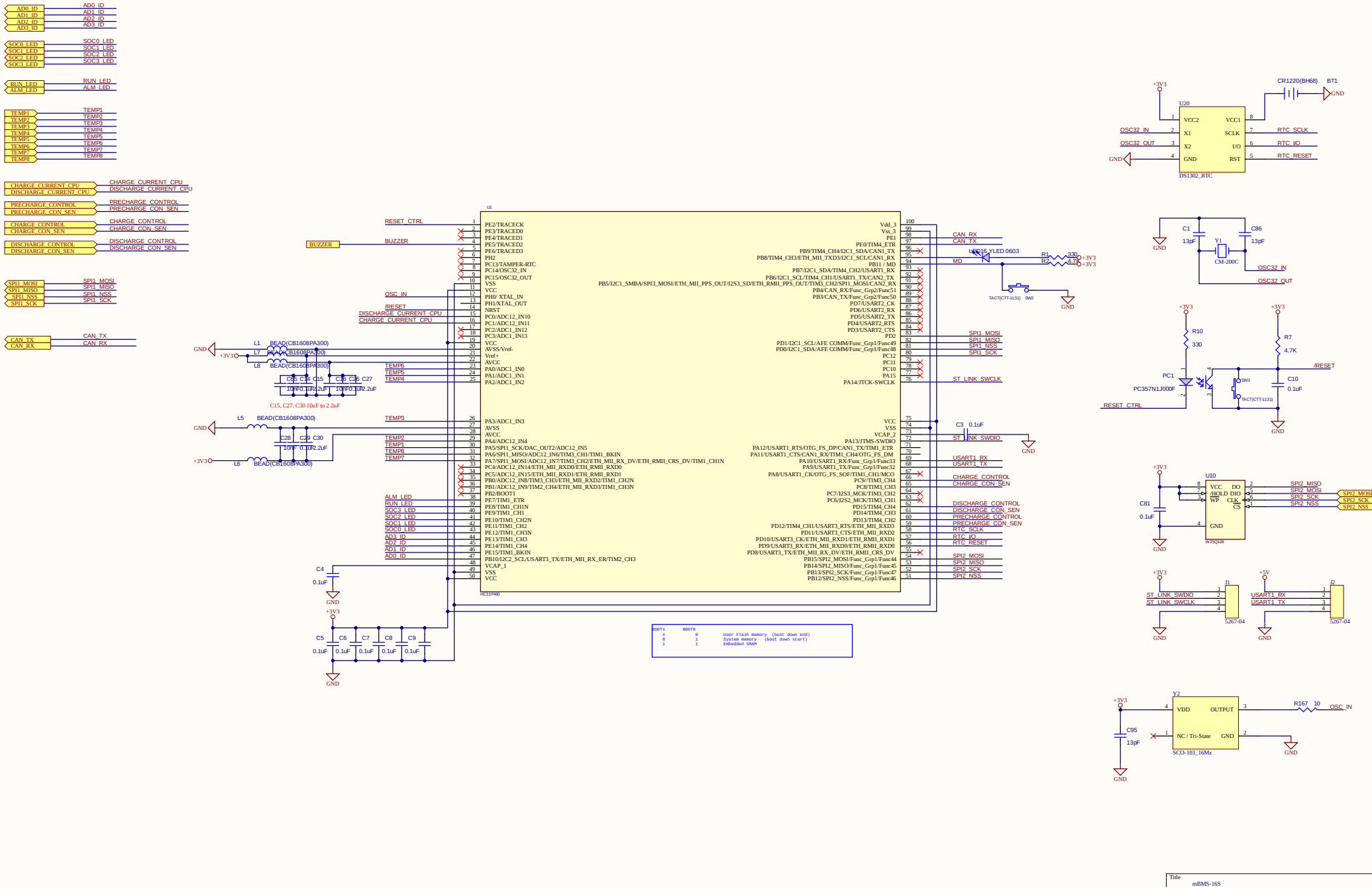
