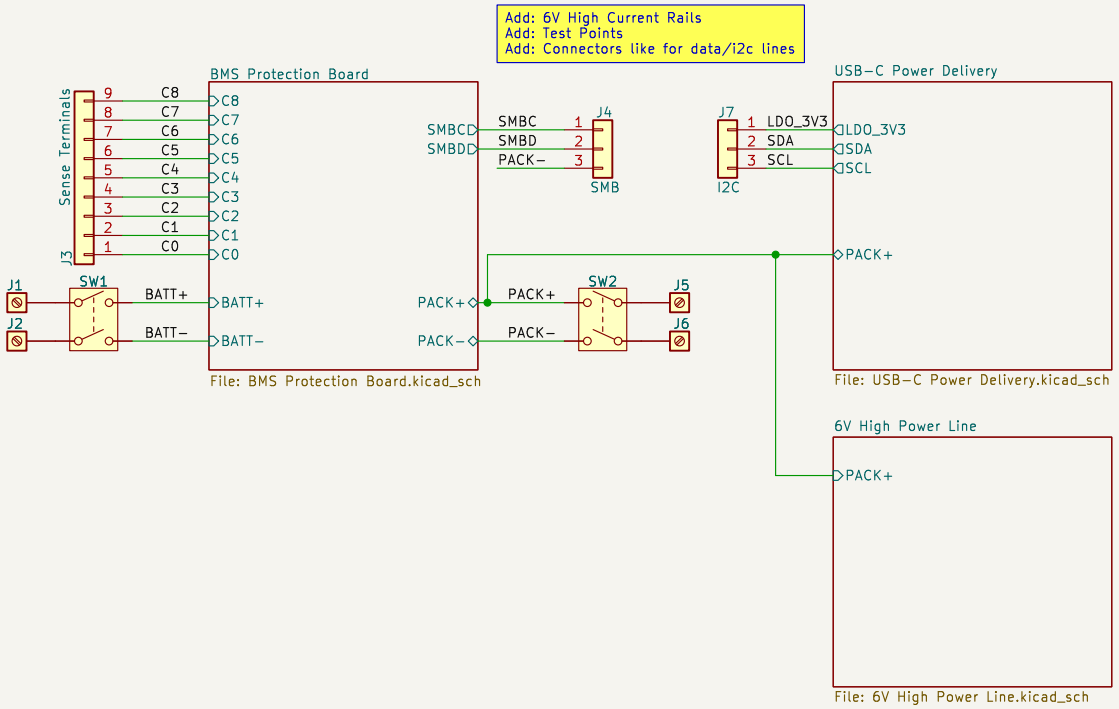
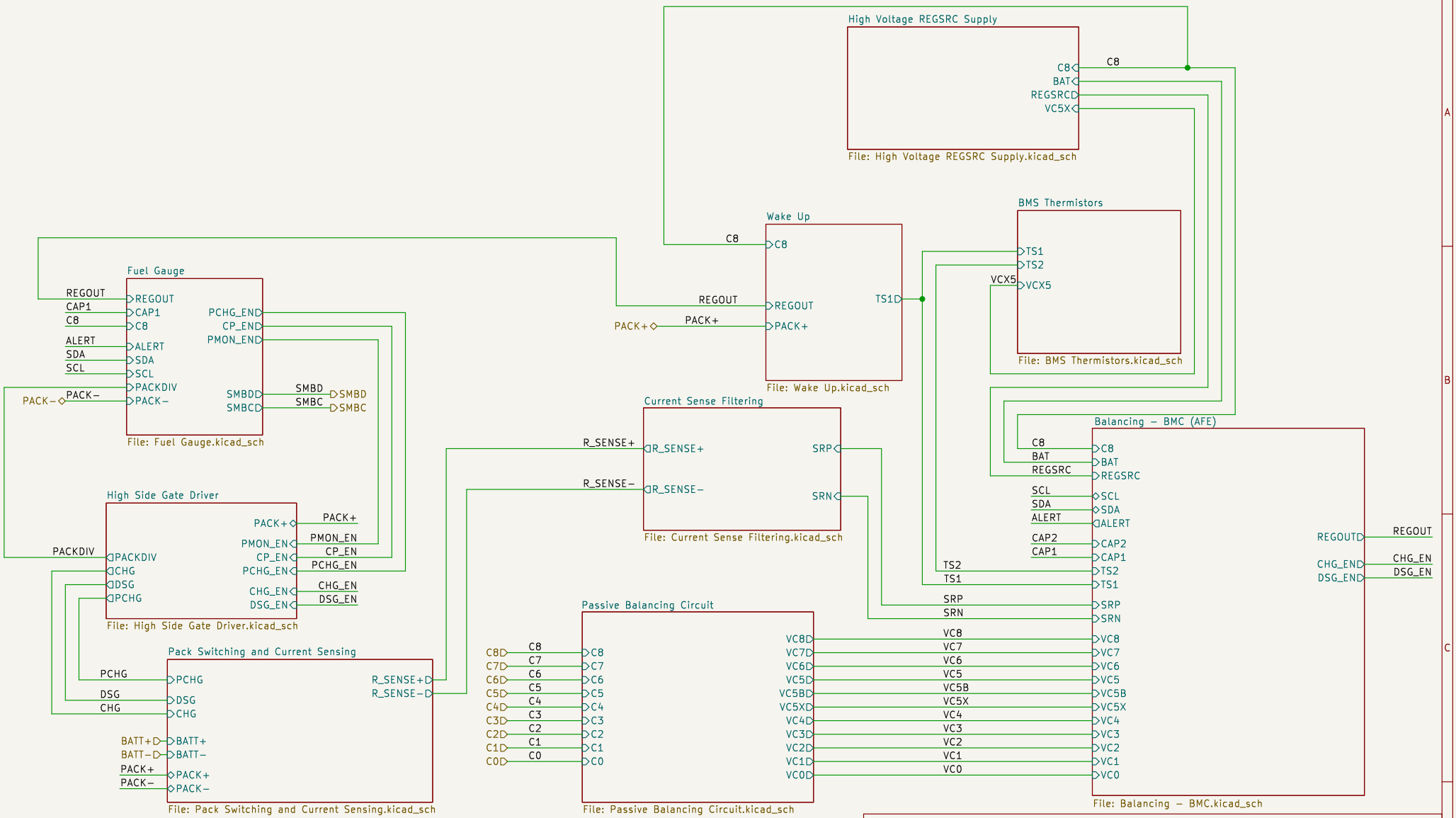


