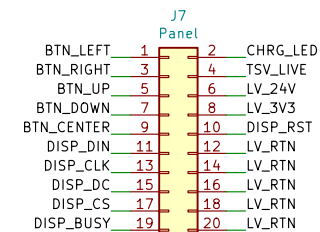
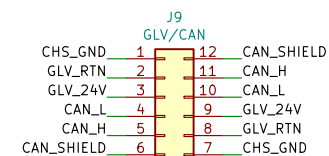
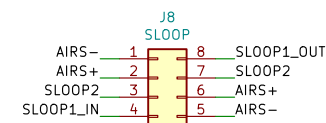
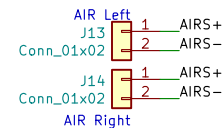
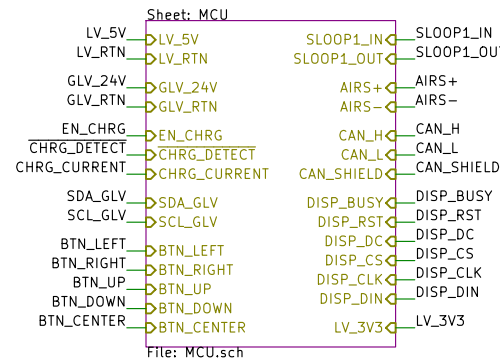
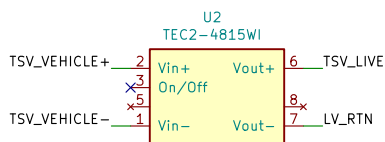
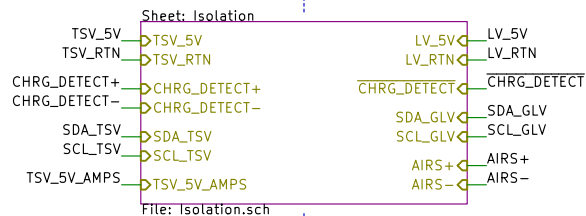
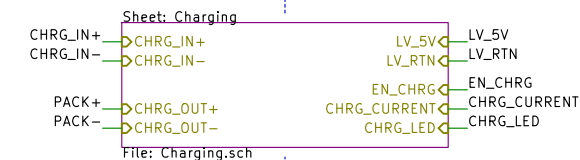
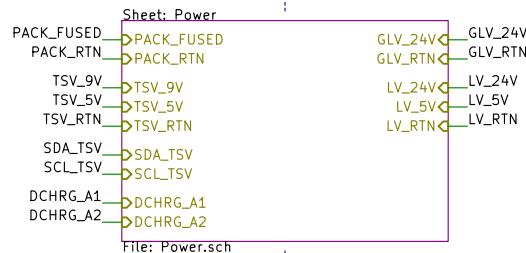
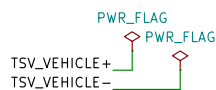
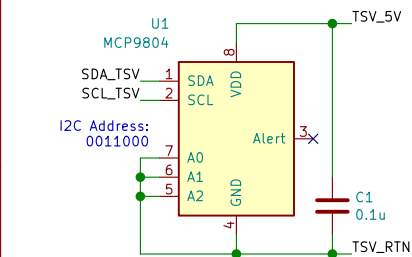
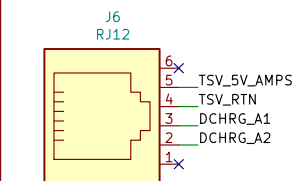
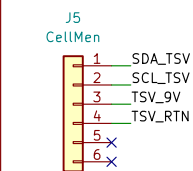
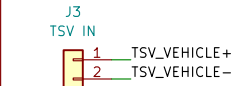
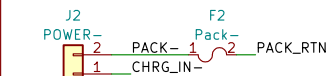
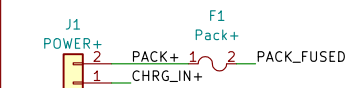
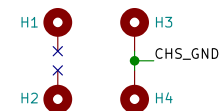