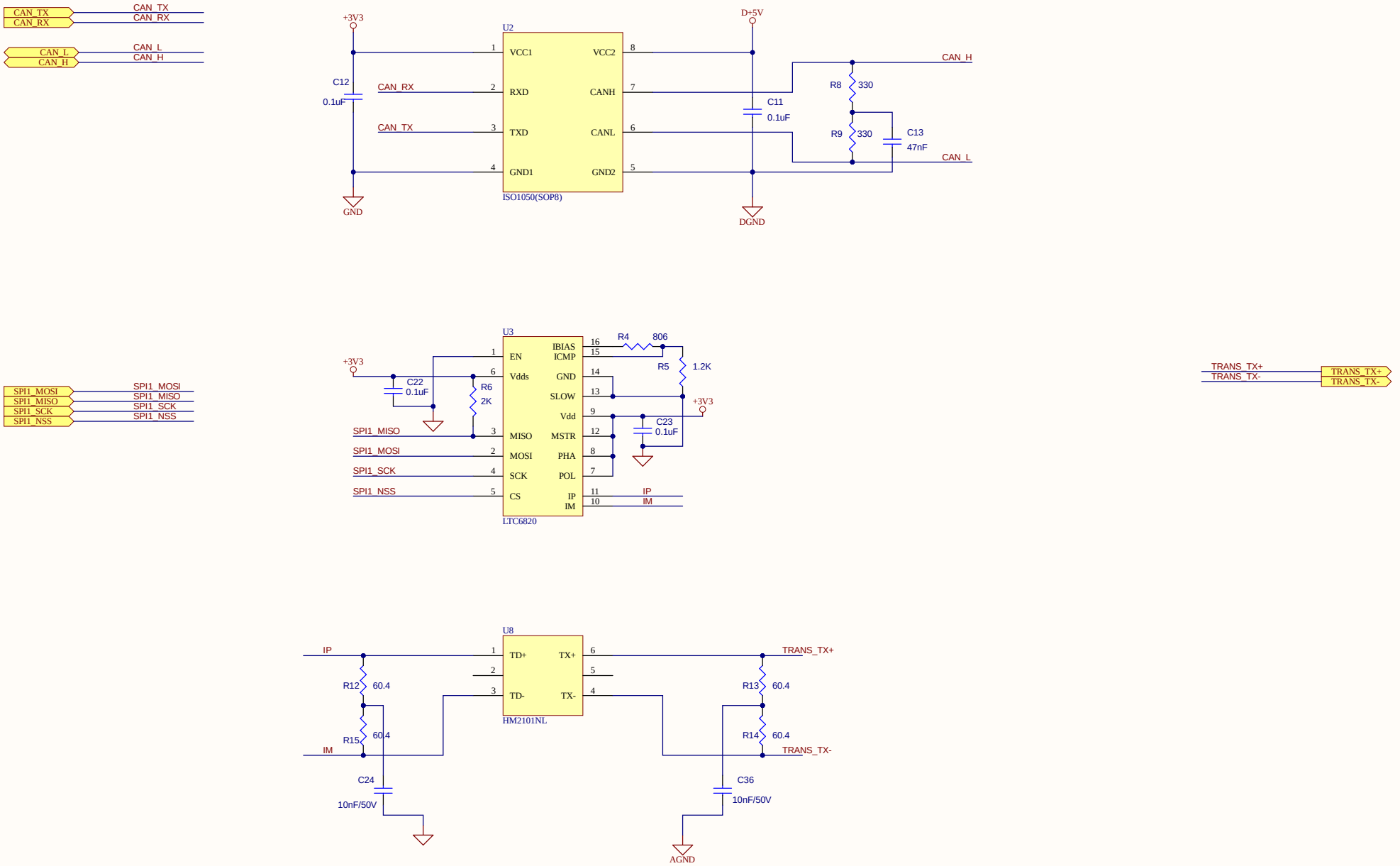
