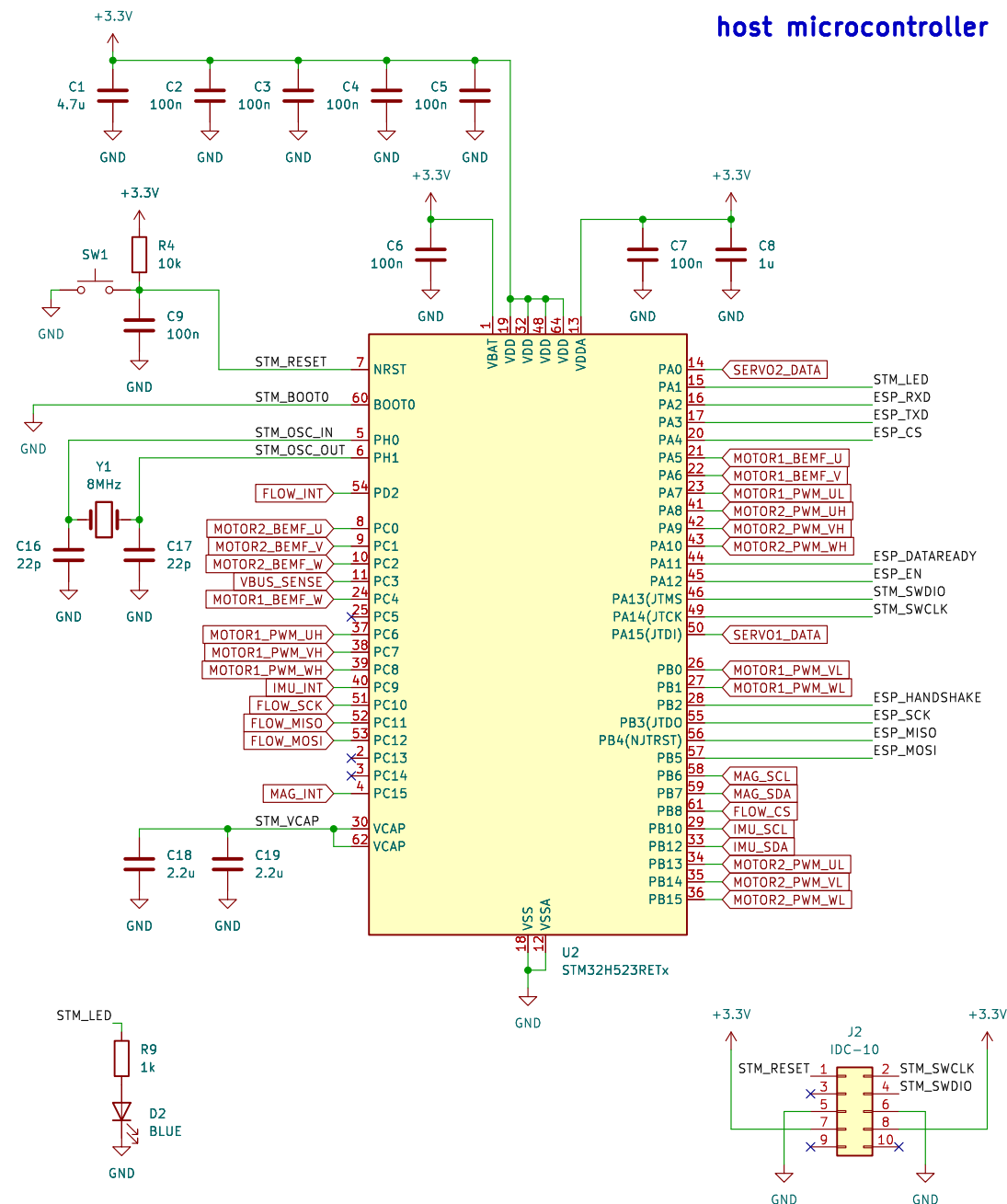
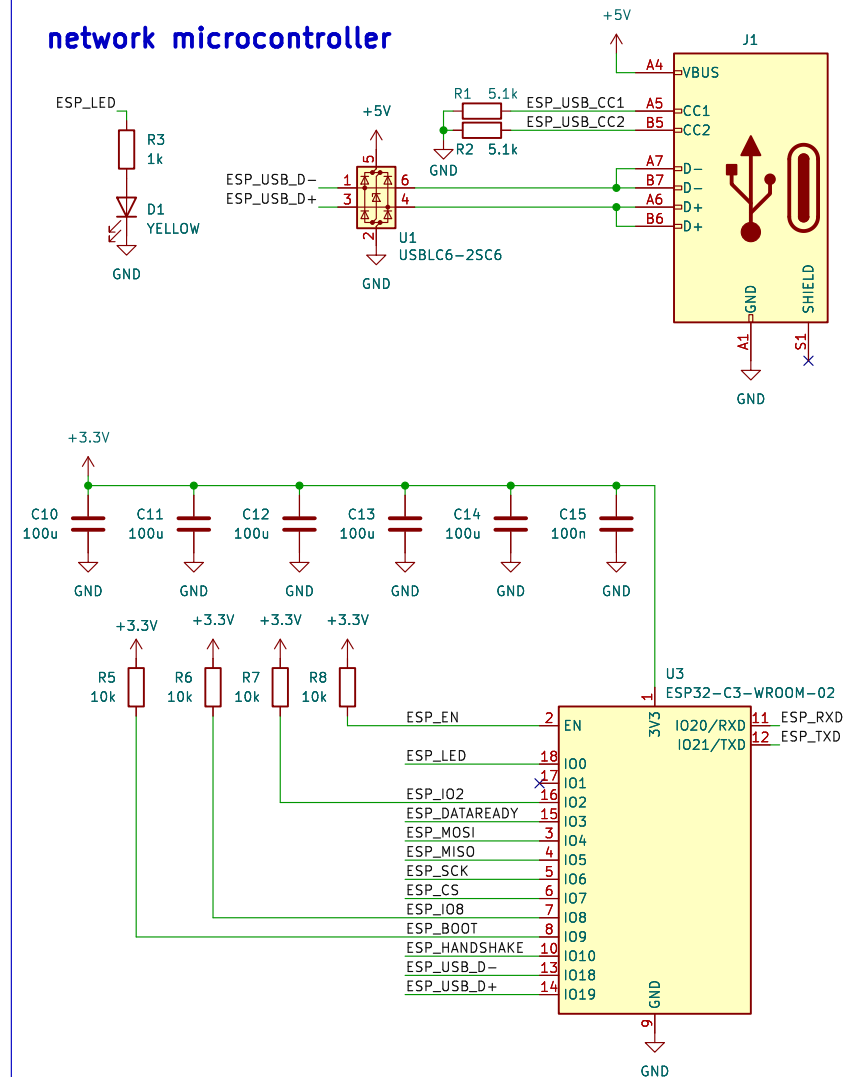


