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Design implemets a battery management system and power delivert for use with the developed autonomous robot platform powered by LEGO Technic HUB and Rasberry Pi

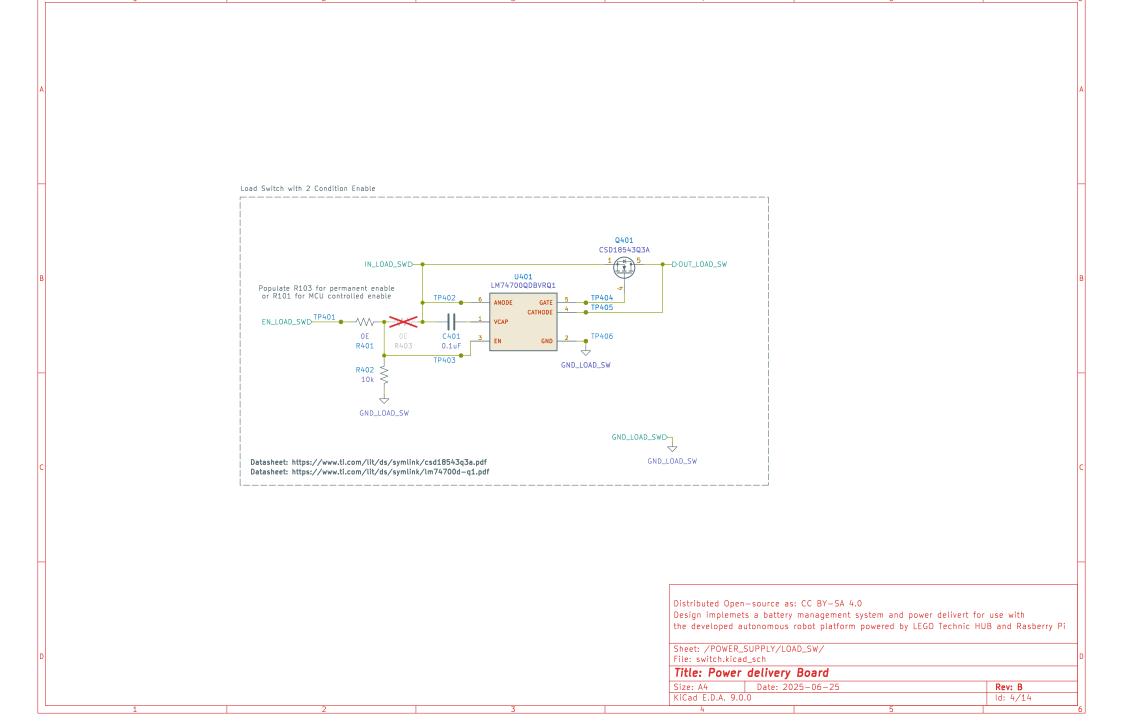
Sheet: /POWER\_SUPPLY/POWER\_REGO/ File: regulator.kicad\_sch

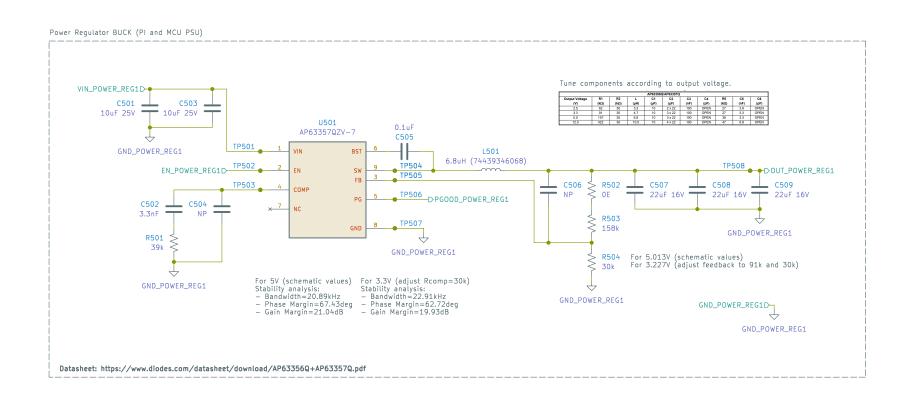
	Title:	Power	delivery	Board
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 Size: A4
 Date: 2025-06-25
 Rev: B

