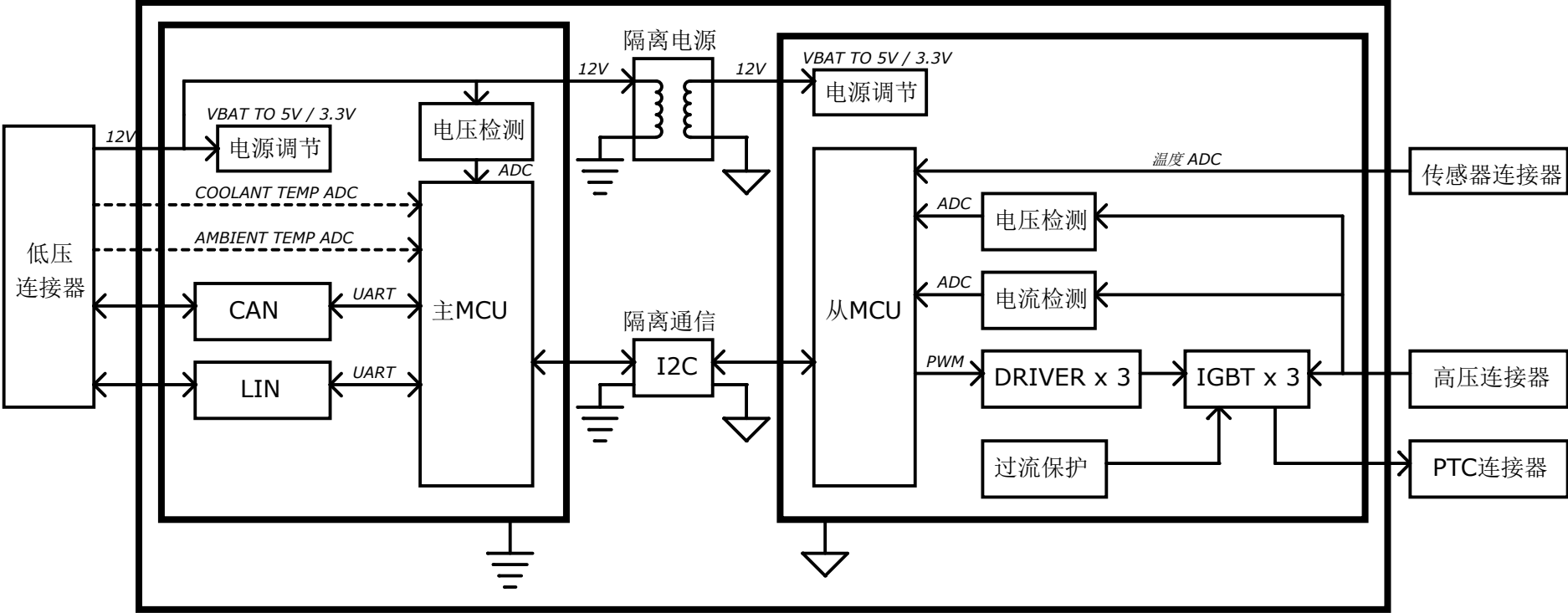
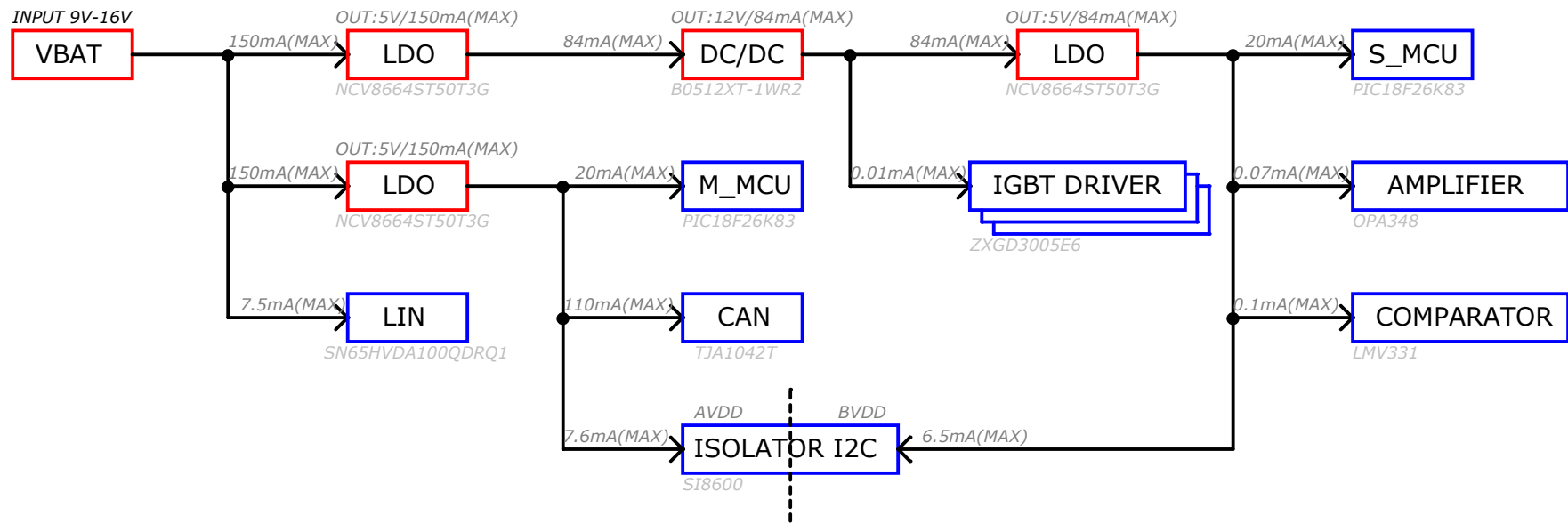