Sheet: /		
File: Project−Star.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 1/20

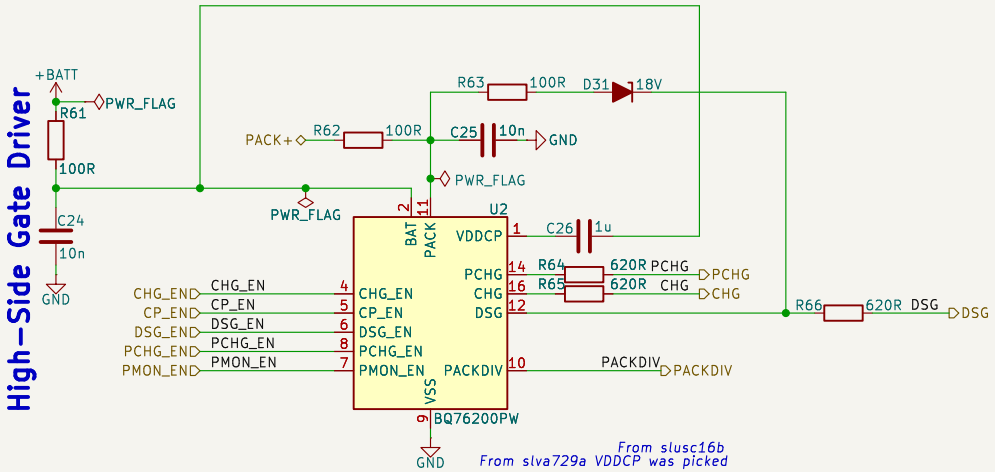


BMS Protection Board for 8S Battery Pack
In/Out: min voltage: 24.0V, nominal voltage: 29.6V, max voltage: 33.6V
Output: 30A continuous discharge current, 100A peak discharge current

Sheet: /BMS Protection Board/
File: BMS Protection Board.kicad_sch

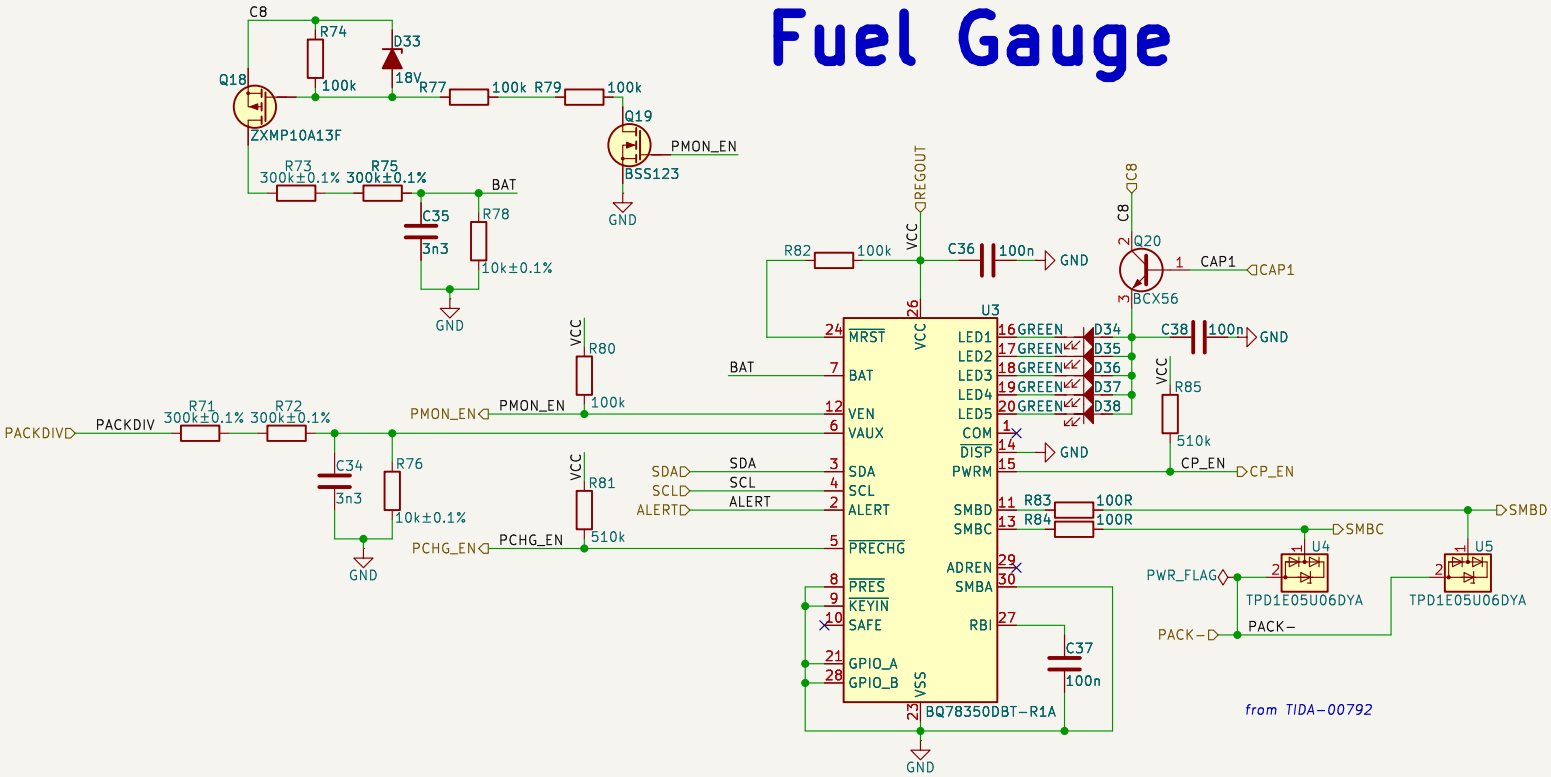
Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 2/20