 KiCad E.D.A. 9.0.0
 Id: 3/14

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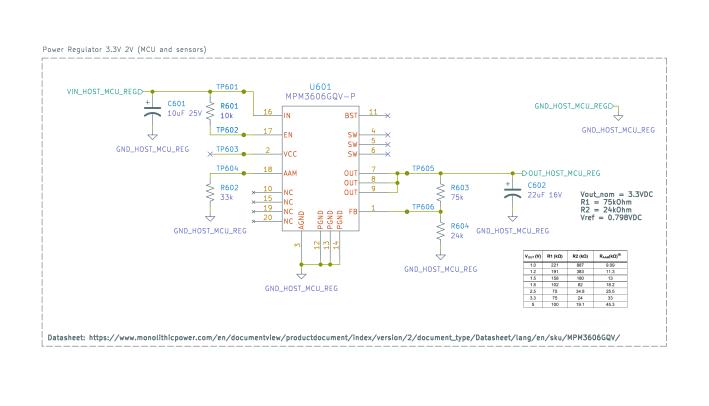


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the developed autonomous robot platform powered by LEGO Technic HUB and Rasberry Pi

Sheet: /POWER\_SUPPLY/POWER\_REG1/ File: regulator.kicad\_sch

Title: Power delivery Board		
Size: A4	Date: 2025-06-25	Rev: B
KiCad E.D.A. 9.0	.0	ld: 5/14

