

Sheet: /

File: Powerbank.sch

**Title: USB-C PD controller with 4S battery charger**

Size: A4 Date: 2020-01-11

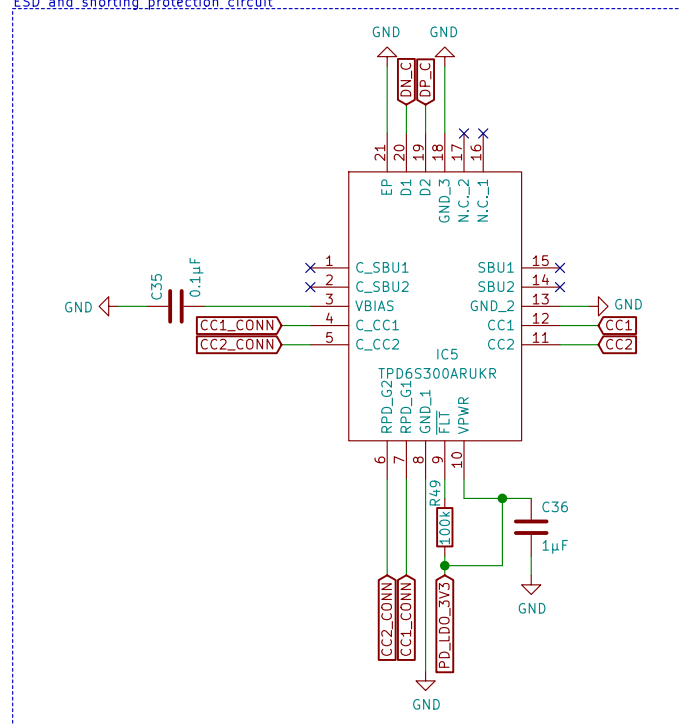
KiCad E.D.A. kicad (5.1.4)-1

Rev: 1

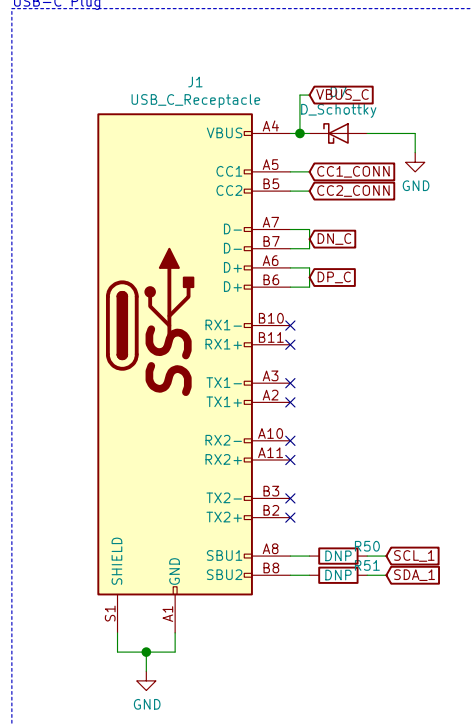
Id: 1/7



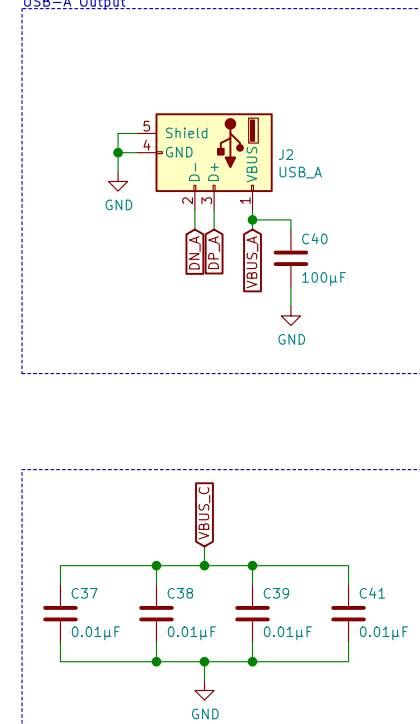
ESD\_and shorting protection circuit



USB-C Plug



USB-A Output



Sheet: /USB-C and ESD Protection - TPD6S300A/  
