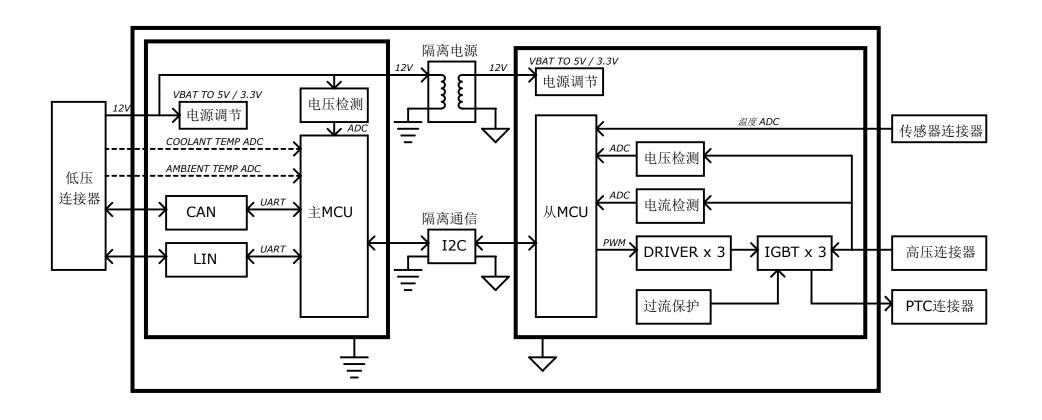
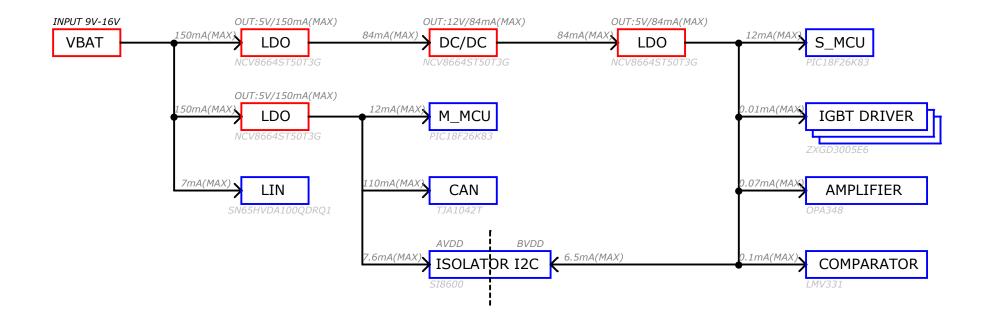
# 1 BLOCK DIAGRAM



# **2 POWER PLANE**

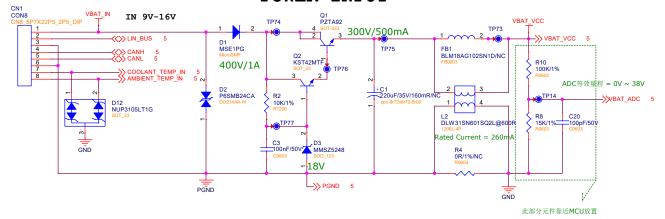


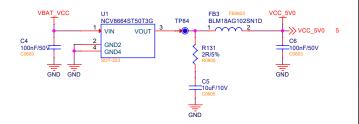
 **3 HISTORY** PHU\_MB\_SCH\_V0.1 [yangxutao 2019/09/09] Document Number <Doc> Tuesday, October 08, 2019

### **4 POWER**

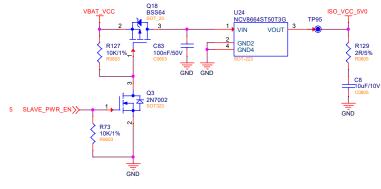
### POWER FOR MASTER PARTS

### POWER INPUT

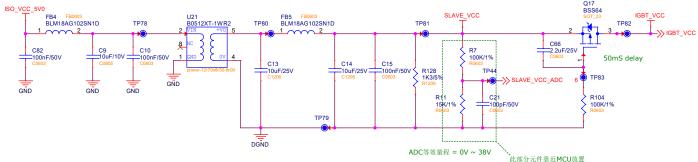




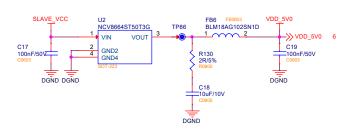
### FOR ISOLATORS POWER



### ISOLATION POWER FOR SLAVE PARTS



### POWER FOR SLAVE PARTS

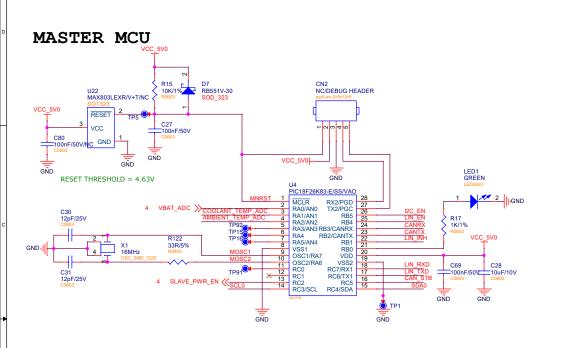


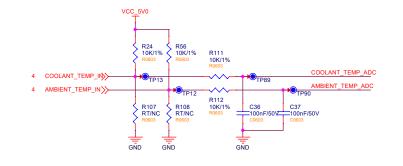
#### B0512XT-1WR2:

Input Voltage:10.8V~13.2V Output Voltage:13.2V(Max) / 11.1V(Min) Output Current:84mA(Max) / 9mA(Min)

# **5 MASTER MCU & CAN & LIN**

#### TEMP SENSORS



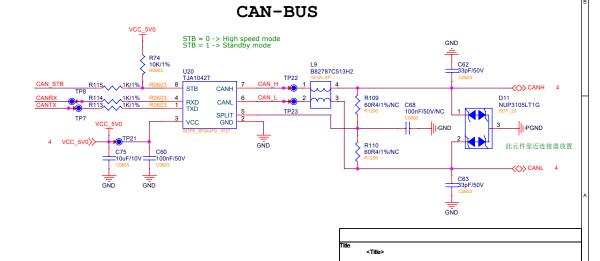


#### BSS84 VCC 5V0 VDD\_5V0 4,6 VDD\_5V0>> TP27 C35 100K/1% R21 R22 3K3/1% 3K3/1% 3K3/1% > 3K3/1% AGND NC01 BGND NC06 AVDD GND TP20 TP10 TP45 NC02 NC05 BSDA BSCL NC04 ASDA ASCL AGND1 NC03 BGAD1

I2C ISOLATION

#### VBAT\_VCC D4 MSE1PG 作LIN主节点时使用 R102 TP19 C33 100nF/50V R20 10K/1% VCC\_5V0 MSE1PG R116 R18 1K/1% SN65HVDA100QDRQ1 1K/1% RXD VSUP -⟨⟨⟩⟩ LIN\_BUS 4 4 NWake LIN TXD GND C67 220nF/50V EN = 0 -> Sleep mode EN = 1 -> Normal mode 此元件靠近连接器放置 LIN TXD GND R117 4 PGND >> 1K/1%

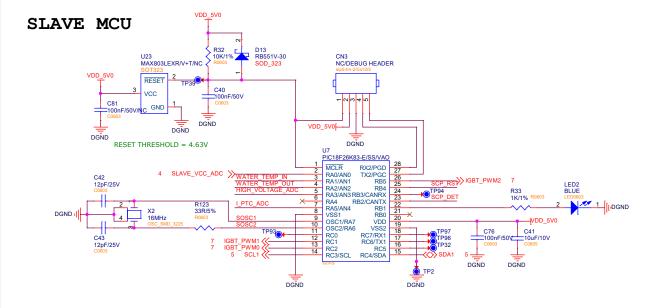
LIN-BUS

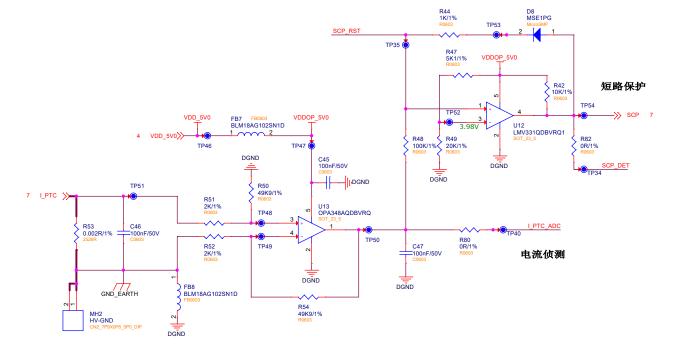


Document Number

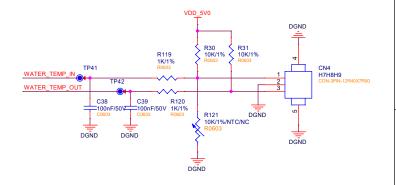
ev V0.1

### **6 SLAVE MCU & PROTECT**

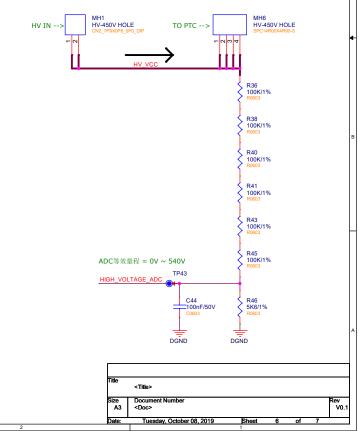




### WATER TEMPERATURE SENSORS



### HIGH VOLTAGE IN & MEASURE



### 7 IGBT & DRIVER