# 1 BLOCK DIAGRAM



# 2 POWER PLANE

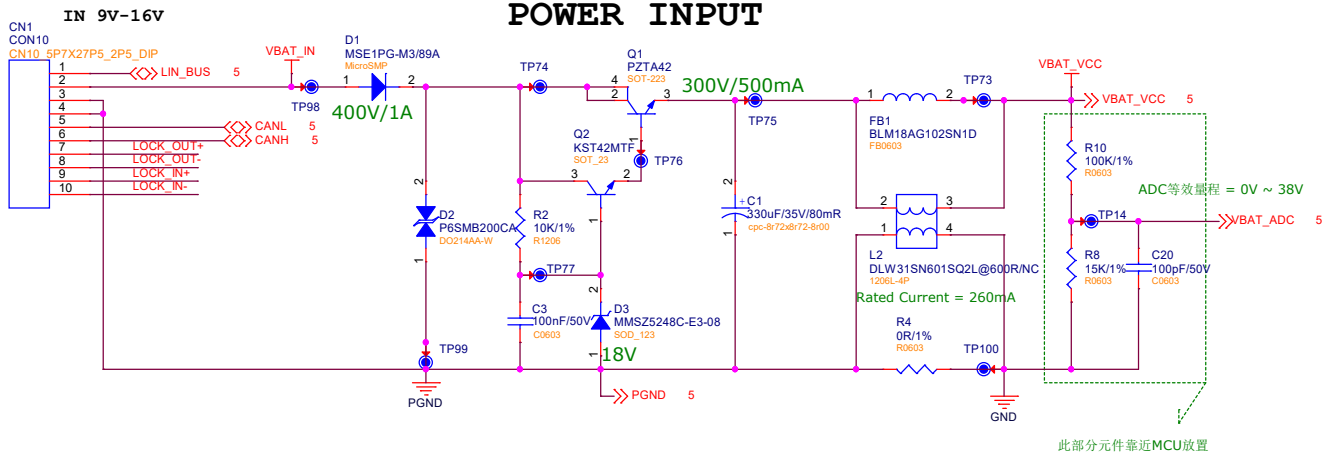


# 3 HISTORY

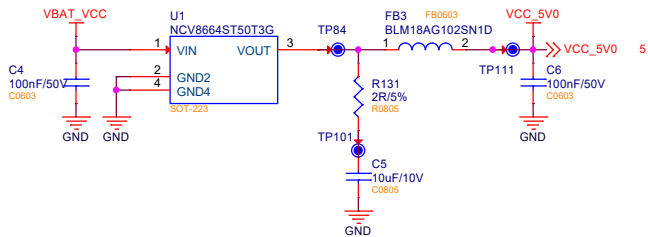
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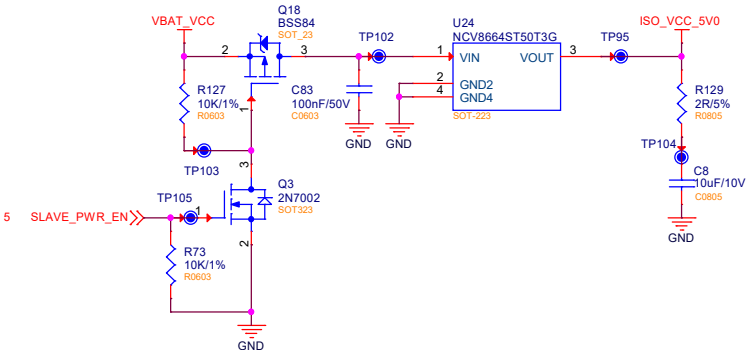
# 4 POWER