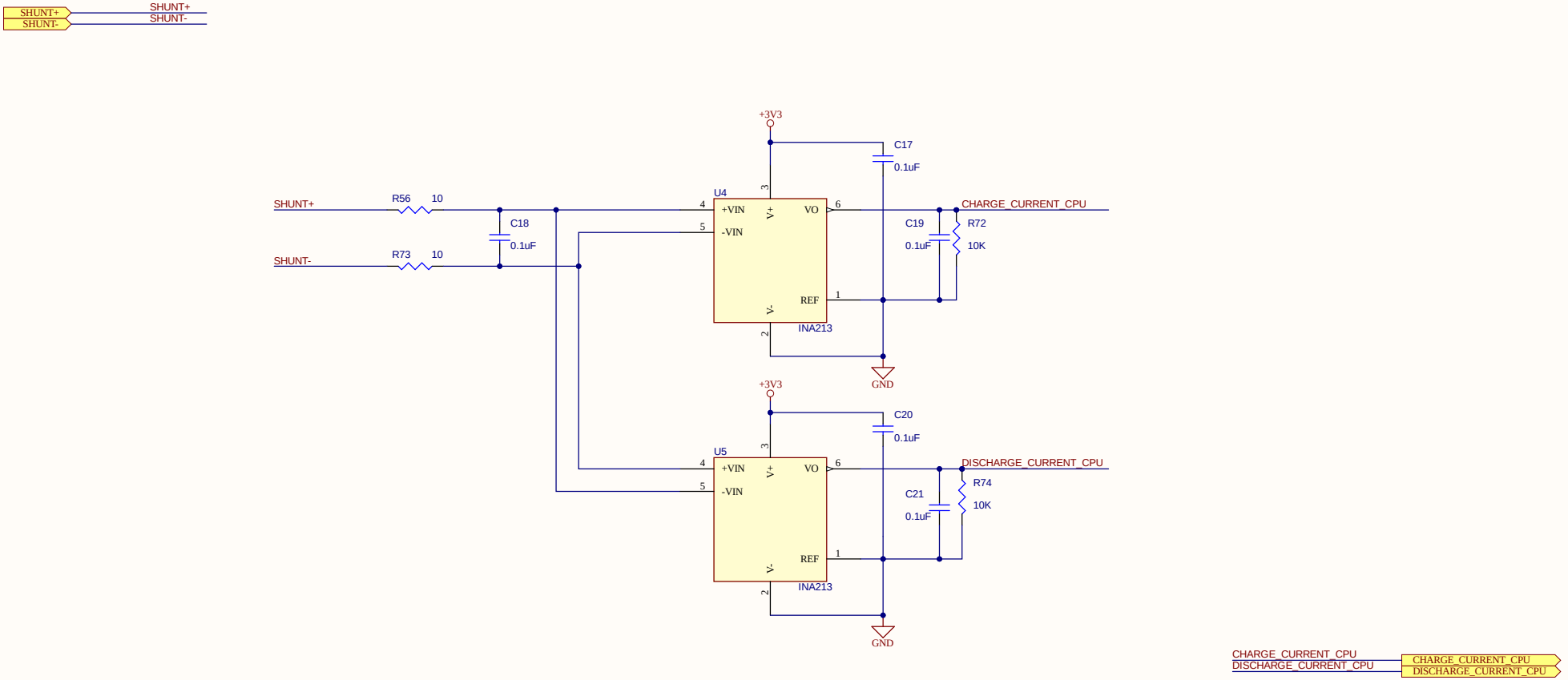


