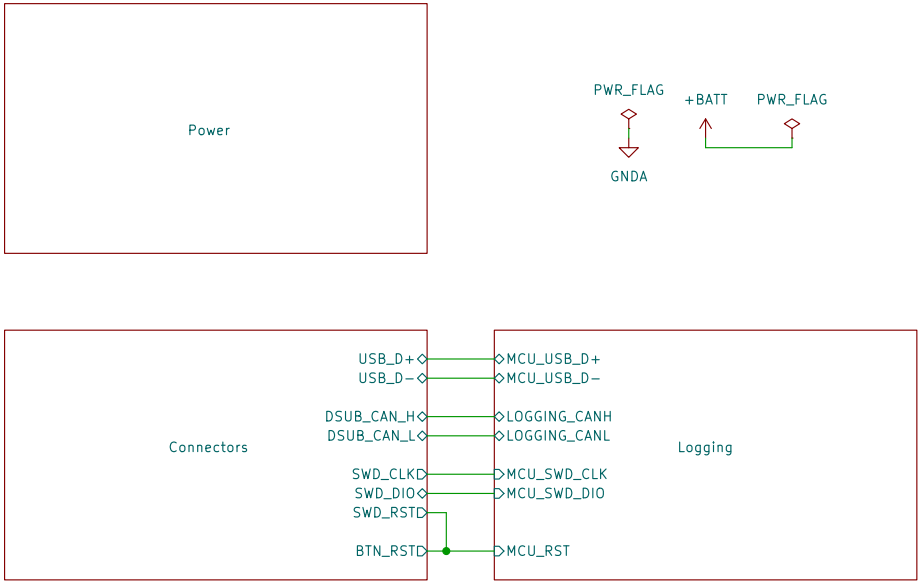
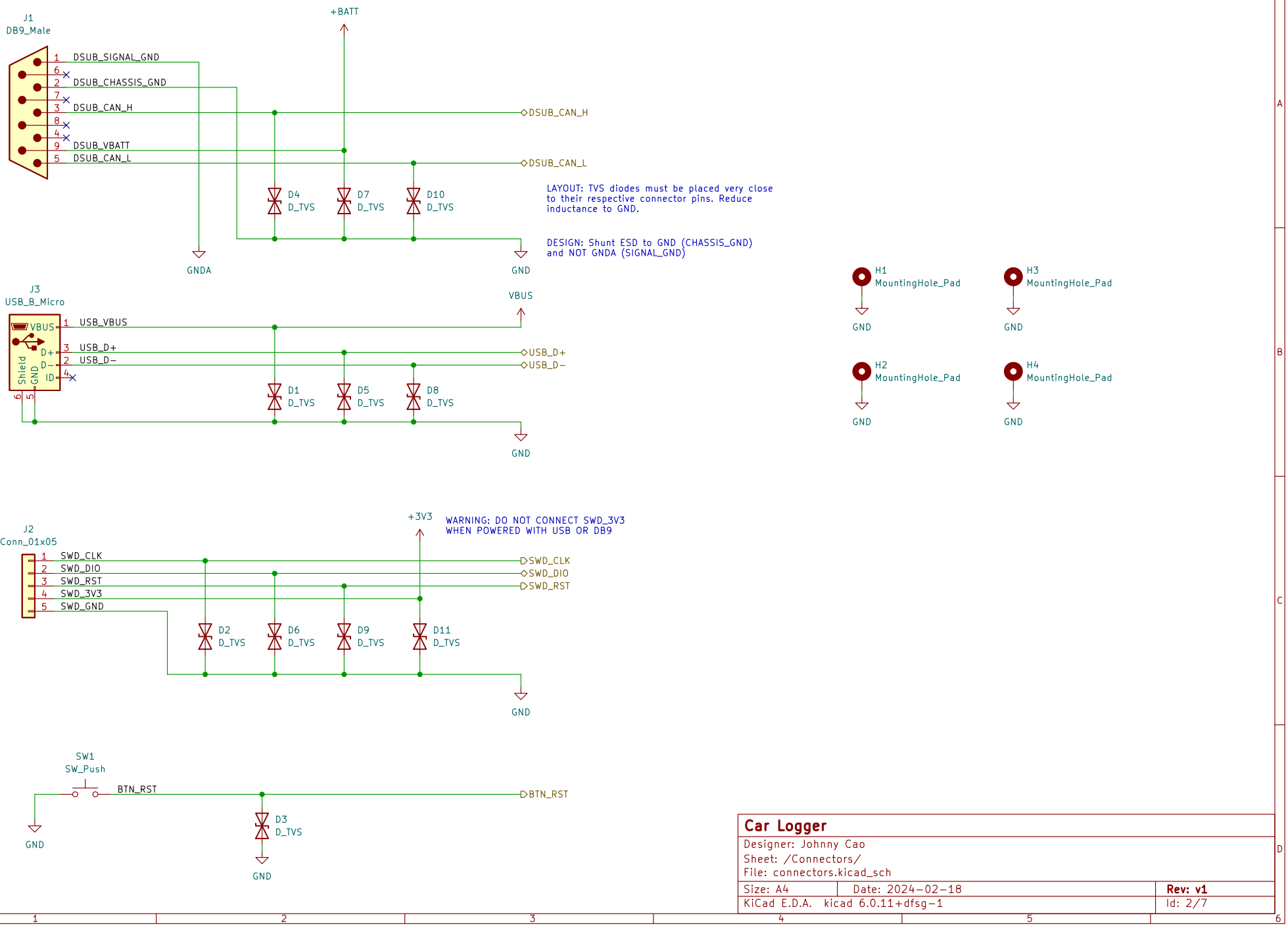
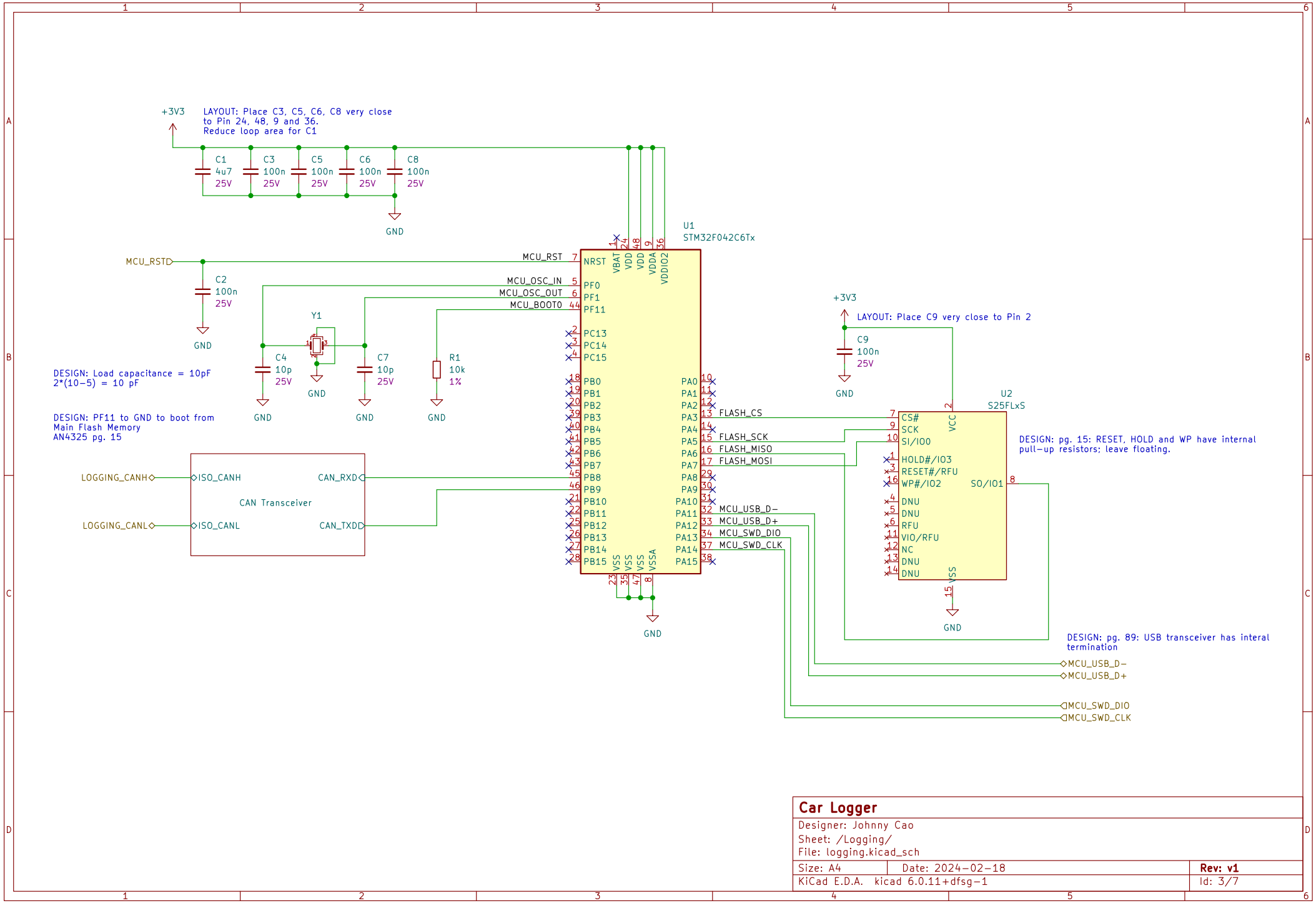


Car Logger		
Designer: Johnny Cao		
Sheet: /		
File: car-logger.kicad_sch		
Size: A4	Date: 2024-02-18	**Rev: v1**
KiCad E.D.A. kicad 6.0.11+dfsg-1		Id: 1/7

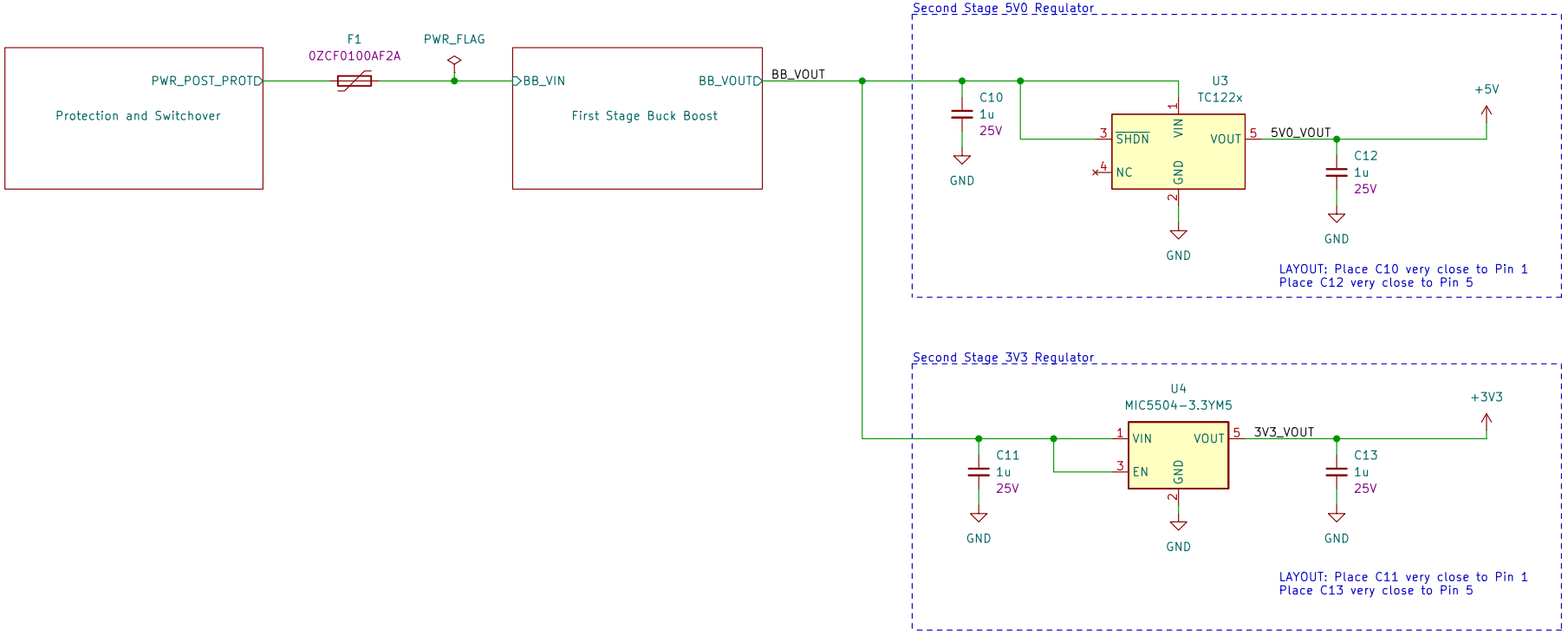