Sheet: /BMS Protection Board/High Side Gate Driver/		
File: High Side Gate Driver.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 8/20

Fuel Gauge



Sheet: /BMS Protection Board/Fuel Gauge/		
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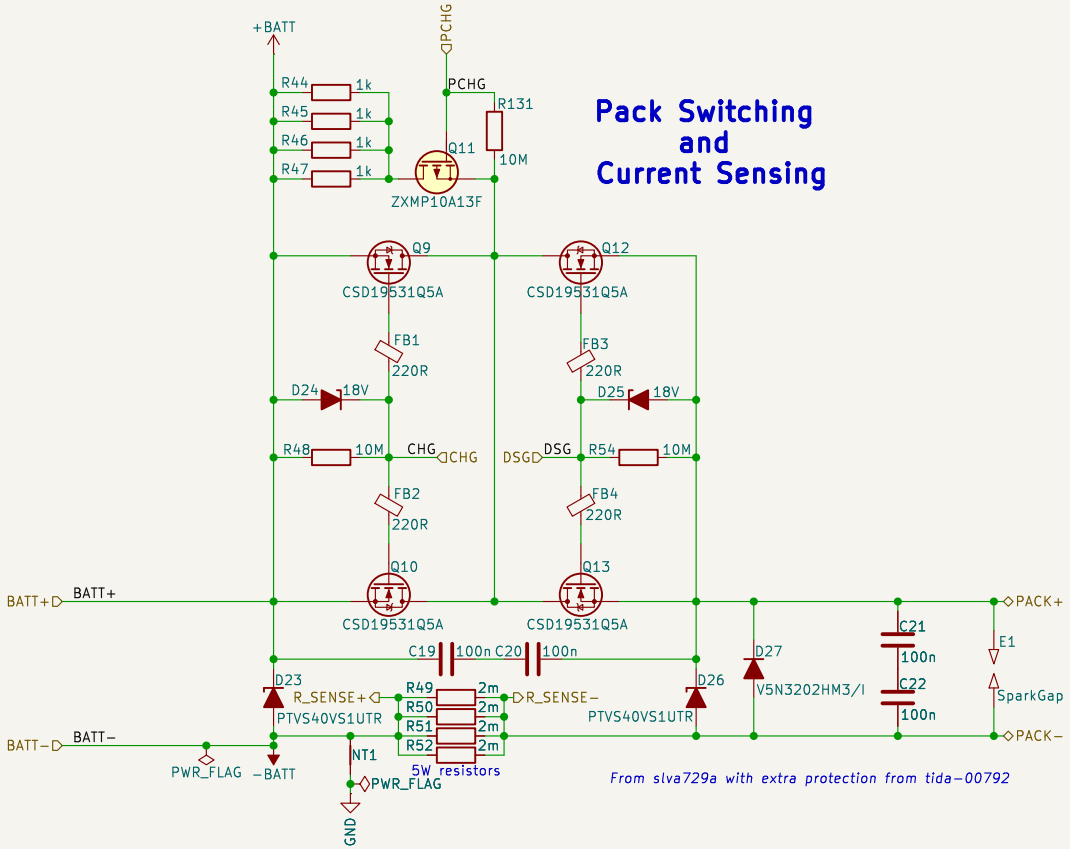
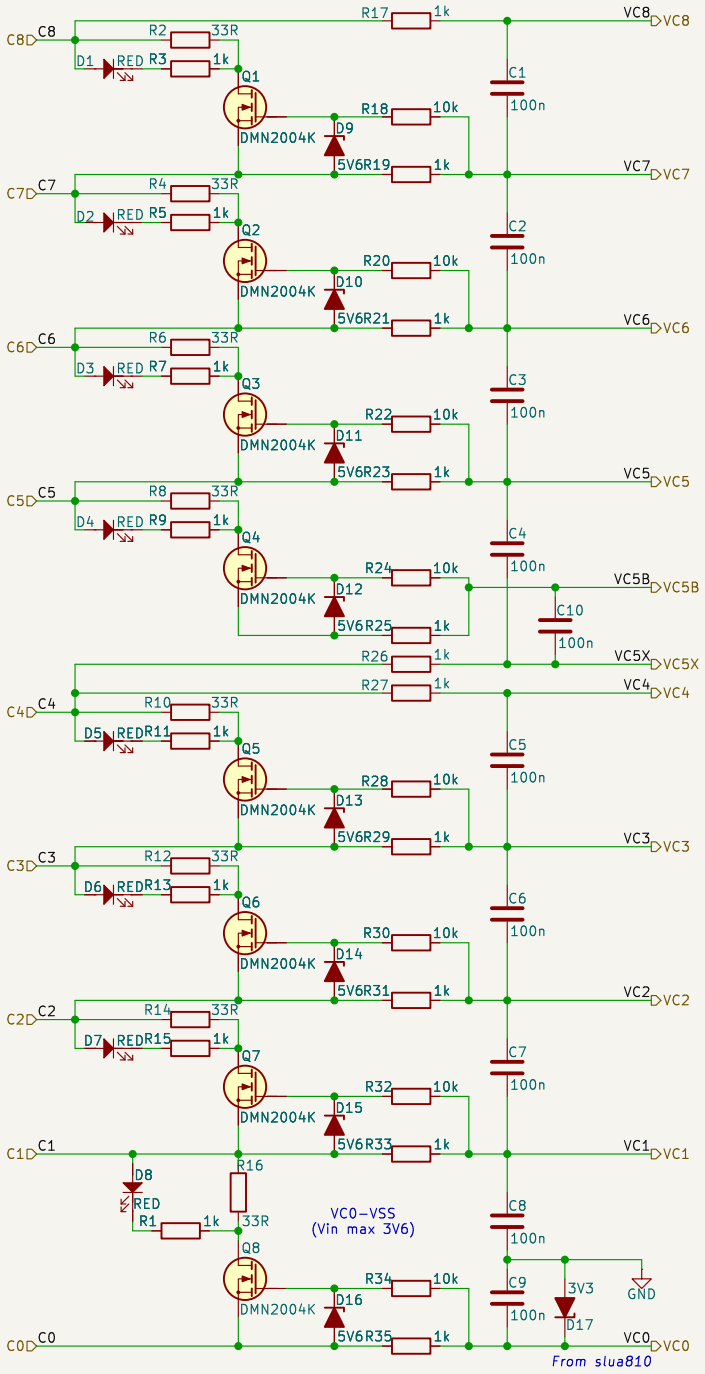
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 11/20