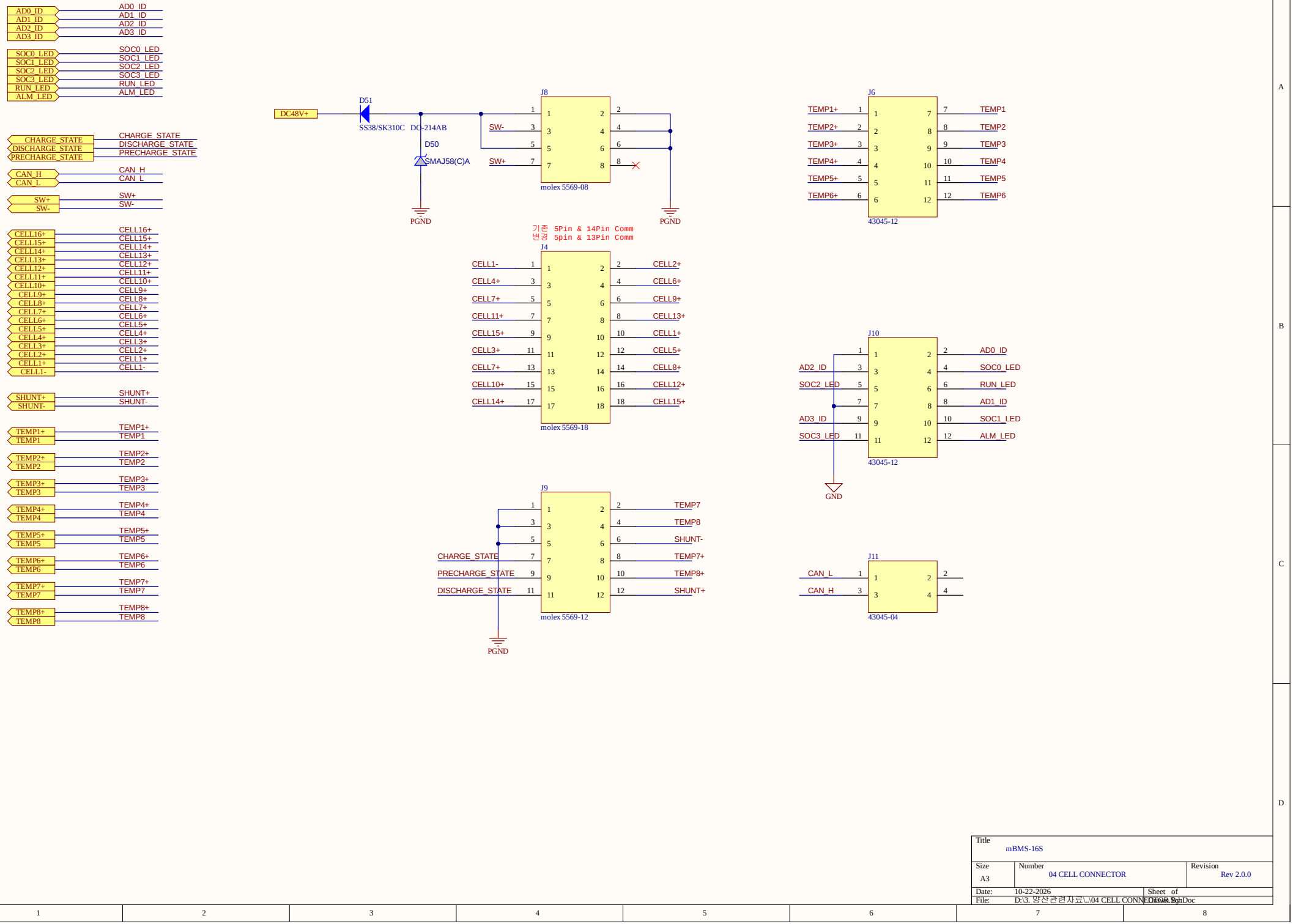
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A2			
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Title	mBMS-16S	
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Title	mBMS-16S	
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Date: 10-22-2026	Sheet of	
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AD0_ID
AD1_ID
AD2_ID
AD3_ID
SOC0_LED
SOC1_LED
SOC2_LED
SOC3_LED
RUN_LED
ALM_LED
CHARGE_STATE
DISCHARGE_STATE
PRECHARGE_STATE
CAN_H
CAN_L
SW+
SW-
CELL16+
CELL15+
CELL14+
CELL13+
CELL12+
CELL11+
CELL10+
CELL9+
CELL8+
CELL7+
CELL6+
CELL5+
CELL4+
CELL3+
CELL2+
CELL1+
CELL1-
SHUNT+
SHUNT-
TEMP1+
TEMP1
TEMP2+
TEMP2
TEMP3+
TEMP3
TEMP4+
TEMP4
TEMP5+
TEMP5
TEMP6+
TEMP6
TEMP7+
TEMP7
TEMP8+
TEMP8
DC48V+
D51
SS38/SK310C
DO-214AB
D50
SMAJ58(C)A
PGND
J8
molex 5569-08
기존 5Pin & 14Pin Comm
변경 5pin & 13Pin Comm
J4
molex 5569-18
J9
molex 5569-12
J6
43045-12
J10
43045-12
GND
J11
43045-04
Title
mBMS-16S
Size
A3
Number
04 CELL CONNECTOR
Revision
Rev 2.0.0
Date:
10-22-2026
Sheet of
File:
D:\3. 양산 관련 자료\..\04 CELL CONNECTOR.SchDoc
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CHARGE_CONTROL
CHARGE_CON_SEN
DISCHARGE_CONTROL
DISCHARGE_CON_SEN
PRECHARGE_CONTROL
PRECHARGE_CON_SEN
PRECHARGE_STATE
DISCHARGE_STATE
CHARGE_STATE