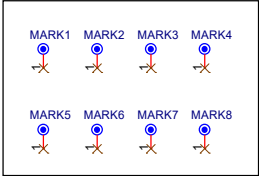
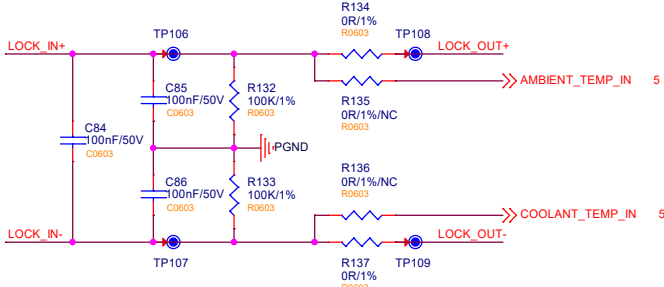
## POWER FOR MASTER PARTS



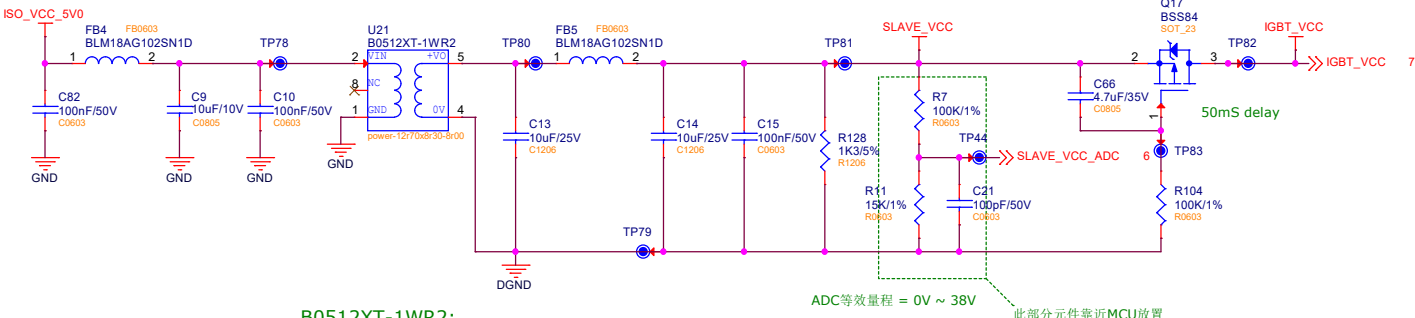
## FOR ISOLATORS POWER



## HV LOCK IN



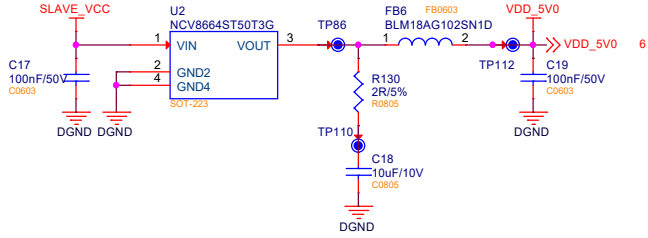
## ISOLATION POWER FOR SLAVE PARTS



B0512XT-1WR2:

Input Voltage: 4.5V~5.5V  
Output Voltage: 11.1V(Min) / 13.2V(Max)  
Output Current: 9mA(Min) / 84mA(Max)