Sheet: /BMS Protection Board/Pack Switching and Current Sensing/		
File: Pack Switching and Current Sensing.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 6/20

Passive Balancing Circuit



Sheet: /BMS Protection Board/Passive Balancing Circuit/		
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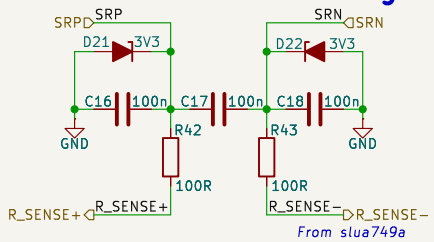
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 3/20

Current Sense Filtering



Sheet: /BMS Protection Board/Current Sense Filtering/		
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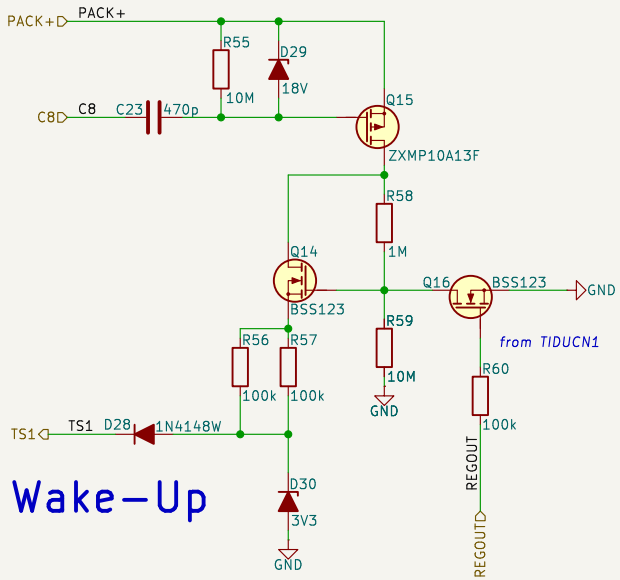
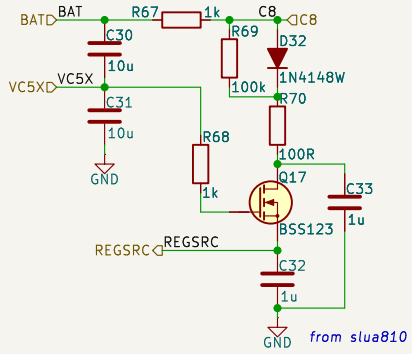
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 5/20



Sheet: /BMS Protection Board/Wake Up/		
File: Wake Up.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 7/20

High Voltage REGSRC Supply



Sheet: /BMS Protection Board/High Voltage REGSRC Supply/		
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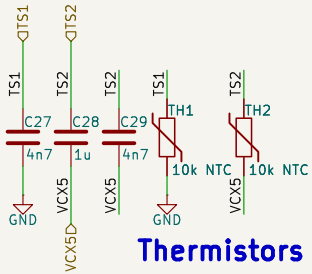
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 10/20



Sheet: /BMS Protection Board/BMS Thermistors/		
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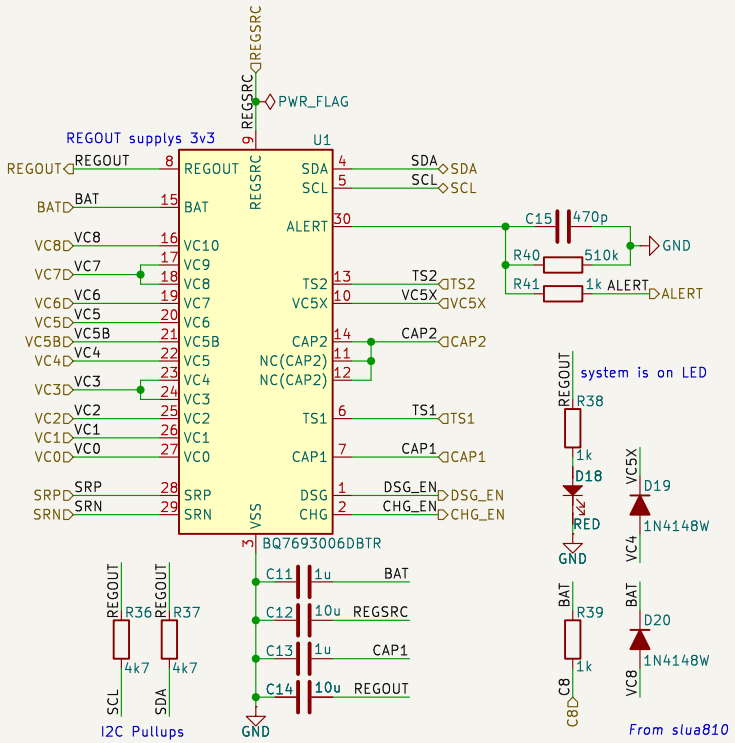
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 9/20