File: USBC\_ESDProtection.sch

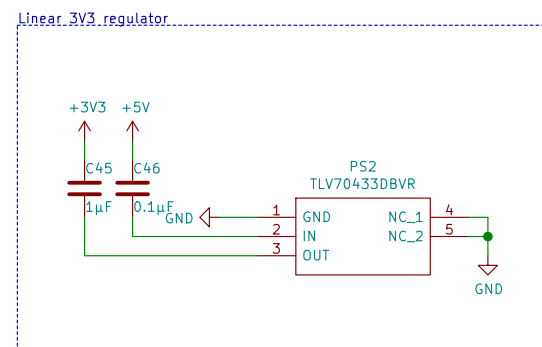
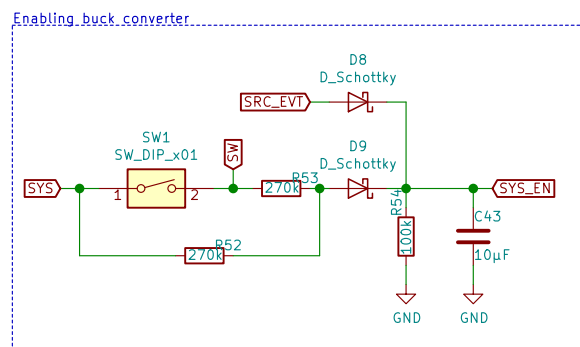
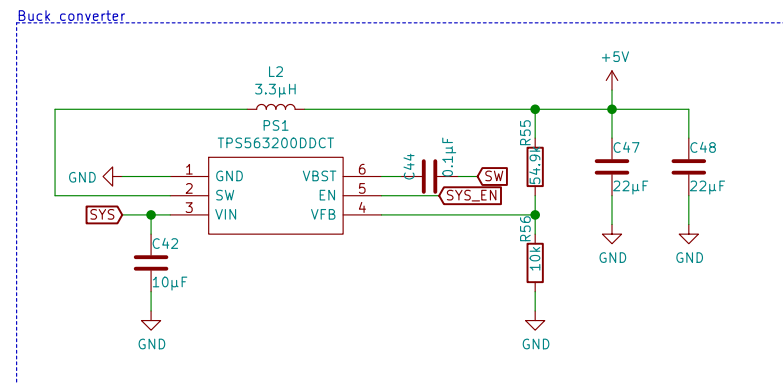
**Title: USB-C PD controller with 4S battery charger**

Size: A4 Date: 2020-01-11

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Rev: 1

Id: 3/7



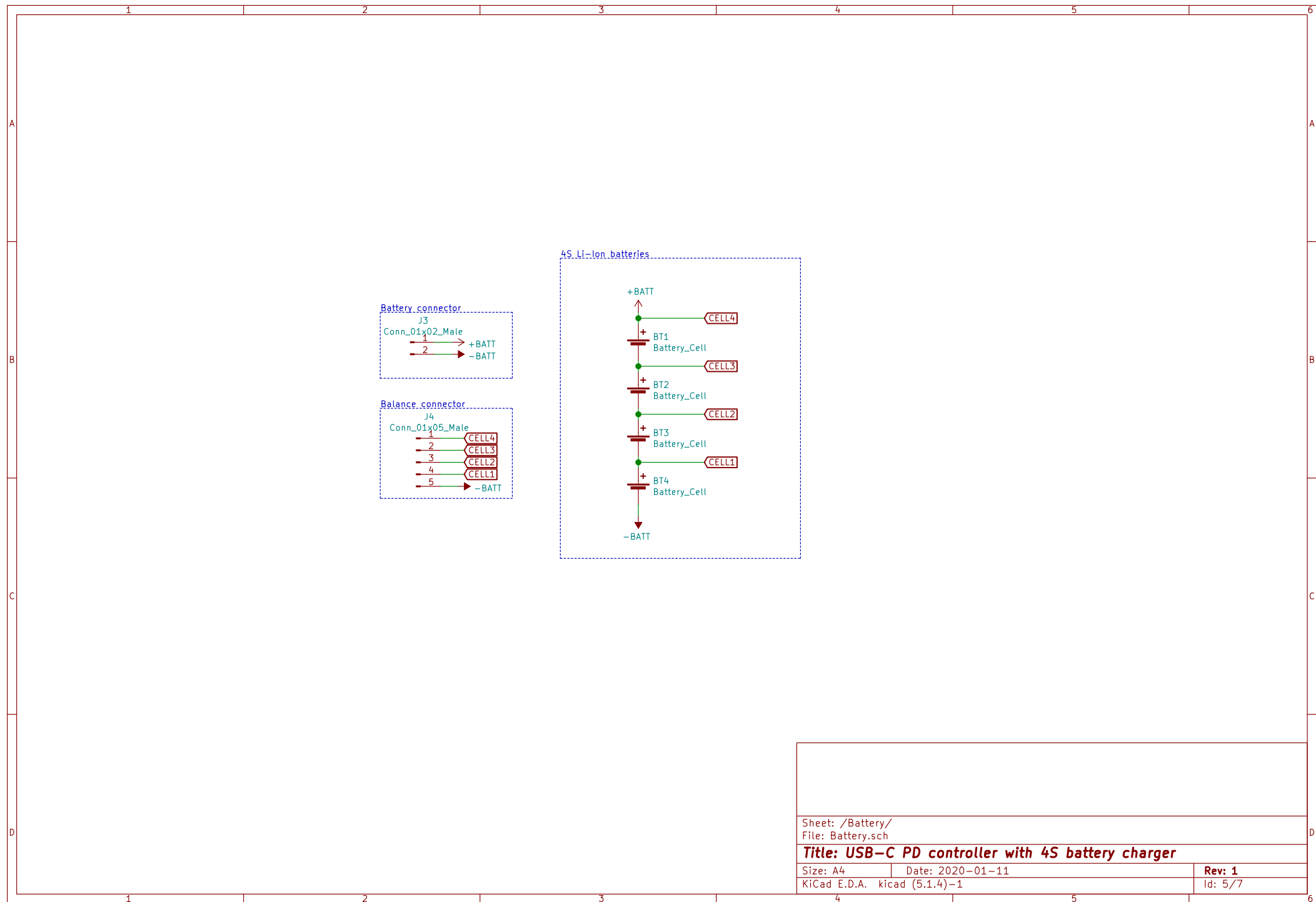
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File: Buck.sch