J1
DB9_Male
+BATT
DSUB_SIGNAL_GND
DSUB_CHASSIS_GND
DSUB_CAN_H
DSUB_VBATT
DSUB_CAN_L
DSUB_CAN_H
DSUB_CAN_L
D4
D_TVS
D7
D_TVS
D10
D_TVS
LAYOUT: TVS diodes must be placed very close to their respective connector pins. Reduce inductance to GND.
DESIGN: Shunt ESD to GND (CHASSIS_GND) and NOT GNDA (SIGNAL_GND)
GNDA
GND
J3
USB_B_Micro
VBUS
USB_VBUS
USB_D+
USB_D−
Shield
GND
D1
D_TVS
D5
D_TVS
D8
D_TVS
H1
MountingHole_Pad
H2
MountingHole_Pad
H3
MountingHole_Pad
H4
MountingHole_Pad
J2
Conn_01x05
+3V3
WARNING: DO NOT CONNECT SWD_3V3 WHEN POWERED WITH USB OR DB9
SWD_CLK
SWD_DIO
SWD_RST
SWD_3V3
SWD_GND
D2
D_TVS
D6
D_TVS
D9
D_TVS
D11
D_TVS
SW1
SW_Push
BTN_RST
D3
D_TVS
Car Logger
Designer: Johnny Cao
Sheet: /Connectors/
File: connectors.kicad_sch
Size: A4
Date: 2024-02-18
Rev: v1
KiCad E.D.A. kicad 6.0.11+dfsg-1
Id: 2/7



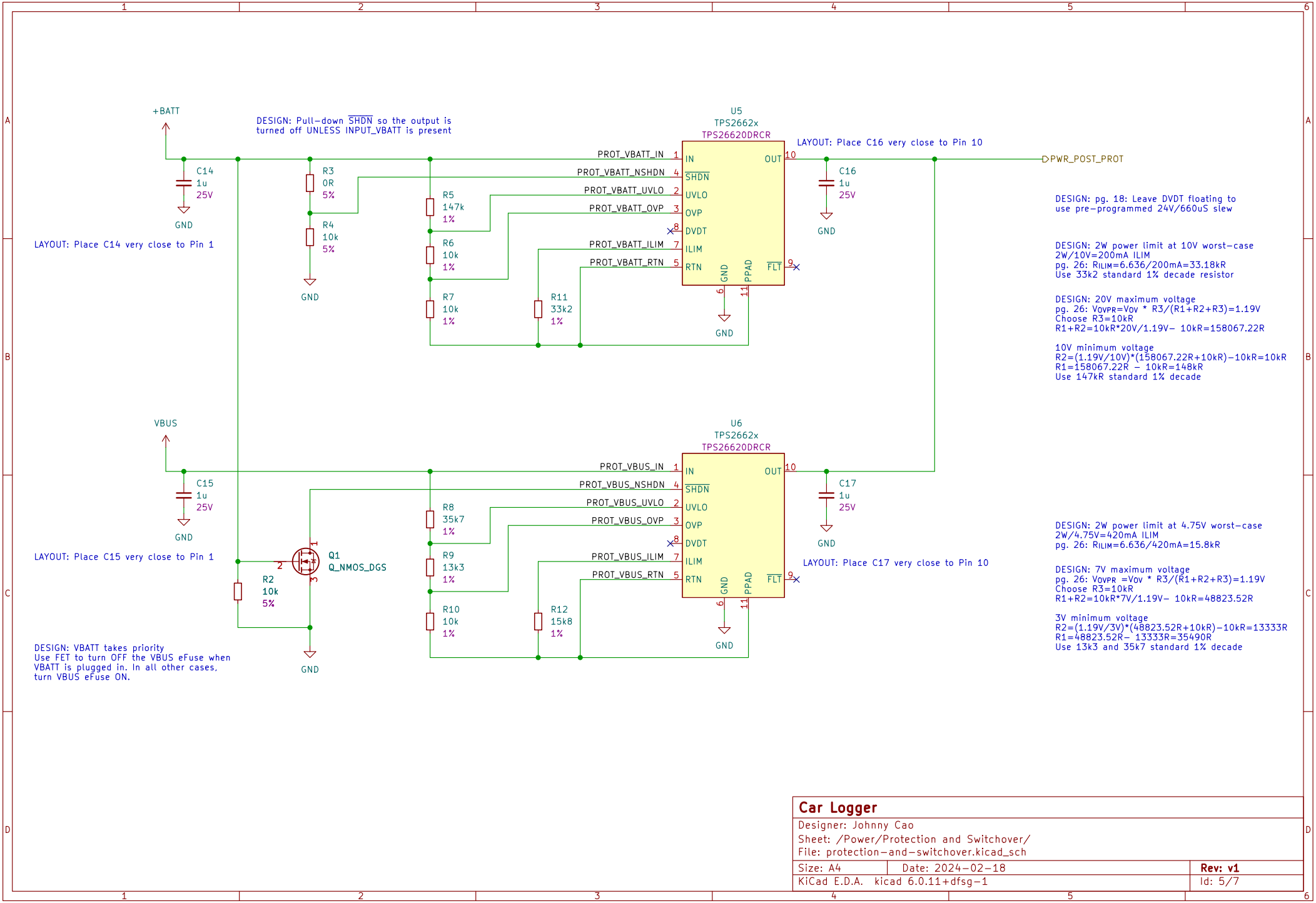
Car Logger

Designer: Johnny Cao
Sheet: /Logging/