host microcontroller



network microcontroller



Author: Eryk Mozdzeń

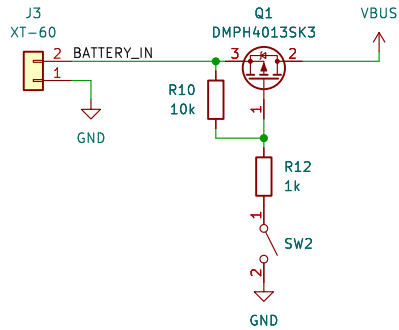
Sheet: /microcontroller/
File: microcontroller.kicad_sch

Title: Hogger2 Controller

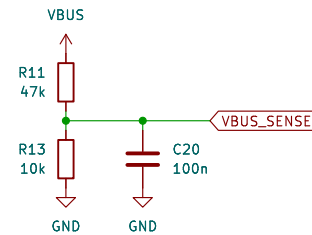
Size: A4 Date: 2025-04-12
KiCad E.D.A. 9.0.0

Rev: V1.1
Id: 2/7

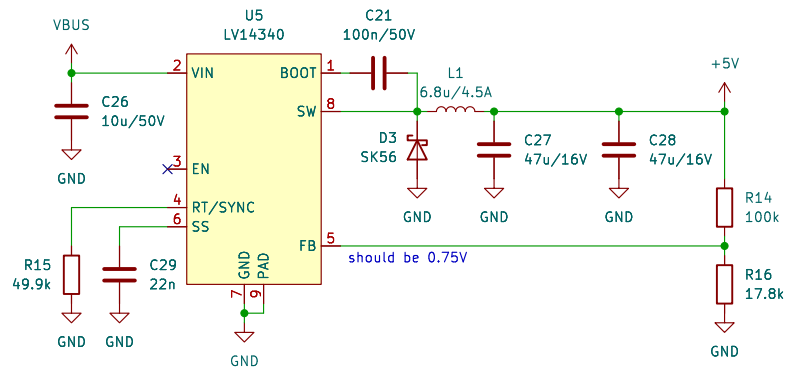
power input



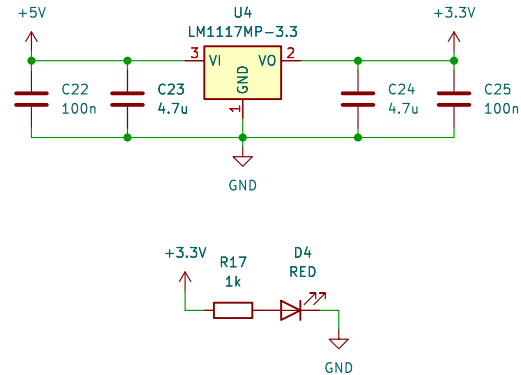
VBUS voltage measurement



5V domain



3.3V domain



Author: Eryk Możdżeń

Sheet: /power/
File: power.kicad_sch

Title: Hogger2 Controller

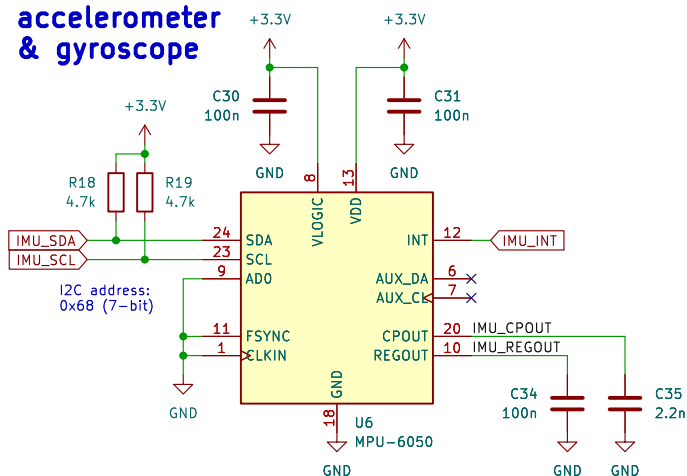
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KiCad E.D.A. 9.0.0