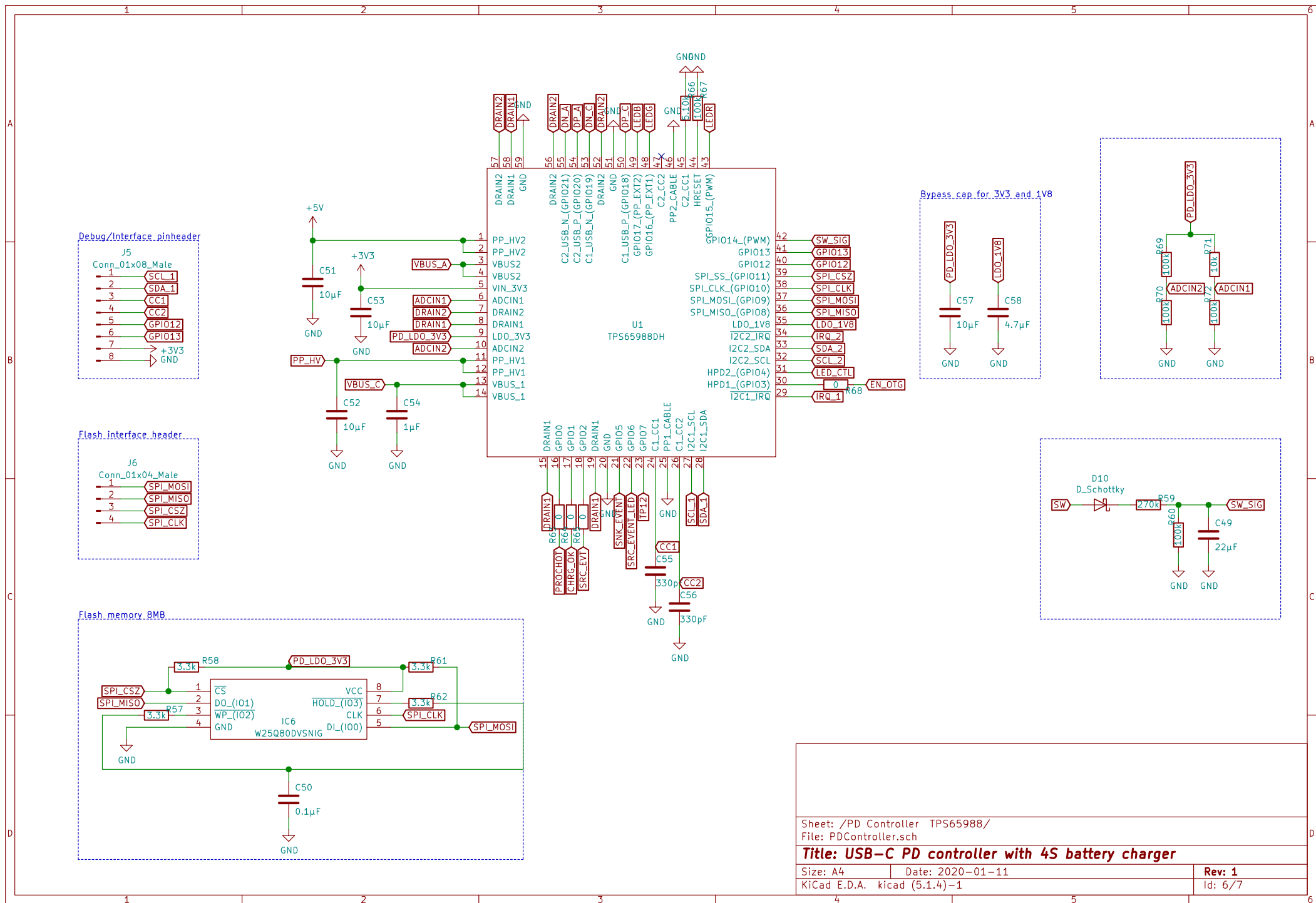
**Title: USB-C PD controller with 4S battery charger**

