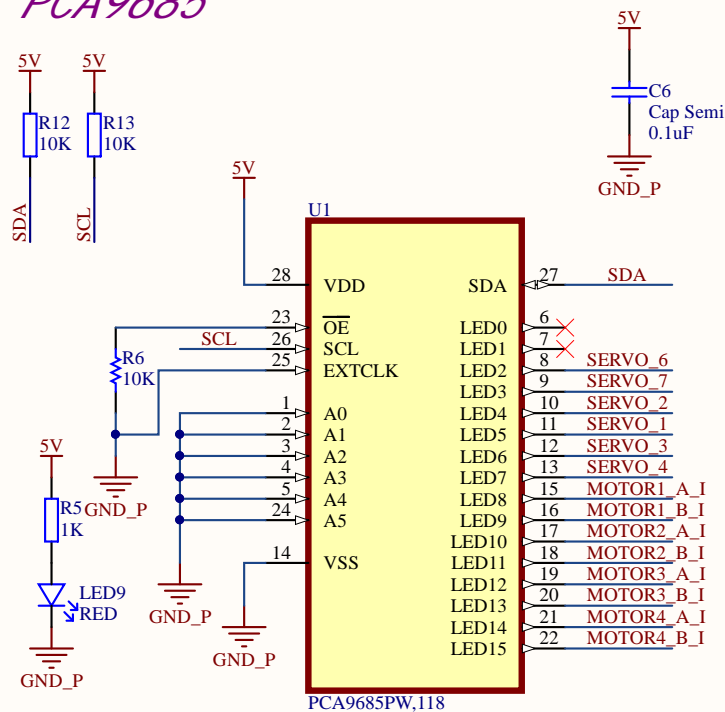
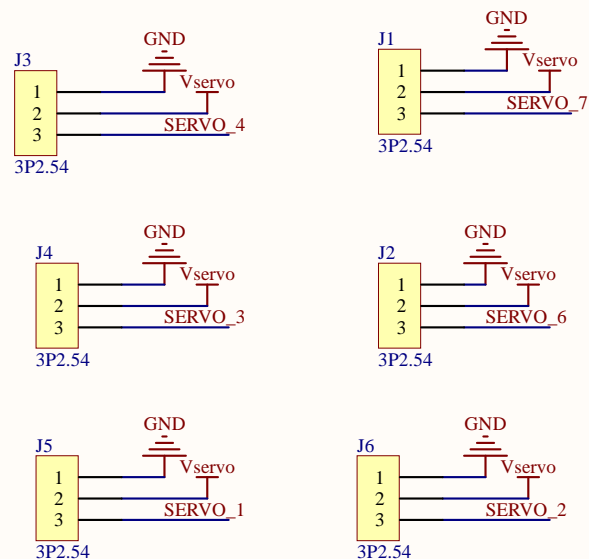


PCA9685

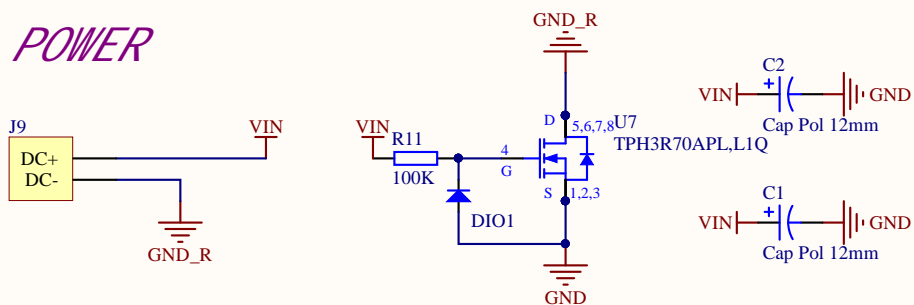


Servo Out



Note: servo power is an adjustable buck converter, the target voltage is set for MG996R is 7.5V

POWER



Servo Power



SERVO_6
SERVO_7
SERVO_2
SERVO_1
SERVO_3
SERVO_4
MOTOR1_A_I
MOTOR1_B_I
MOTOR2_A_I
MOTOR2_B_I
MOTOR3_A_I
MOTOR3_B_I
MOTOR4_A_I
MOTOR4_B_I