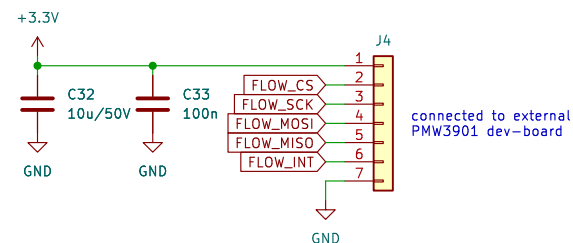
Rev: V1.1

Id: 3/7

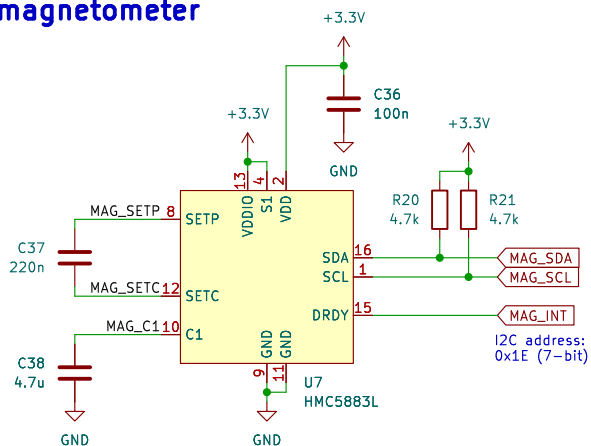
accelerometer & gyroscope



optical flow



magnetometer



Author: Eryk Możdżeń

Sheet: /sensors/
File: sensors.kicad_sch