CHG_RLY_CTRL

+3V3 D+12V Q201 FQB34P10 R203 0(2012) CHARGE_STATE
BZT52C18 (18V) D201 C201 0.1uF R202 12K
R201 330
PC201 PC357N1J000F
CHARGE_CONTROL
R204 12K
PGND

MCU 방향
CHARGE_CON_SEN
+3V3 R213 4.7K R214 2K CHARGE_STATE
PC2 PC357N1J000F
GND PGND

DCHG_RLY_CTRL

+3V3 D+12V Q202 FQB34P10 R208 0(2012) DISCHARGE_STATE
BZT52C18 (18V) D202 C202 0.1uF R206 12K
R205 330
PC202 PC357N1J000F
DISCHARGE_CONTROL
R207 12K
PGND

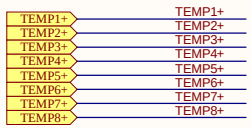
MCU 방향
DISCHARGE_CON_SEN
+3V3 R215 4.7K R216 2K DISCHARGE_STATE
PC4 PC357N1J000F
GND PGND

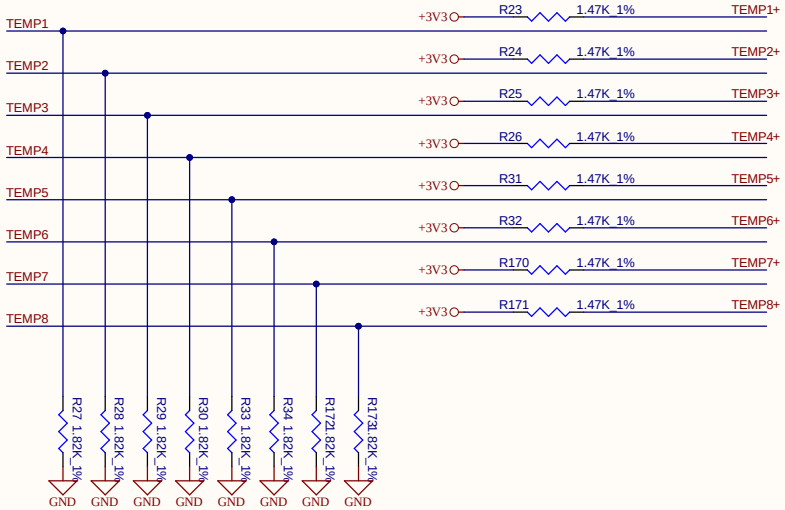
PRECHG_RLY_CTRL

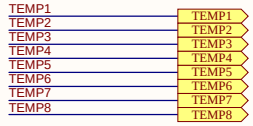
+3V3 D+12V Q203 FQB34P10 R212 0(2012) PRECHARGE_STATE
BZT52C18 (18V) D203 C203 0.1uF R210 12K
R209 330
PC203 PC357N1J000F
PRECHARGE_CONTROL
R211 12K
PGND