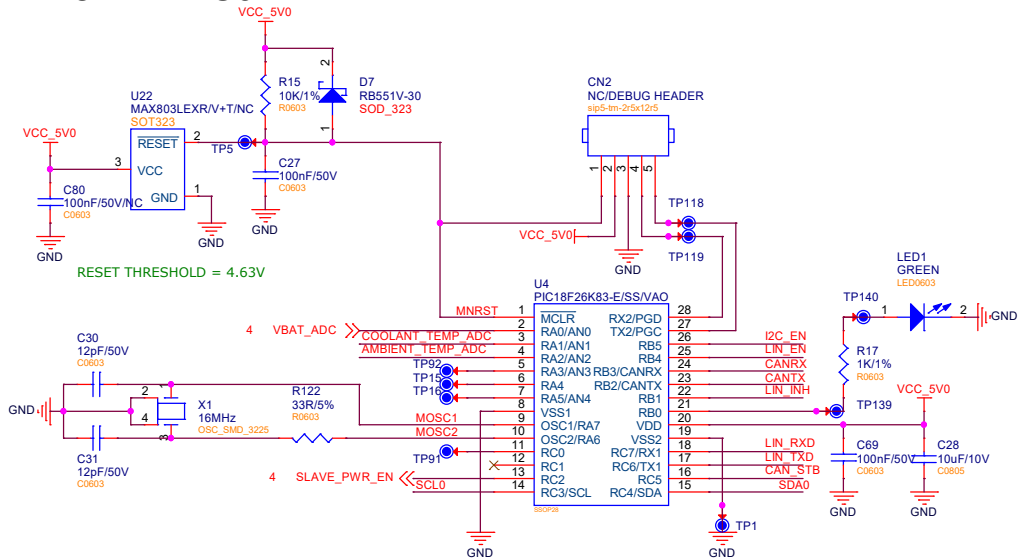
## POWER FOR SLAVE PARTS



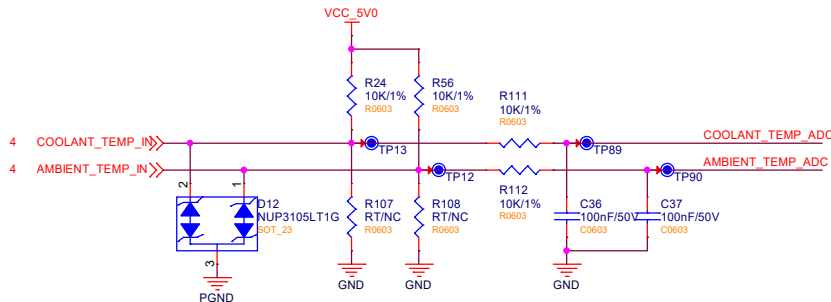
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# 5 MASTER MCU & CAN & LIN