Title: Hogger2 Controller

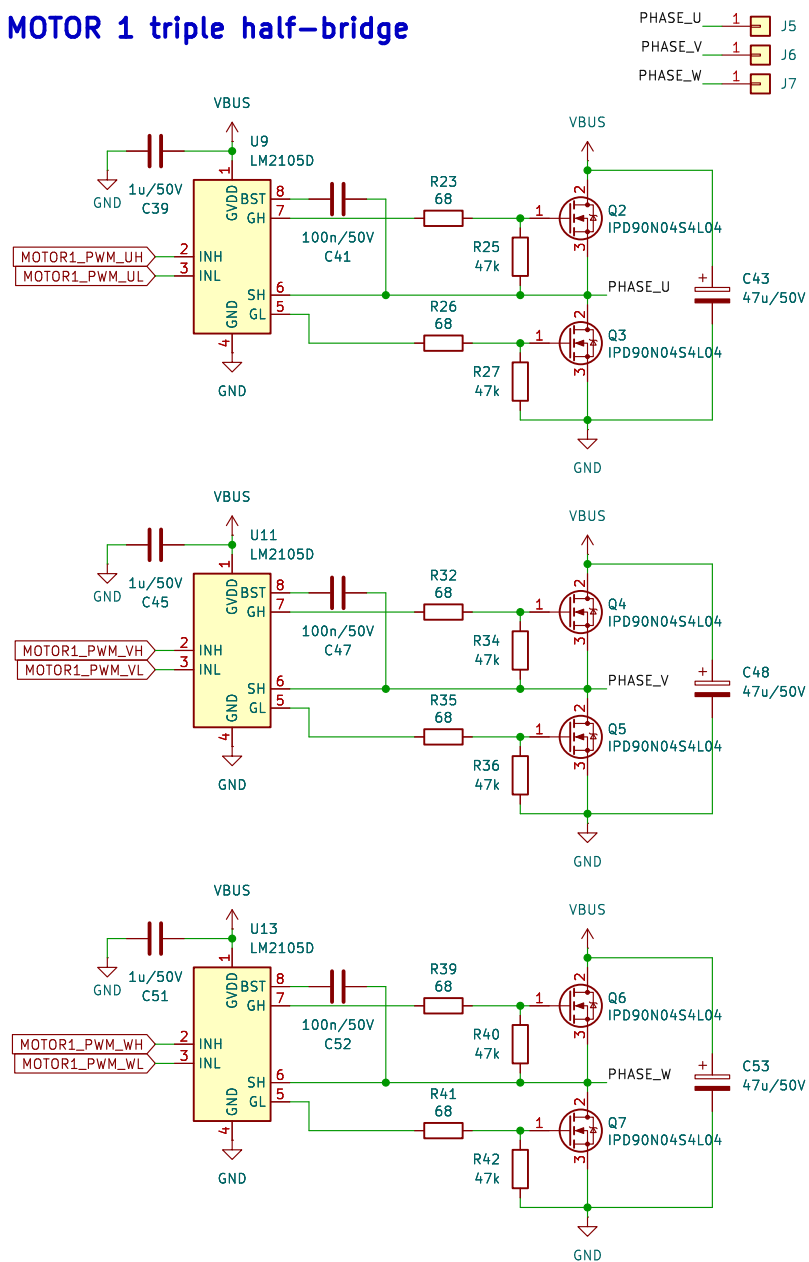
Size: A4 Date: 2025-03-09

KiCad E.D.A. 9.0.0

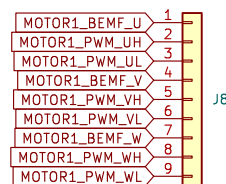
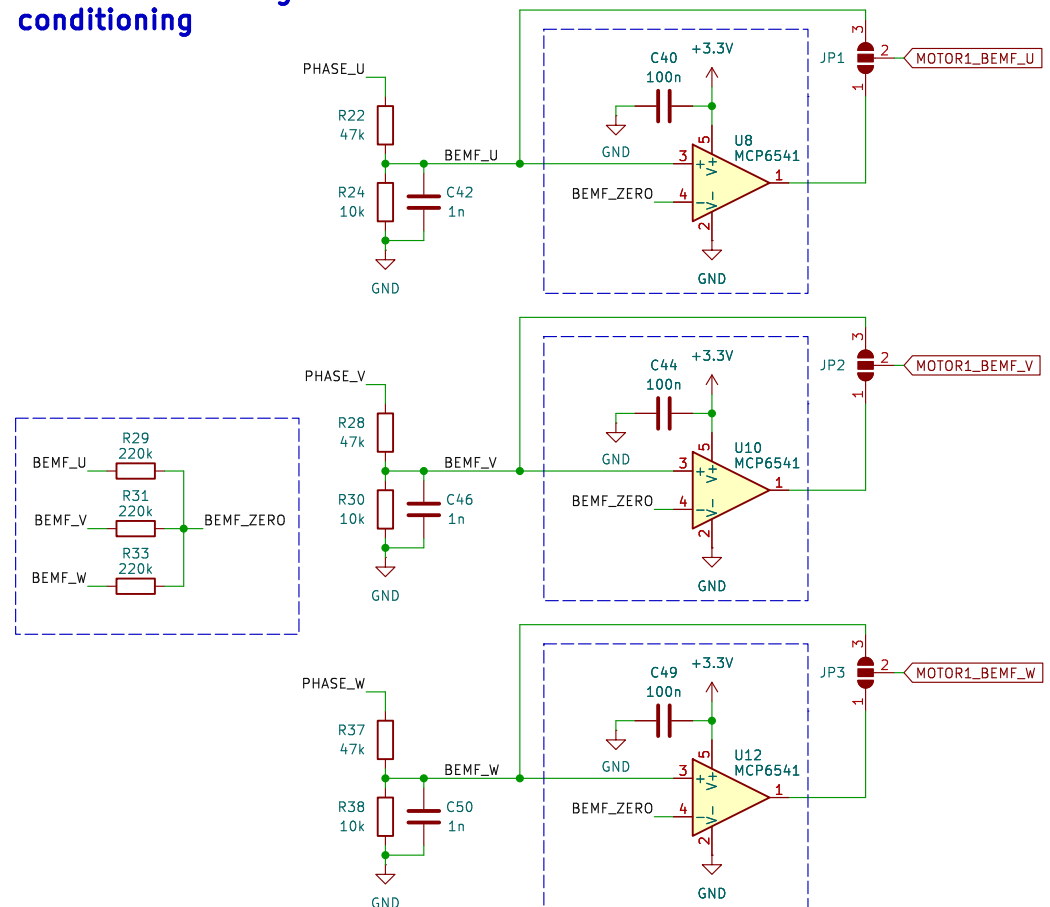
Rev: V1.1