File: logging.kicad_sch

Size: A4	Date: 2024-02-18	**Rev: v1**
KiCad E.D.A. kicad 6.0.11+dfsg-1		Id: 3/7



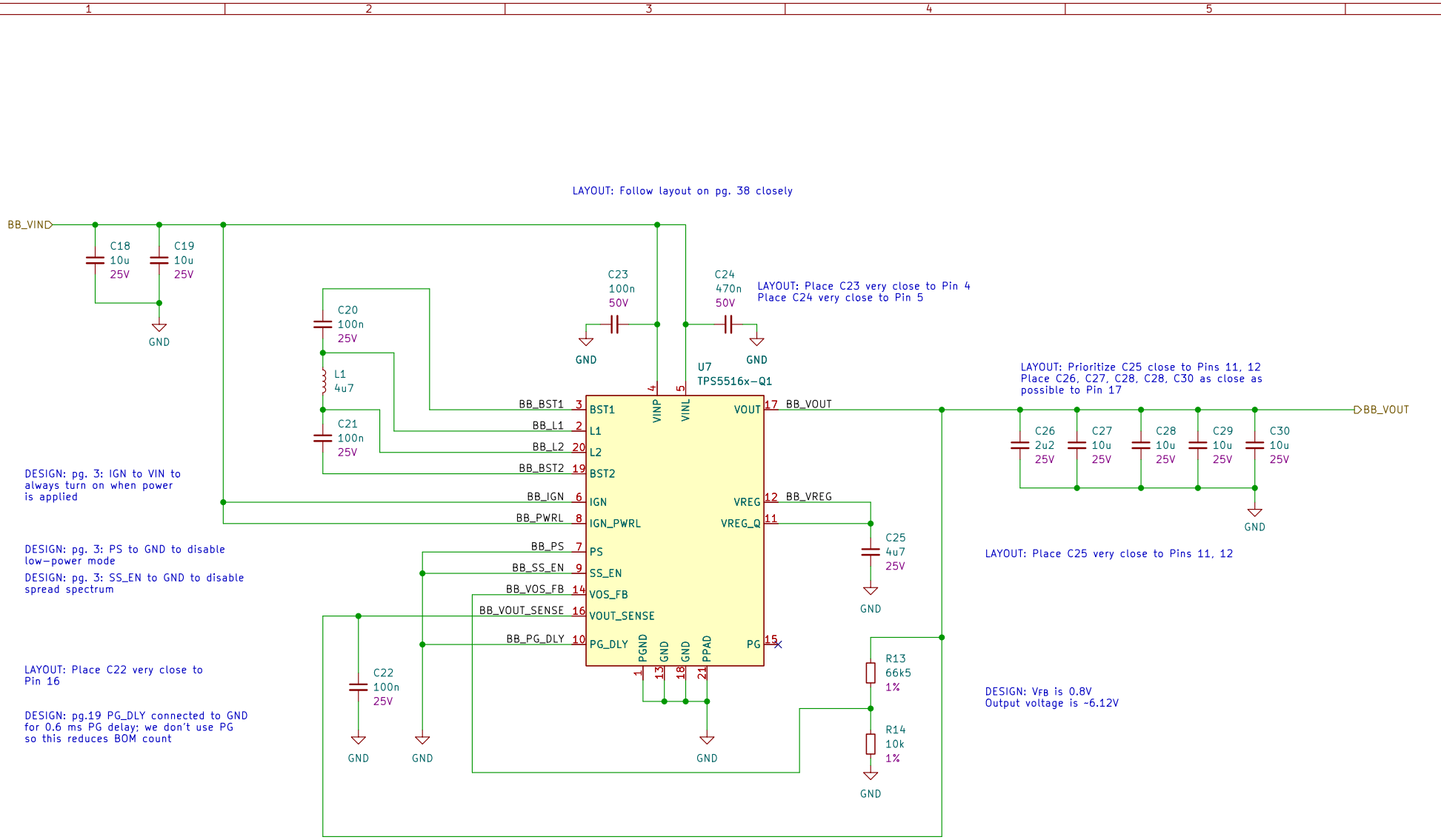
Car Logger		
Designer: Johnny Cao		
Sheet: /Power/		
File: power.kicad_sch		
Size: A4	Date: 2024-02-18	**Rev: v1**
KiCad E.D.A. kicad 6.0.11+dfsg-1		Id: 4/7