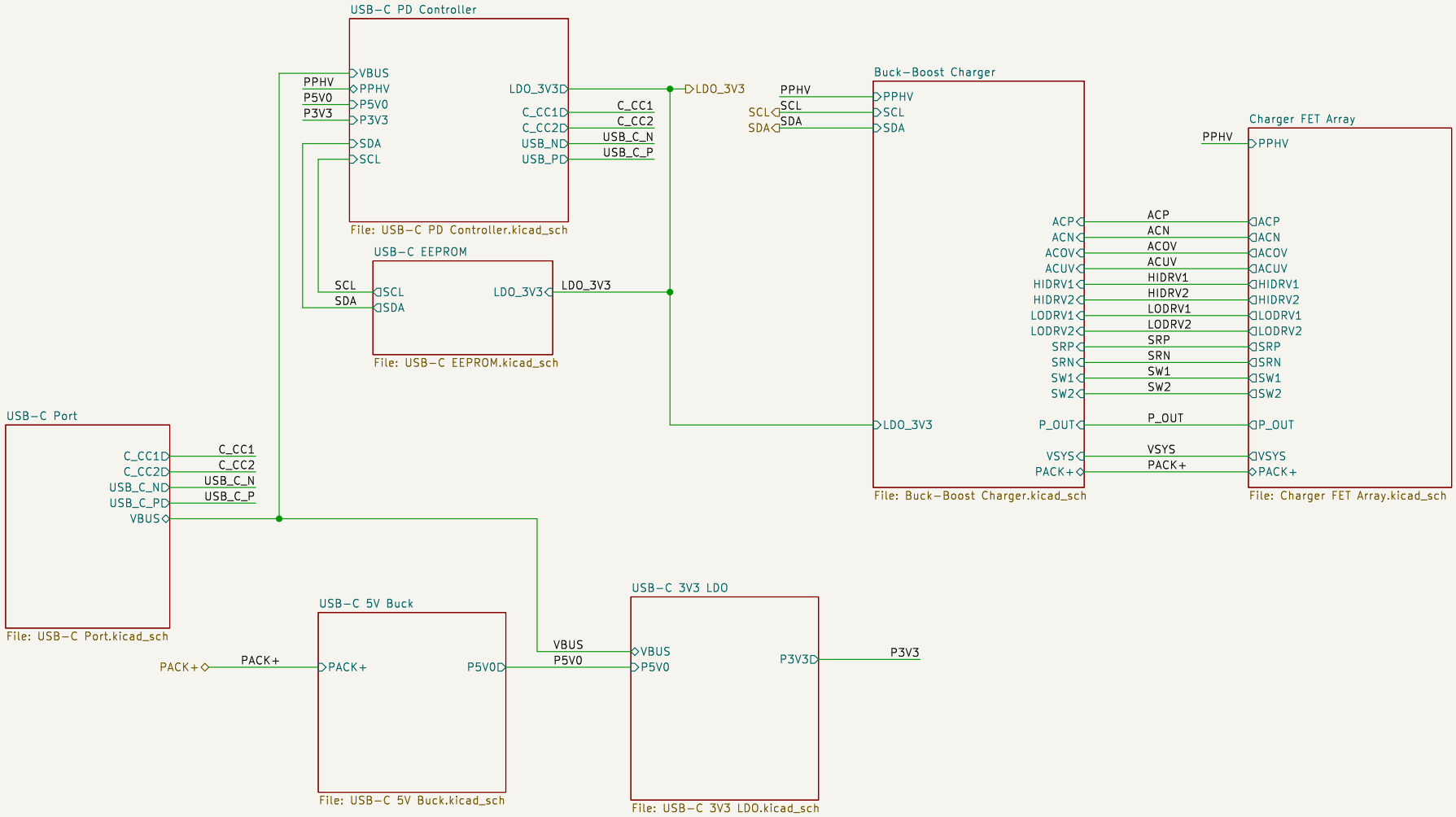


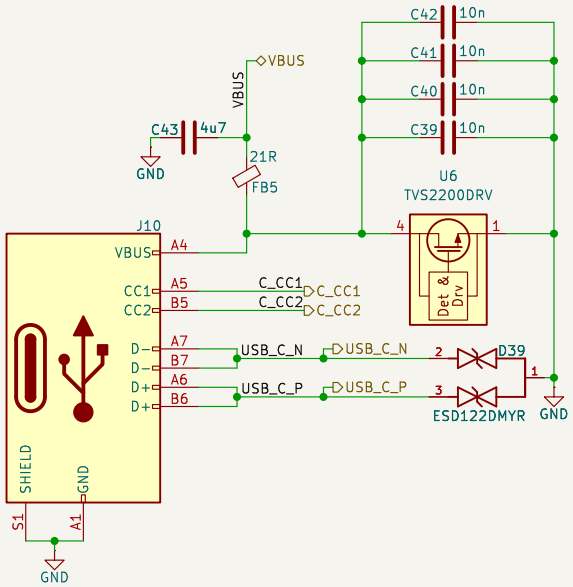
Balancing & BMC (AFE)