Id: 4/7

MOTOR 1 triple half-bridge



MOTOR 1 BEMF signals conditioning



Author: Eryk Możdżeń

Sheet: /motor1/
File: motor1.kicad_sch

Title: Hogger2 Controller

Size: A4 Date: 2025-03-09
KiCad E.D.A. 9.0.0

Rev: V1.1
Id: 7/7

A	
B	
C	
D	



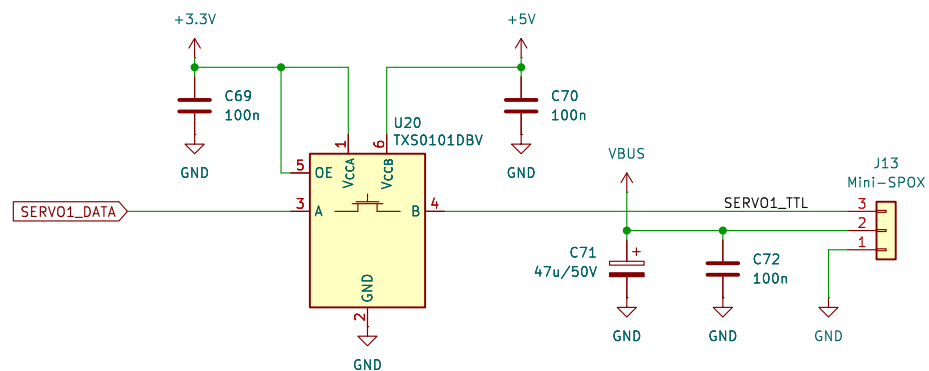
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File: motor2.kicad_sch

Size: A4	Date: 2025-03-09
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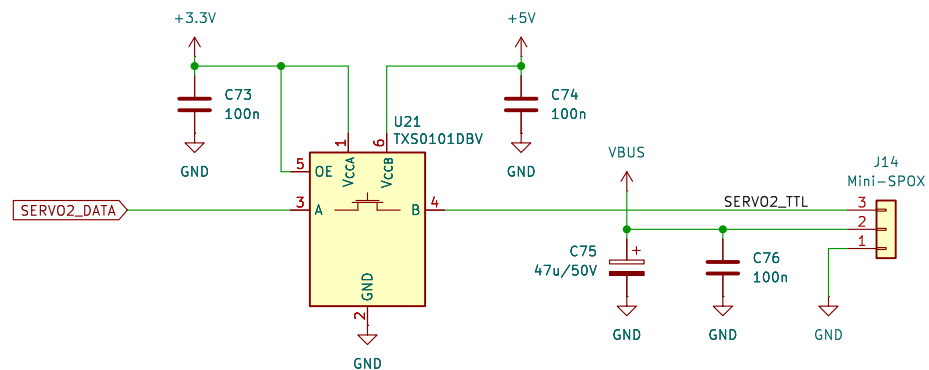
Rev: V1.1

4

SERVO 1 Dynamixel TTL Multi-Drop Bus



SERVO 2 Dynamixel TTL Multi-Drop Bus



Author: Eryk Możdżeń

Sheet: /servos/
File: servos.kicad_sch

Title: Hogger2 Controller

Size: A4 Date: 2025-03-09

KiCad E.D.A. 9.0.0

Rev: V1.1

Id: 8/7