MCU 방향
PRECHARGE_CON_SEN
+3V3 R217 4.7K R218 2K PRECHARGE_STATE
PC6 PC357N1J000F
GND PGND

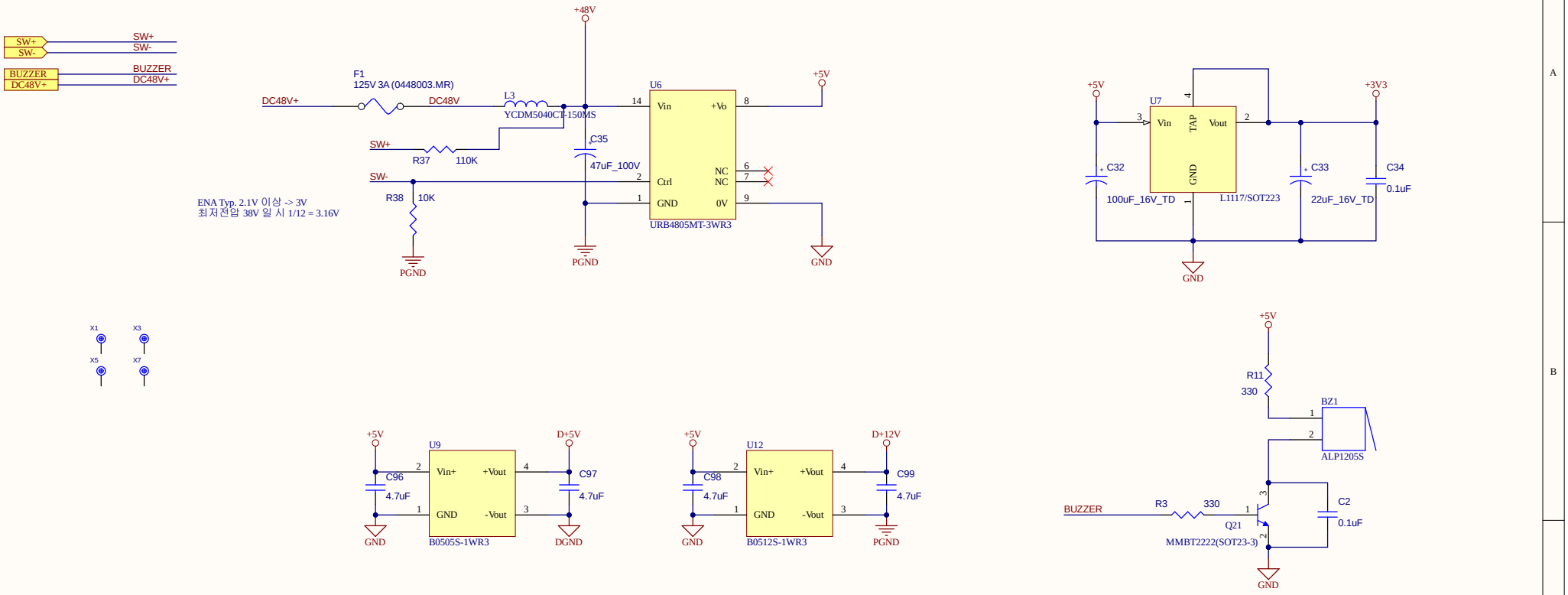
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Date: 10-22-2026	Sheet of	
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Date: 10-22-2026		Sheet of
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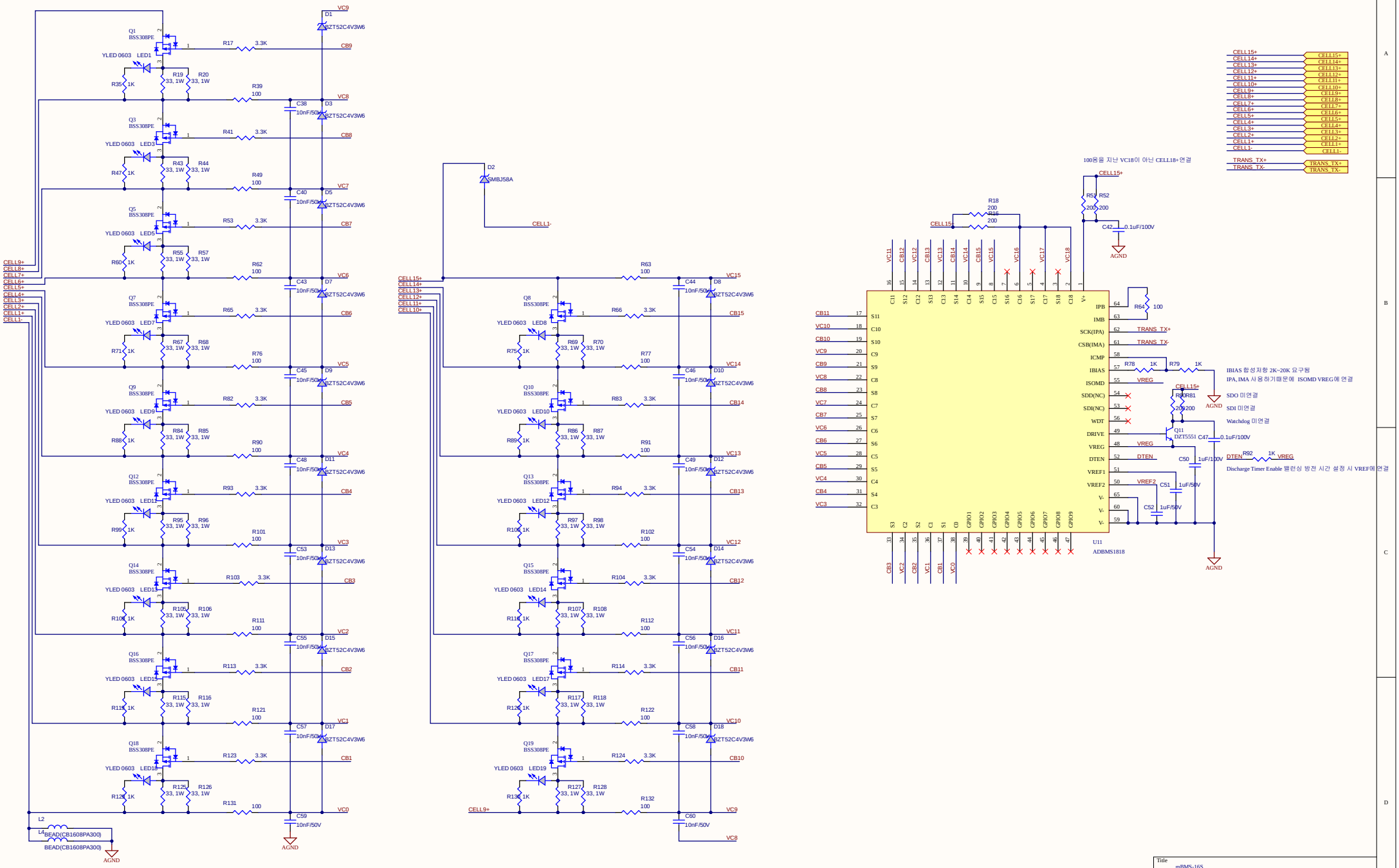


PGND -> B GND

D+12V_GND -> P- GND

변경 예정

Title: mBMS-16S		
Size: A3	Number: 07 POWER	Revision: Rev 2.0.0
Date: 10-22-2026		Sheet of
File: D:\3. 양산 관련 자료\..\07 POWER.SchDoc		Drawn By:



Title: mBMS-16S		
Size: A2	Number: 09 AFE CTR FET	Revision: Rev 2.0.0
Date: 10-22-2026	Sheet of	
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