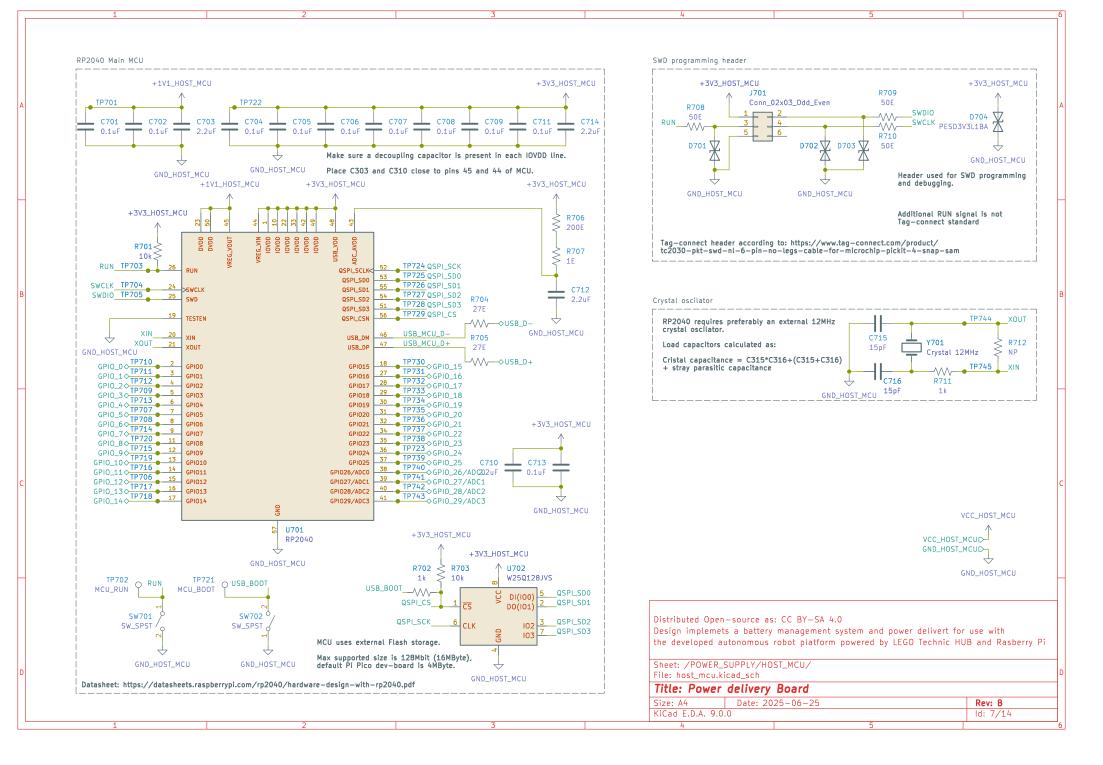


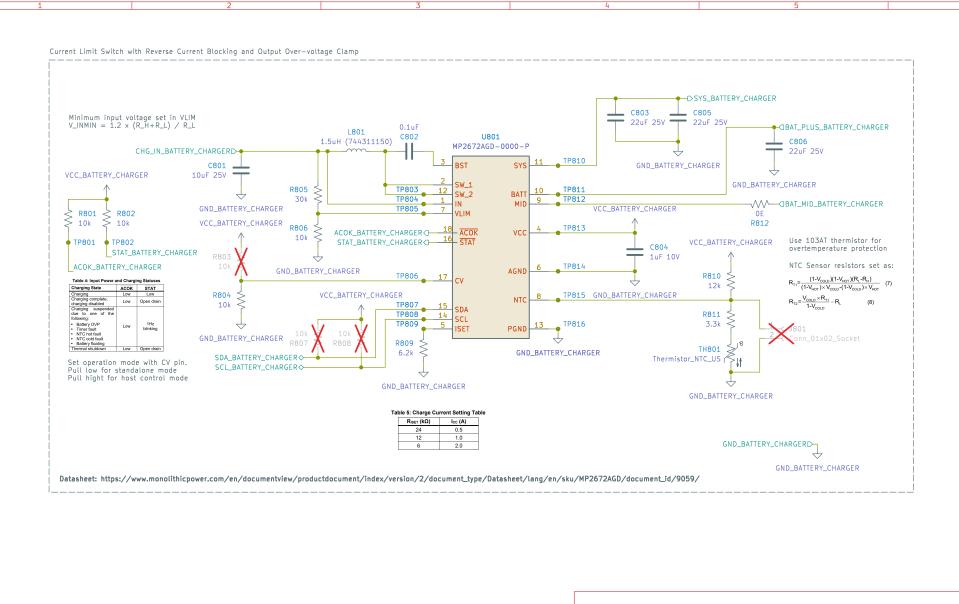
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Sheet: /POWER\_SUPPLY/HOST\_MCU\_REG/ File: host\_mcu\_regulator.kicad\_sch

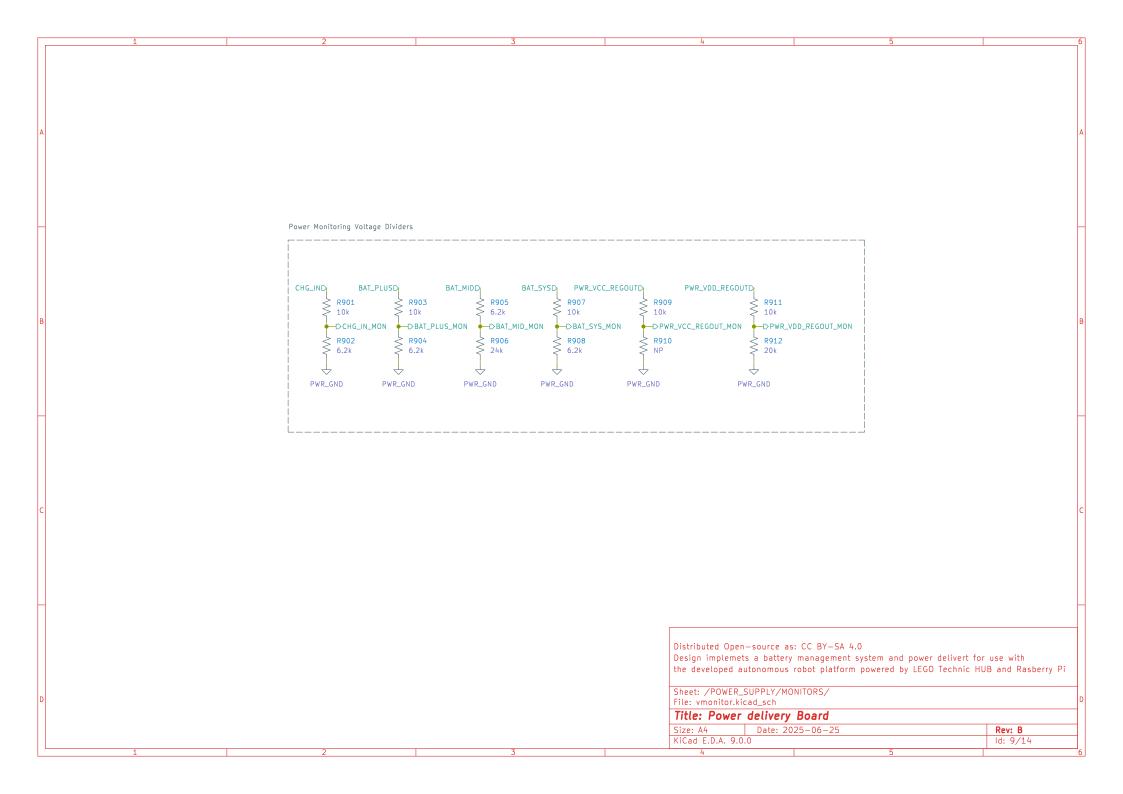
	Title:	Power	delivery	Board
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Size: A4	Date: 2025-06-25	Rev: B
KiCad E.D.A. 9.0	.0	ld: 6/14