Size: A4	Date: 2020-01-11
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Rev: 1  
Id: 4/7





Sheet: /PD Controller TPS65988/  
File: PDController.sch

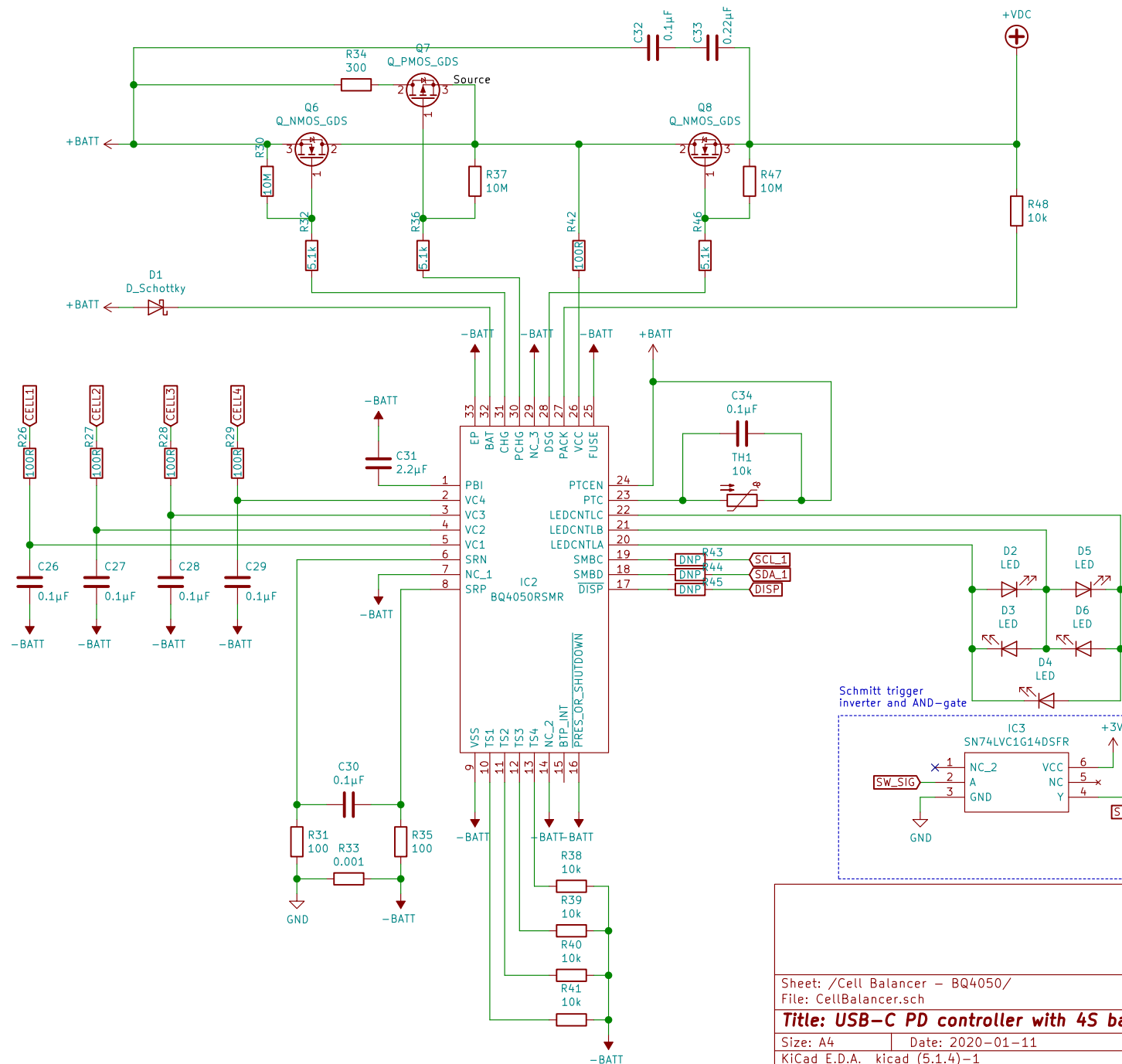
# **Title: USB-C PD controller with 4S battery charger**

Size: A4 Date: 2020-01-11

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Rev: 1

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Sheet: /Cell Balancer - BQ4050/  
File: CellBalancer.sch

# **Title: USB-C PD controller with 4S battery charger**

Size: A4 Date: 2020-01-11

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Rev: 1

Id: 7/7