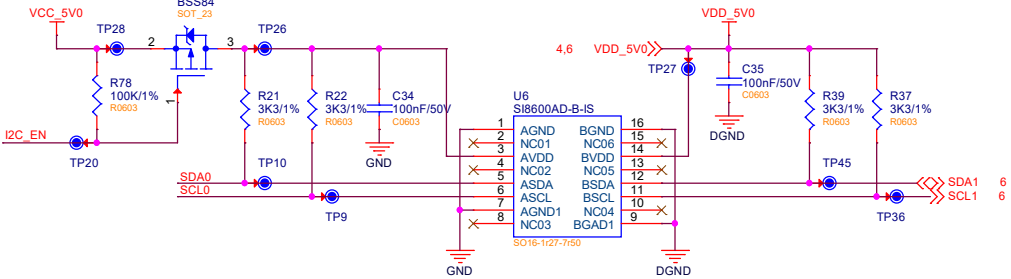
## MASTER MCU



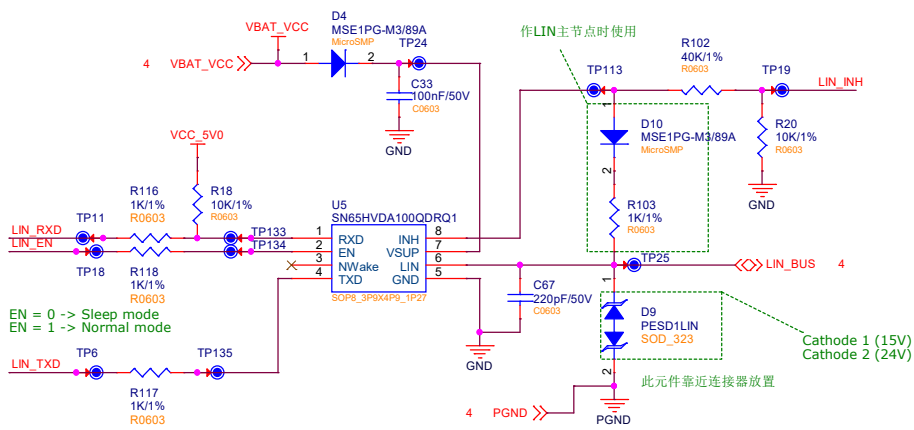
## TEMP SENSORS



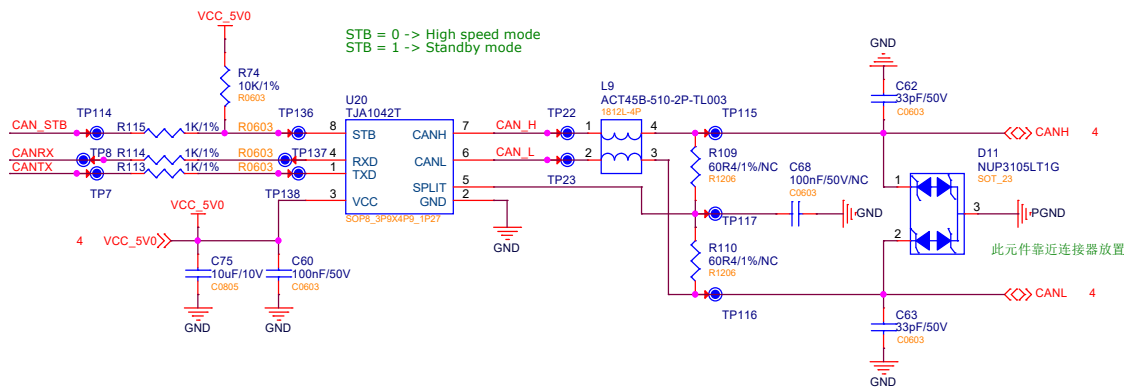
## I2C ISOLATION



## LIN-BUS



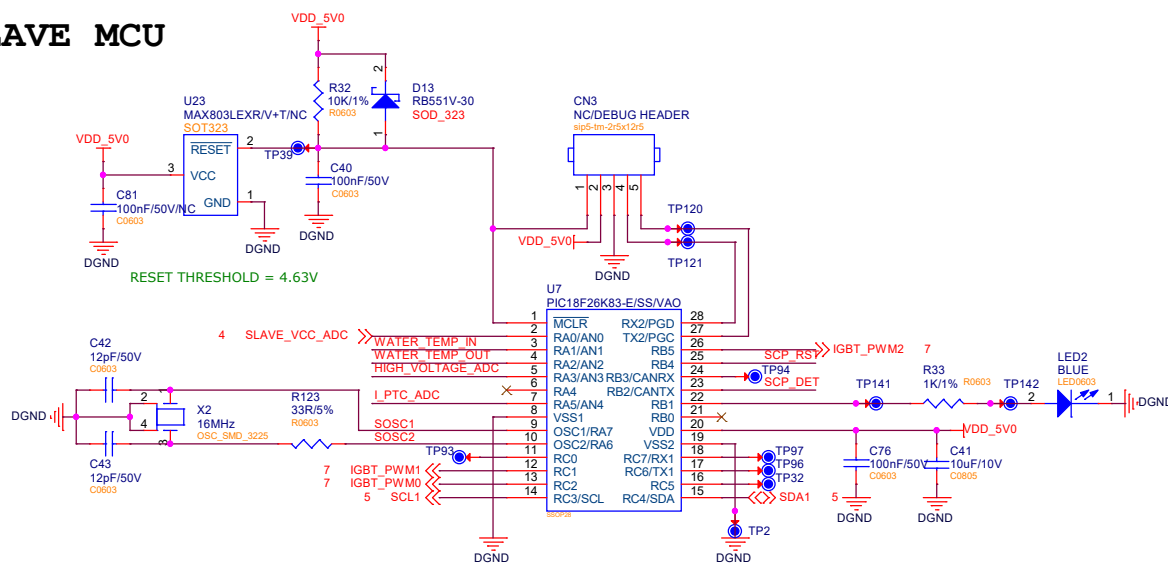
## CAN-BUS



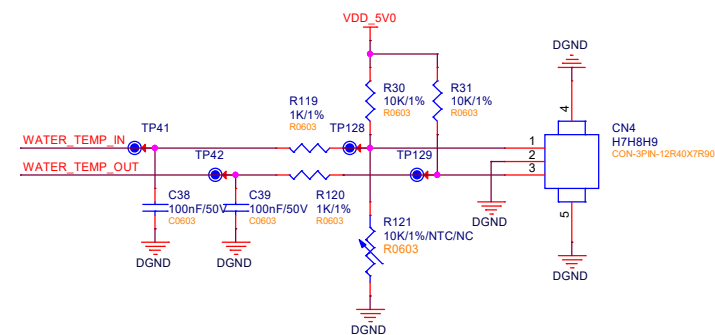
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## 6 SLAVE MCU & PROTECT