Sheet: /BMS Protection Board/Balancing – BMC (AFE)/
File: Balancing – BMC.kicad_sch

Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. 9.0.3 | Id: 4/20

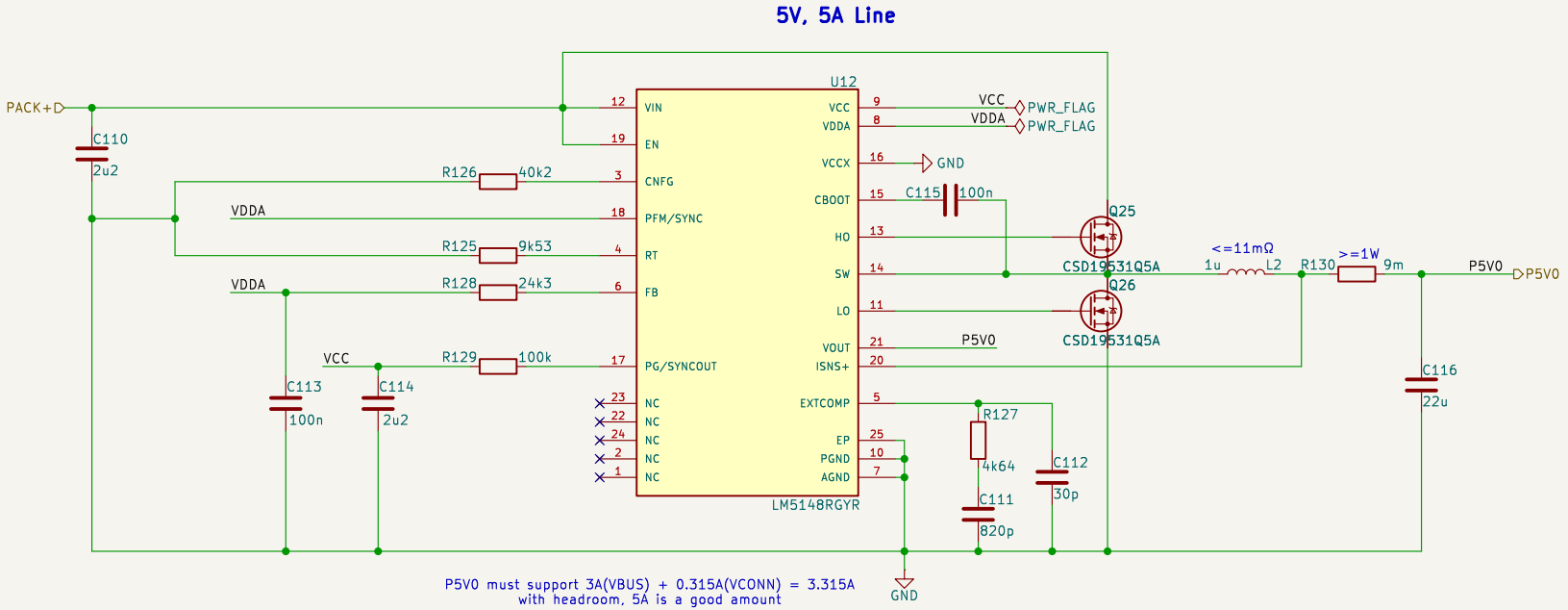

USB-C PD Controller
VBUS
PPHV
P5V0
P3V3
SDA
SCL
LDO_3V3
C_CC1
C_CC2
USB_ND
USB_PD
C_CC1
C_CC2
USB_C_N
USB_C_P
File: USB-C PD Controller.kicad_sch
USB-C EEPROM
SCL
SDA
LDO_3V3
File: USB-C EEPROM.kicad_sch
Buck-Boost Charger
PPHV
SCL
SDA
LDO_3V3
ACP
ACN
ACOV
ACUV
HIDRV1
HIDRV2
LODRV1
LODRV2
SRP
SRN
SW1
SW2
P_OUT
VSYS
PACK+
File: Buck-Boost Charger.kicad_sch
Charger FET Array
PPHV
ACP
ACN
ACOV
ACUV
HIDRV1
HIDRV2
LODRV1
LODRV2
SRP
SRN
SW1
SW2
P_OUT
VSYS
PACK+
File: Charger FET Array.kicad_sch
USB-C Port
C_CC1
C_CC2
USB_C_N
USB_C_P
VBUS
File: USB-C Port.kicad_sch
USB-C 5V Buck
PACK+
P5V0
File: USB-C 5V Buck.kicad_sch
USB-C 3V3 LDO
VBUS
P5V0
P3V3
File: USB-C 3V3 LDO.kicad_sch
Design is based off of PMP41062
Sheet: /USB-C Power Delivery/
File: USB-C Power Delivery.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.3
Id: 12/20



Sheet: /USB-C Power Delivery/USB-C Port/
File: USB-C Port.kicad_sch

Title:

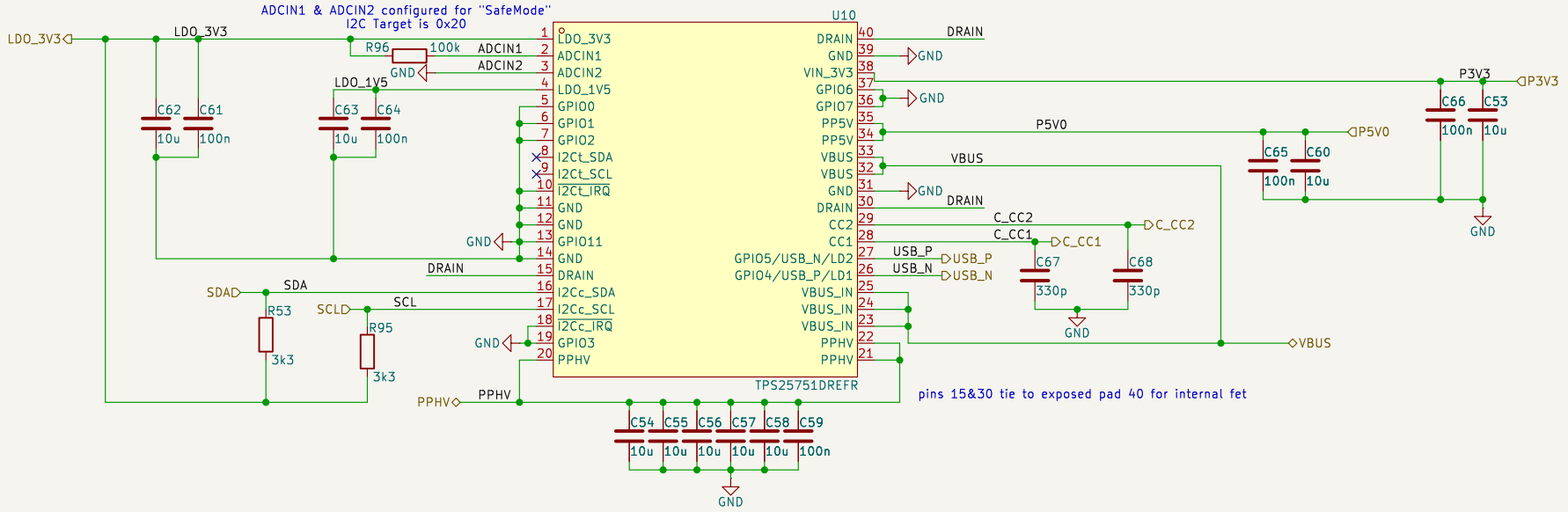
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 13/20



Sheet: /USB-C Power Delivery/USB-C 5V Buck/
File: USB-C 5V Buck.kicad_sch

Title:

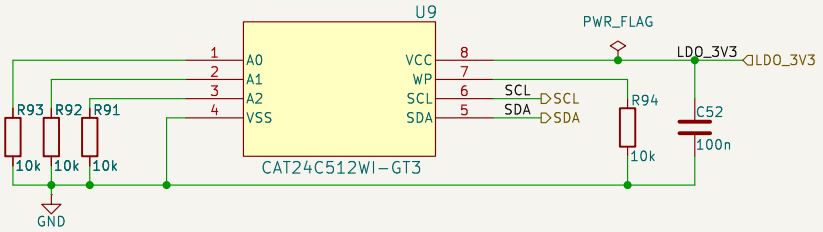
Size: A4 | Date: | **Rev:**
KiCad E.D.A. 9.0.3 | Id: 18/20



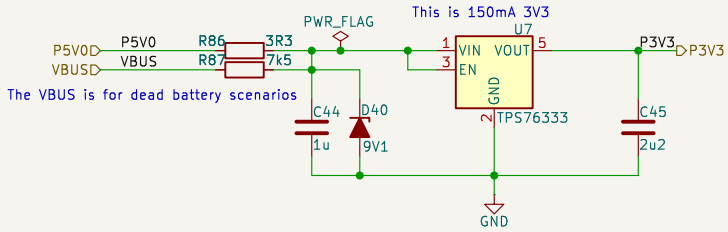
Sheet: /USB-C Power Delivery/USB-C PD Controller/
File: USB-C PD Controller.kicad_sch

Title:

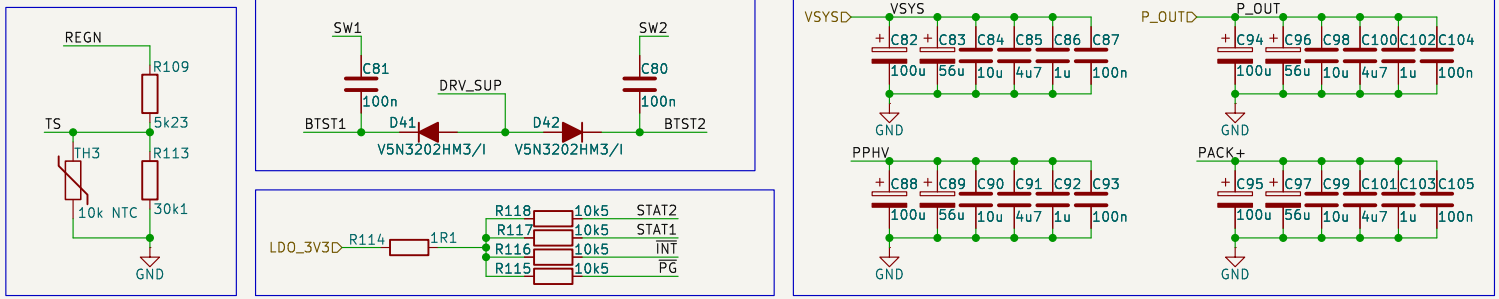
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 14/20