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## Regulator Power sequence logic VCC\_REGULATOR\_SEQ VCC\_REGULATOR\_SEQ VCC\_REGULATOR\_SEQ SEQ\_VCC IN1C\_REGULATOR\_SEQD DOUTC\_REGULATOR\_SEQ U1002 U1001 74AHC1G08 IN1B\_REGULATOR\_SEQD 74AHC1G08 IN1A\_REGULATOR\_SEQD IN2B\_REGULATOR\_SEQD-IN2A\_REGULATOR\_SEQD-VCC\_REGULATOR\_SEQ R1002 VCC\_REGULATOR\_SEQD GND\_REGULATOR\_SEQD GND\_REGULATOR\_SEQ GND\_REGULATOR\_SEQ GND\_REGULATOR\_SEQ GND\_REGULATOR\_SEQ GND\_REGULATOR\_SEQ

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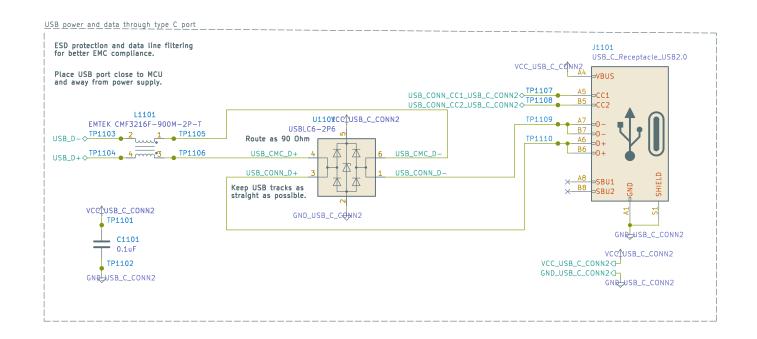
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Sheet: /POWER\_SUPPLY/REGULATOR\_SEQ/

File: regulator\_enable.kicad\_sch

Title: Power	delivery	Board
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Size: A4	Date: 2025-06-25	Rev: B
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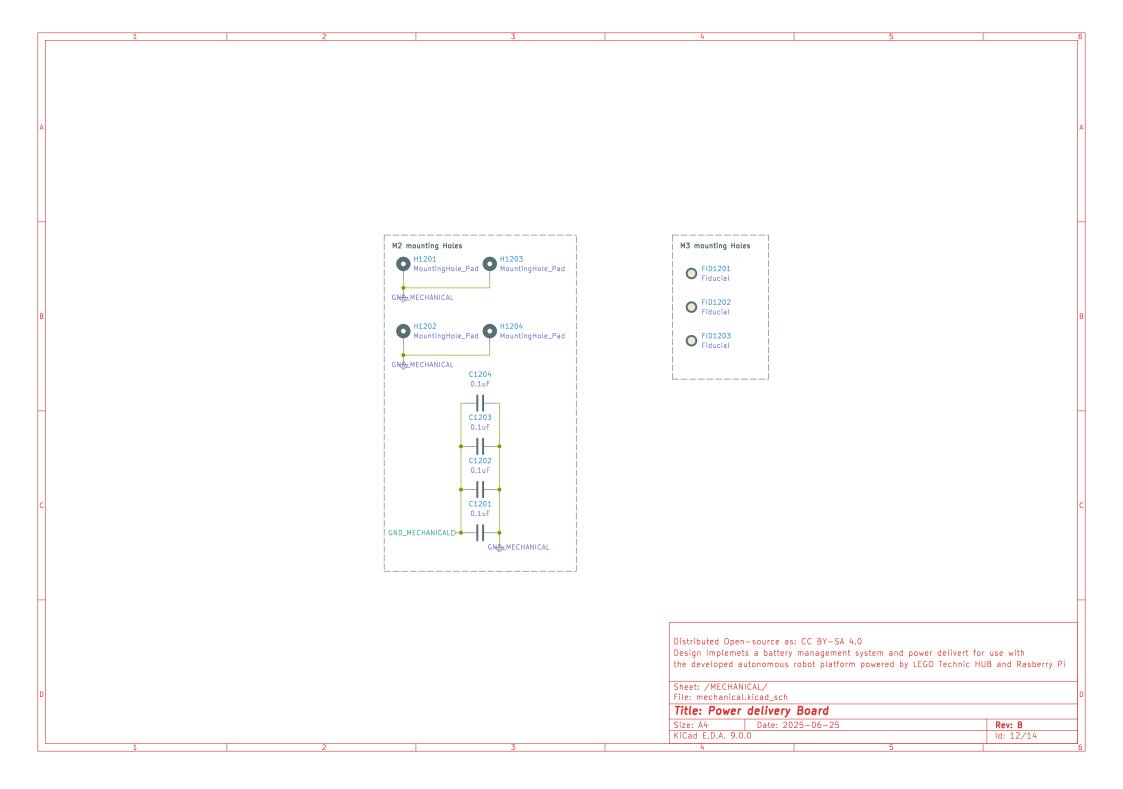
Design implemets a battery management system and power delivert for use with the developed autonomous robot platform powered by LEGO Technic HUB and Rasberry Pi