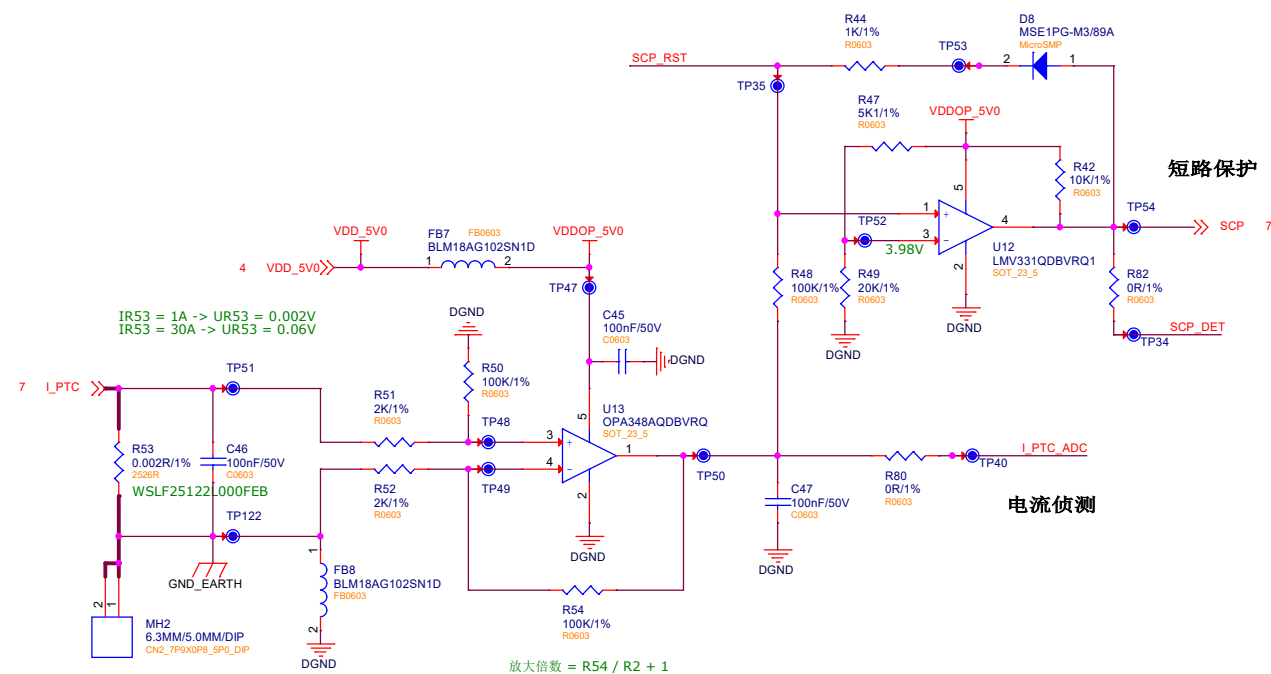
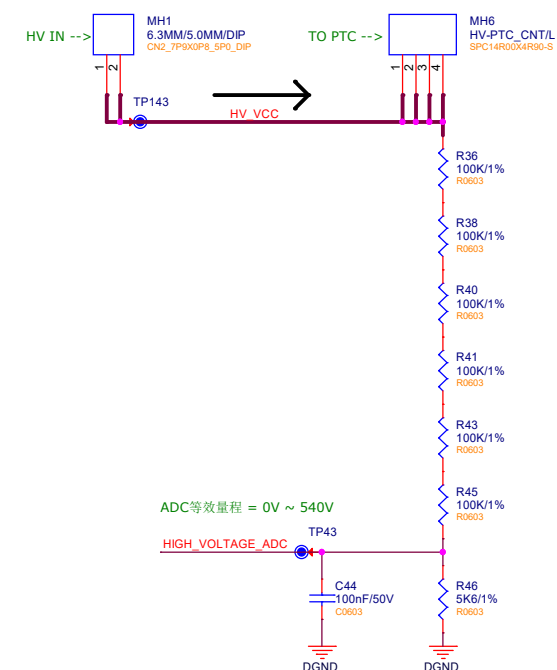
## SLAVE MCU



