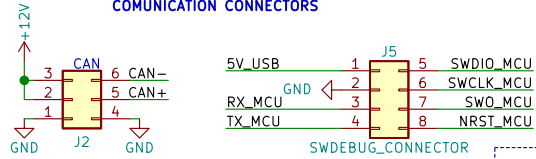
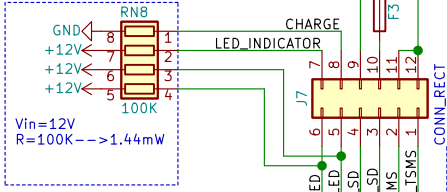


## COMUNICATION CONNECTORS

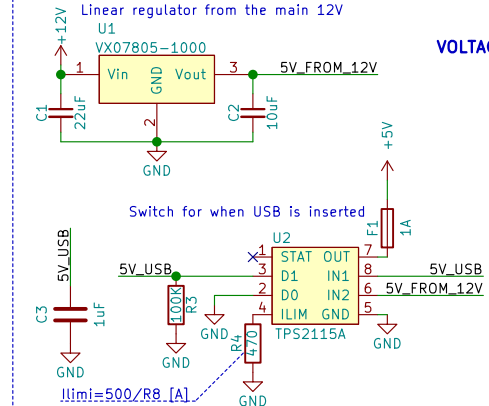


IF\_DISCONNECTED-->ERROR(=0V)

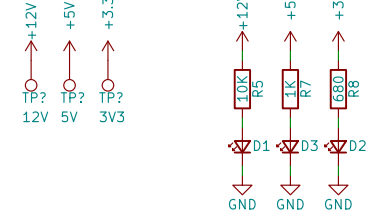


FROM\_SD TP? FORM\_SD  
TO\_TSMS TP? FROM\_TSMS  
TO\_TSMS TP? TO\_TSMS

## VOLTAGE REGULATION



## RAIL PRESENCE LEDs



Sheet: AMS

Sheet: Shutdown

CAN+ CAN-  
CHARGE  
LOW\_CURRENT  
HIGH\_CURRENT  
IMD

FROM\_SD  
TO\_TSMS  
FROM\_TSMS  
BSPD\_SIG  
IMD\_LED  
BMS\_LED  
NRST\_SD  
FROM\_TSMS  
TO\_TSMS  
FROM\_TSMS  
FB\_IMD\_FAULT\_12V  
FB\_BMS\_TO\_12V  
FB\_TS\_ON\_TO\_12V  
FB\_LATCH\_BMS\_12V  
FB\_LATCH\_IMD\_12V  
FB\_BMS\_SD\_12V  
FB\_IMD\_SD\_12V  
FB\_RELAY\_LV\_12V  
FB\_PC\_END\_TO\_12V  
TS\_ON  
PC\_ENDED  
BMS\_FAULT

File: MainShutdown.sch

Sheet: HV

SD\_STATUS  
AIR+\_STATUS  
AIR-\_STATUS

AIR+\_STATUS  
PRECHARGE\_ON

cellboard communication

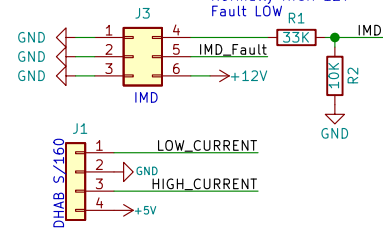
CS\_6820  
SCK  
MISO  
MOSI  
ISO\_CAN\_TX  
ISO\_CAN\_RX  
ADC\_TX  
ADC\_RX  
ADC\_SIN

LED\_INDICATOR  
FB\_TS\_OVER\_60V  
FB\_AIR+\_12V  
FB\_AIR-\_12V

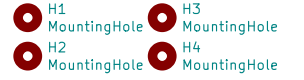
File: MCU.sch

File: HVSide.sch

## IMD connector



## MECHANICAL



CAHRGE is PULL-DOWN  
LED\_INDICATOR is PULL-UP  
IMD\_LED is PULL-UP  
AMS\_LED is PULL-UP  
5V\_USB is PULL-DOWN

Sheet: /  
File: MainBoard.sch

## Title:

Size: A4  
KiCad E.D.A. kicad 5.1.9

Date: 2020-12-10

Rev: v1.1\_wip  
Id: 1/4