Title **Makerbot Motorshields**

Size: A

CN: BANHMI

Revision: B.12.2

Date: 6/25/2025

Time: 6:55:34 AM

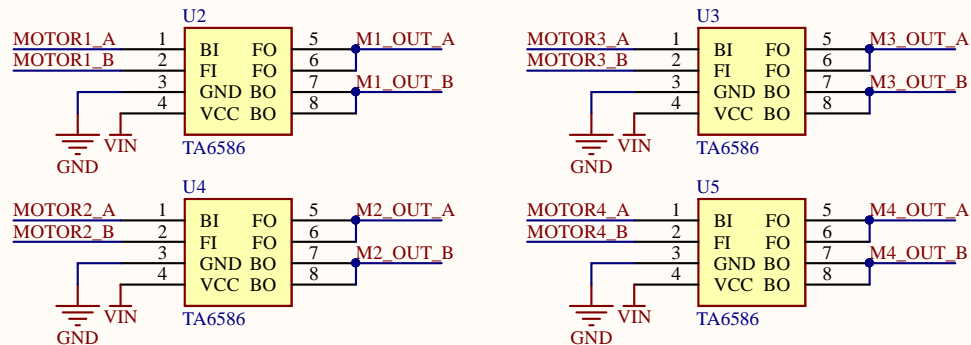
Sheet 1 of 2

File: D:\Rogo\Via\Via_2025\Congsuat\VIA_MOTORS.SchDoc

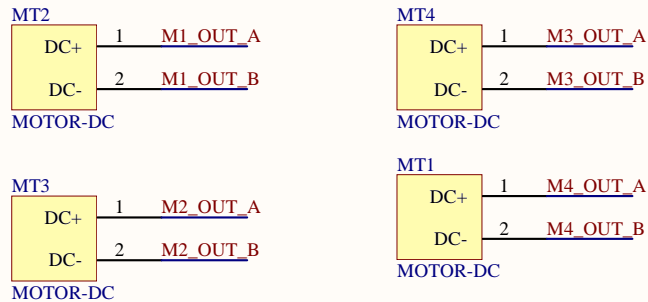
Maker Việt
29 Dương Khuê
2022 VIA Project
Draw by:
Tú Đặng