## WATER TEMPERATURE SENSORS

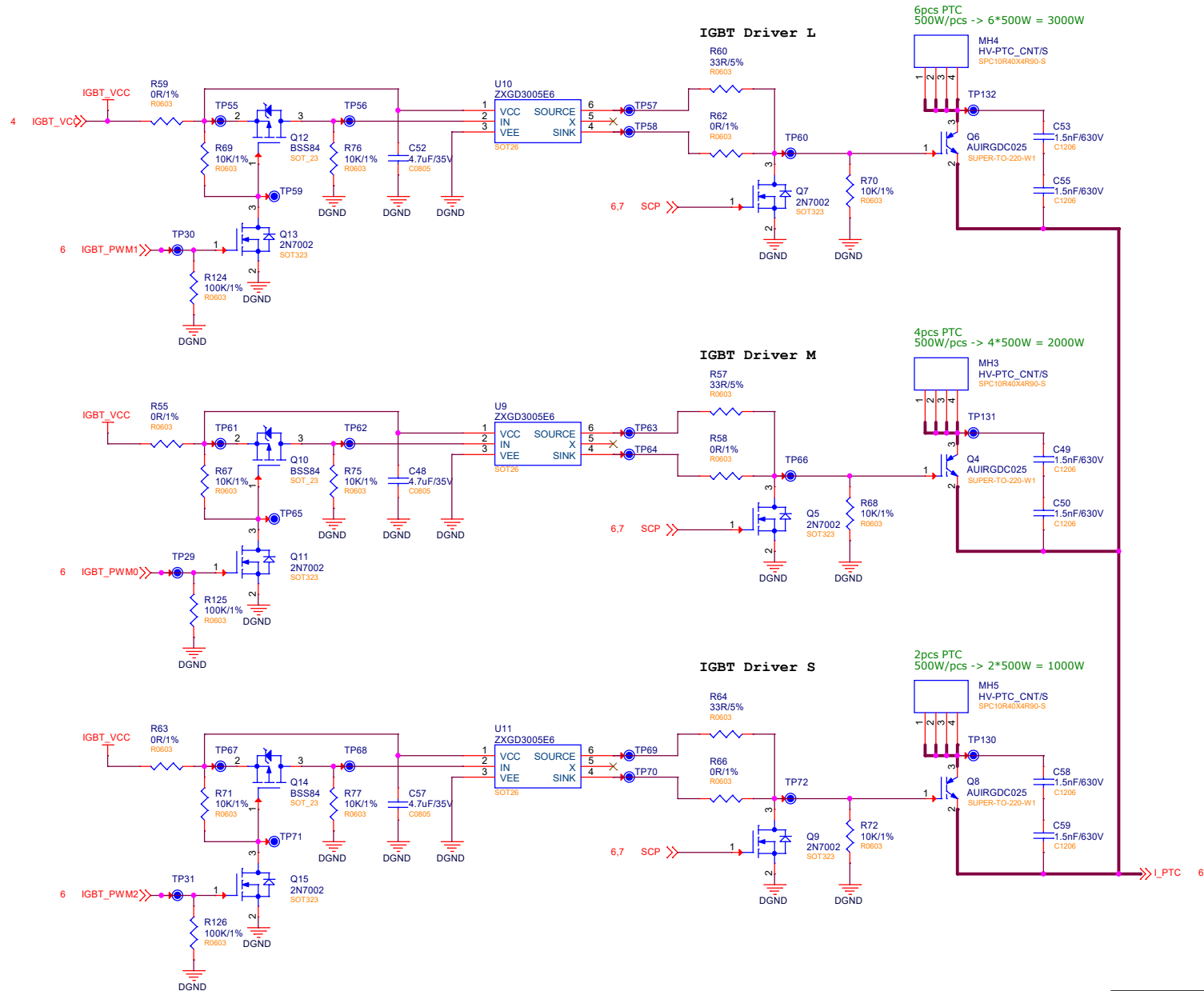


## HIGH VOLTAGE IN & MEASURE



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# 7 IGBT & DRIVER



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