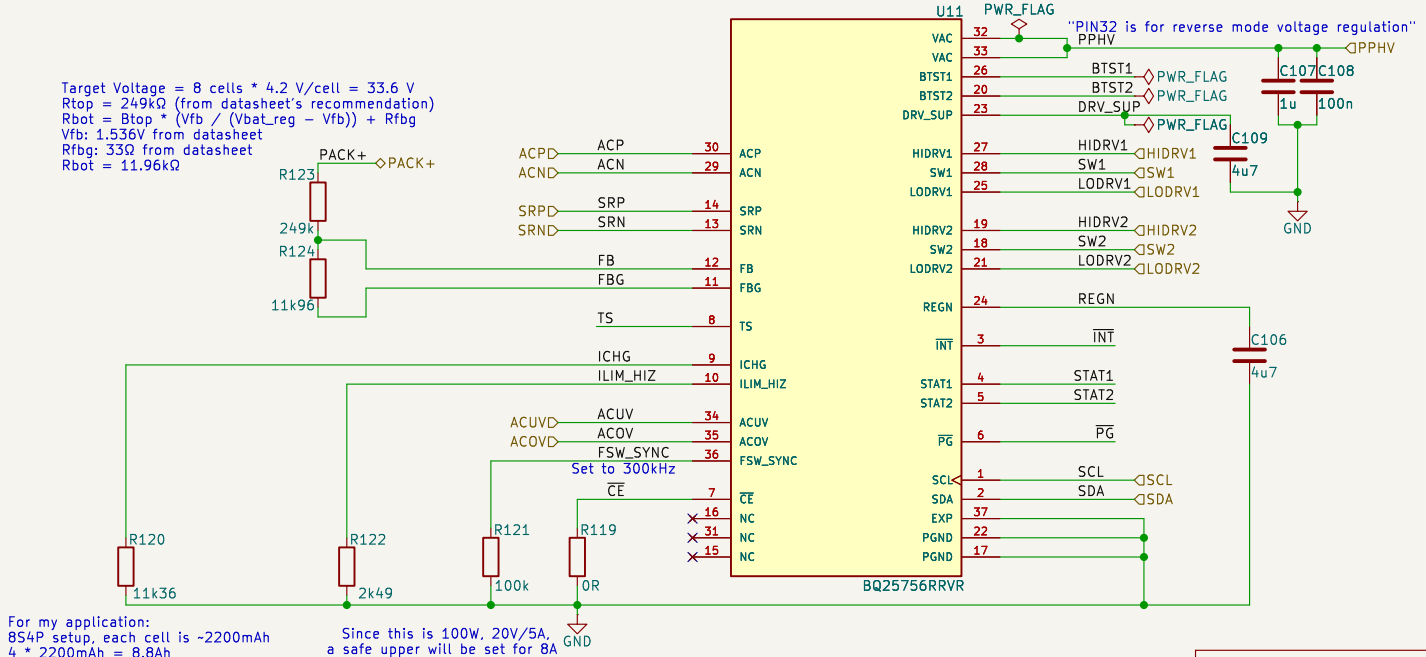


Sheet: /USB-C Power Delivery/USB-C EEPROM/		
File: USB-C EEPROM.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 15/20



Sheet: /USB-C Power Delivery/USB-C 3V3 LDO/		
File: USB-C 3V3 LDO.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 16/20

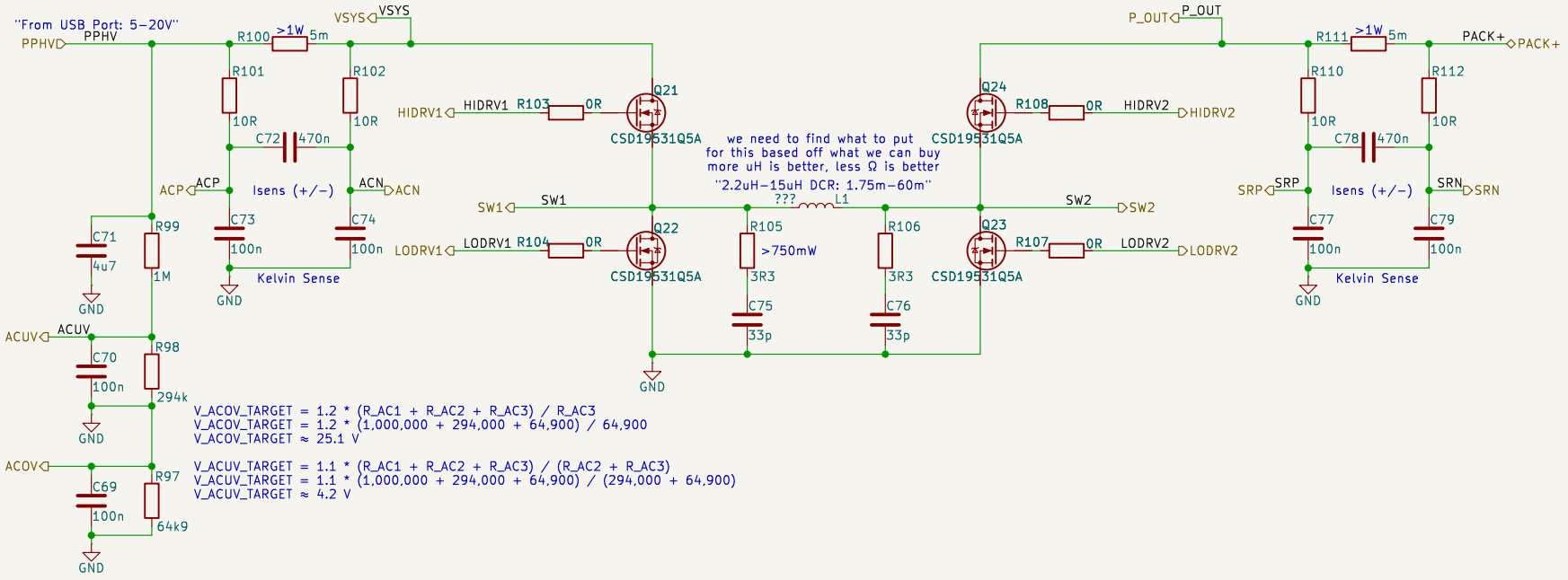




Sheet: /USB-C Power Delivery/Buck-Boost Charger/
File: Buck-Boost Charger.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 17/20



Sheet: /USB-C Power Delivery/Charger FET Array/		
File: Charger FET Array.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 19/20

PACK+

Sheet: /6V High Power Line/
File: 6V High Power Line.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.3		Id: 20/20