Cannot open file
C:\Users\AnhTu\Downloads
Maker_Viet-transparent.png

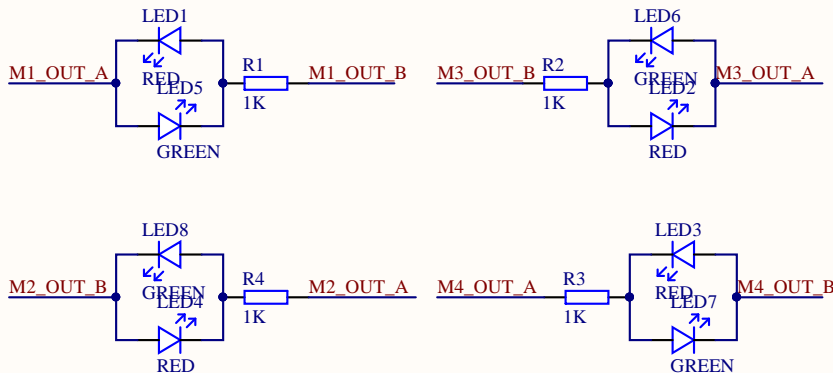
H bridges



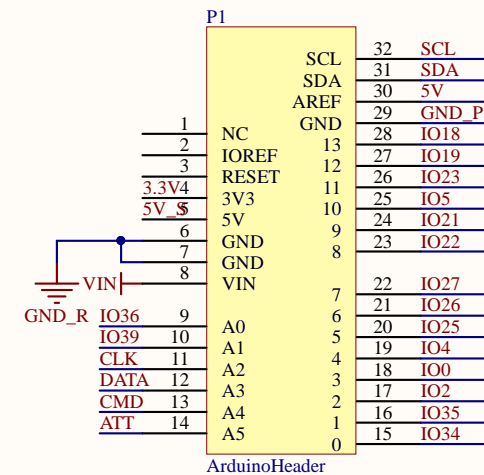
DC Motor connectors



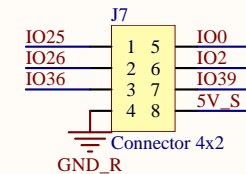
DC Motors LEDs



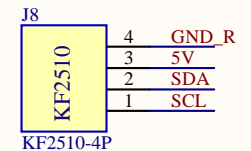
Ardui no header



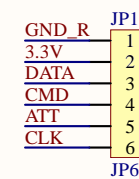
IR Line sensor



I2C header



PS2 header



Title **Makerbot Motorshields**

Size: A

CN: BANHMI

Revision: B.12.2

Date: 6/25/2025

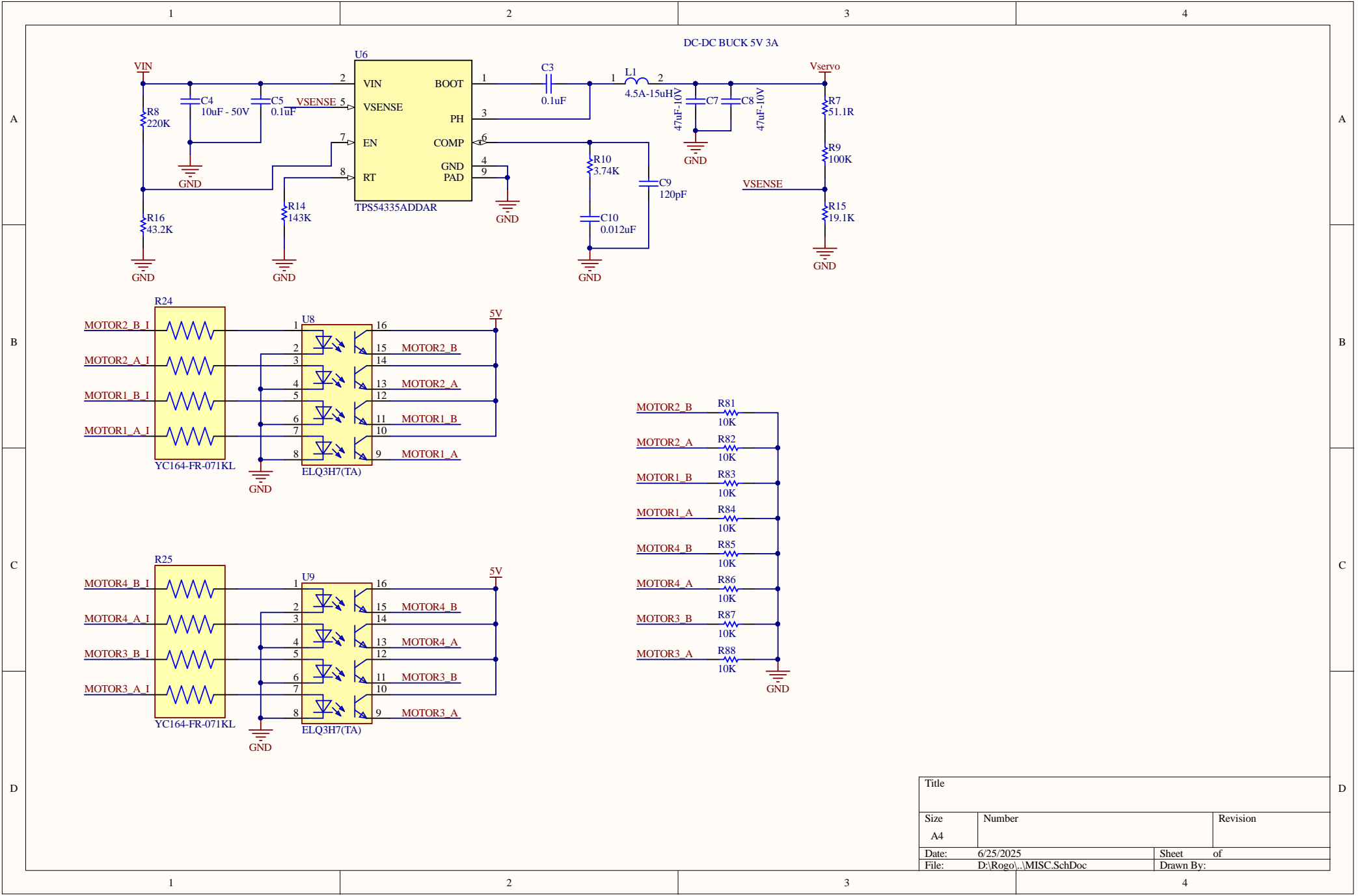
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Sheet 2 of 2

File: D:\Rogo\Via\Via 2025\Congsuat\H-bridge_connector.SchDoc

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2022 VIA Project
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Tú Đ'ng

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Maker_Viet-transparent.png



Title		
Size A4	Number	Revision
Date:	6/25/2025	Sheet of
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