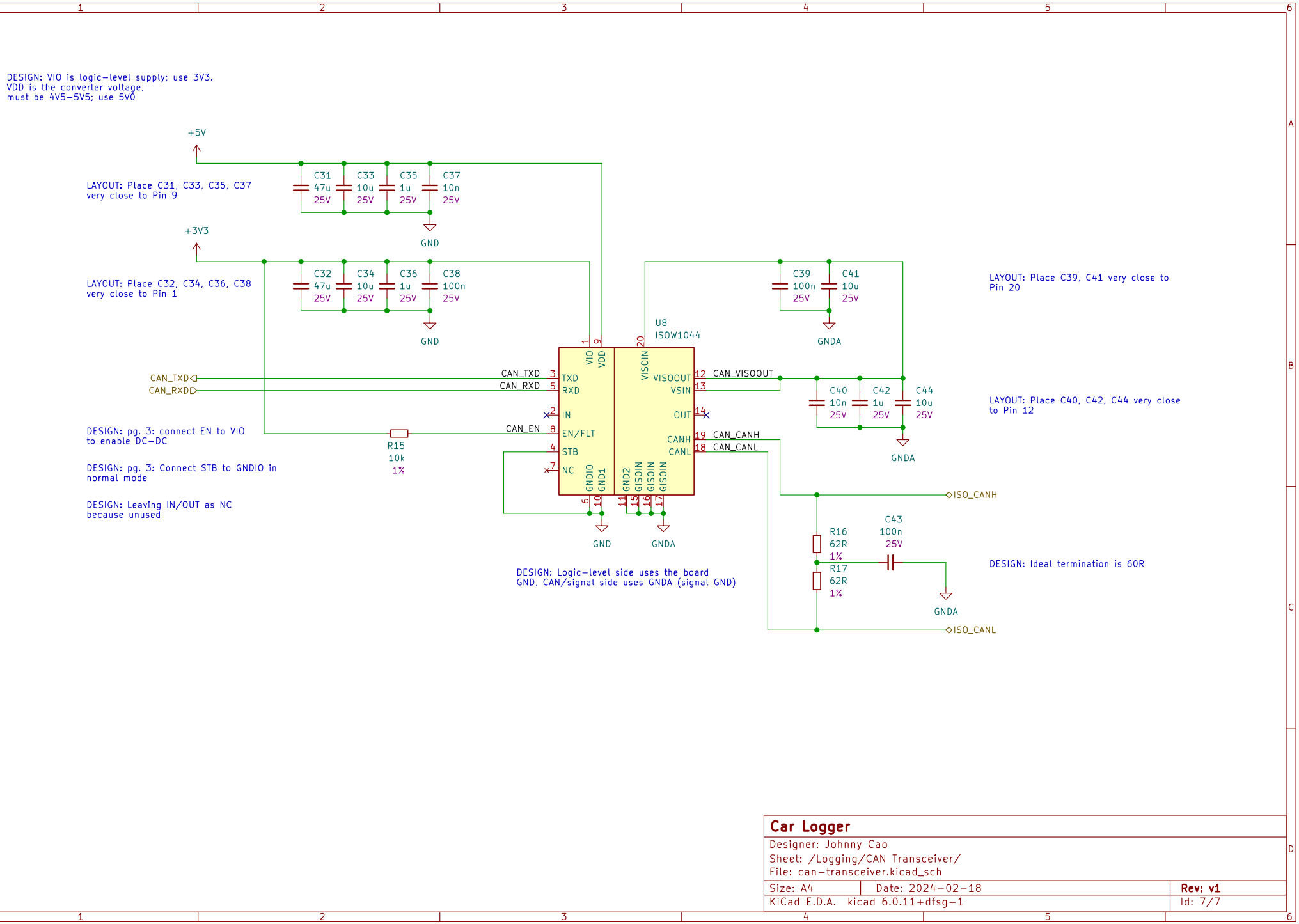
Car Logger

Designer: Johnny Cao
Sheet: /Power/Protection and Switchover/
File: protection-and-switchover.kicad_sch

Size: A4	Date: 2024-02-18	**Rev: v1**
KiCad E.D.A. kicad 6.0.11+dfsg-1		Id: 5/7



Car Logger		
Designer: Johnny Cao		
Sheet: /Power/First Stage Buck Boost/		
File: first-stage-buck-boost.kicad_sch		
Size: A4	Date: 2024-02-18	**Rev: v1**
KiCad E.D.A. kicad 6.0.11+dfsg-1		Id: 6/7



Car Logger		
Designer: Johnny Cao		
Sheet: /Logging/CAN Transceiver/		
File: can-transceiver.kicad_sch		
Size: A4	Date: 2024-02-18	**Rev: v1**
KiCad E.D.A. kicad 6.0.11+dfsg-1		Id: 7/7