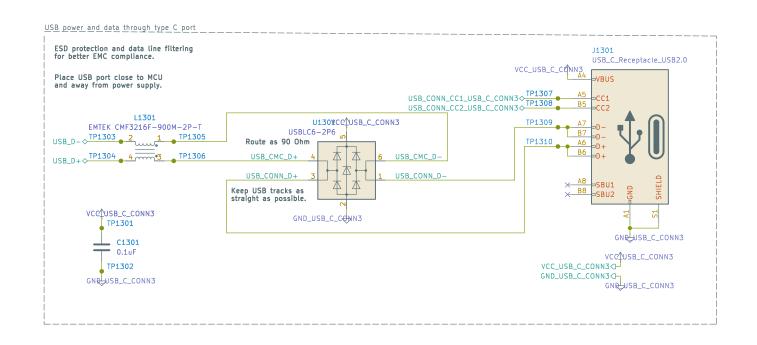
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Title: Power delivery Board

 Size: A4
 Date: 2025-06-25
 Rev: B

 KiCad E.D.A. 9.0.0
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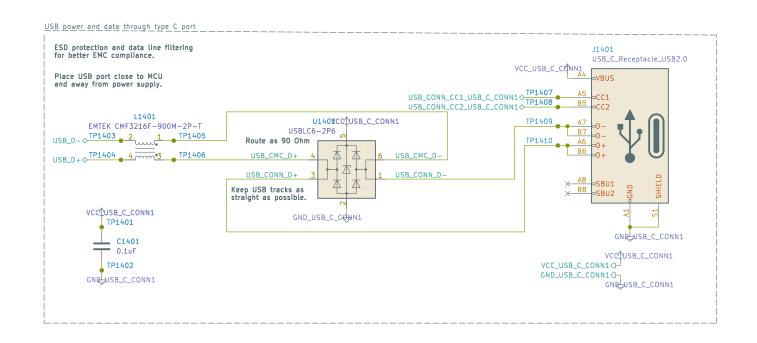
Design implemets a battery management system and power delivert for use with the developed autonomous robot platform powered by LEGO Technic HUB and Rasberry Pi

Sheet: /USB\_C\_CONN3/ File: usb.kicad sch

Title: Power delivery Board

 Size: A4
 Date: 2025-06-25
 Rev: B

 KiCad E.D.A. 9.0.0
 Id: 13/14



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Design implemets a battery management system and power delivert for use with the developed autonomous robot platform powered by LEGO Technic HUB and Rasberry Pi
Sheet: /USB\_C\_CONN1/

File: usb.kicad\_sch

Title: Power	delivery Board		
Size: A4	Date: 2025-06-25		Rev: B
KiCad E.D.A. 9.0	.0		ld: 14/14
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