TSV

GLV



Manufacturer/Digikey P/N for receptacle:  
71600-020LF, 609-1741-ND



Jon Abel  
PacMan accumulator management board  
Lafayette College

Sheet: /  
File: PacMan.sch

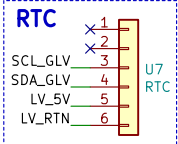
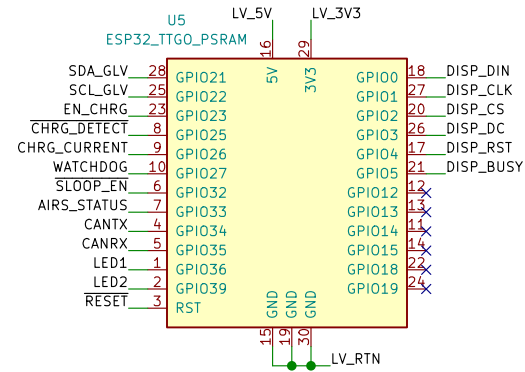
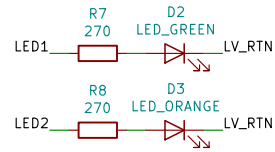
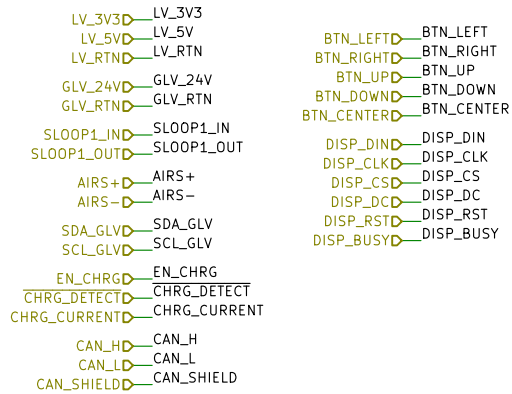
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Size: A Date:  
KiCad E.D.A. kicad (5.1.4)-1

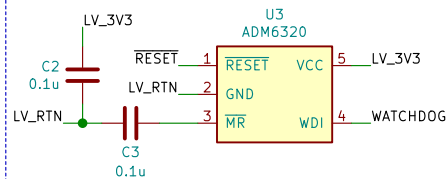
Rev: 0.3  
Id: 1/5

LOG01  
LAFAYETTE  
ELECTRICAL & COMPUTER  
ENGINEERING

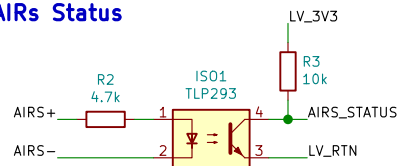




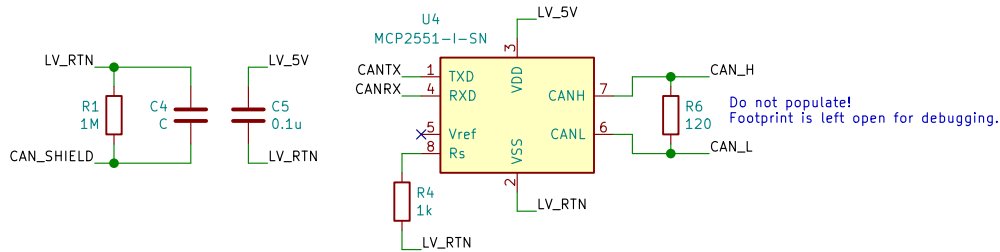
### Watchdog



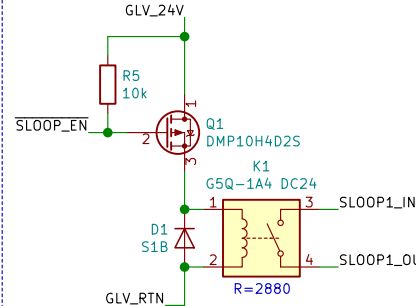
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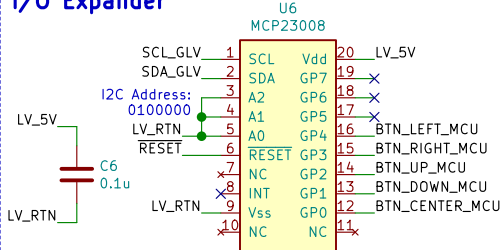
### CANBus Transceiver



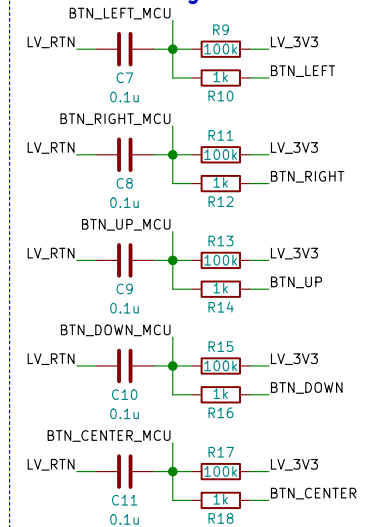
### Safety Loop Relay



### I/O Expander



### Button Filtering



Jon Abel  
 MCU, SLOOP, CANBus: Contains the controlling MCU, SLOOP relay, and CAN transceiver  
 Lafayette College

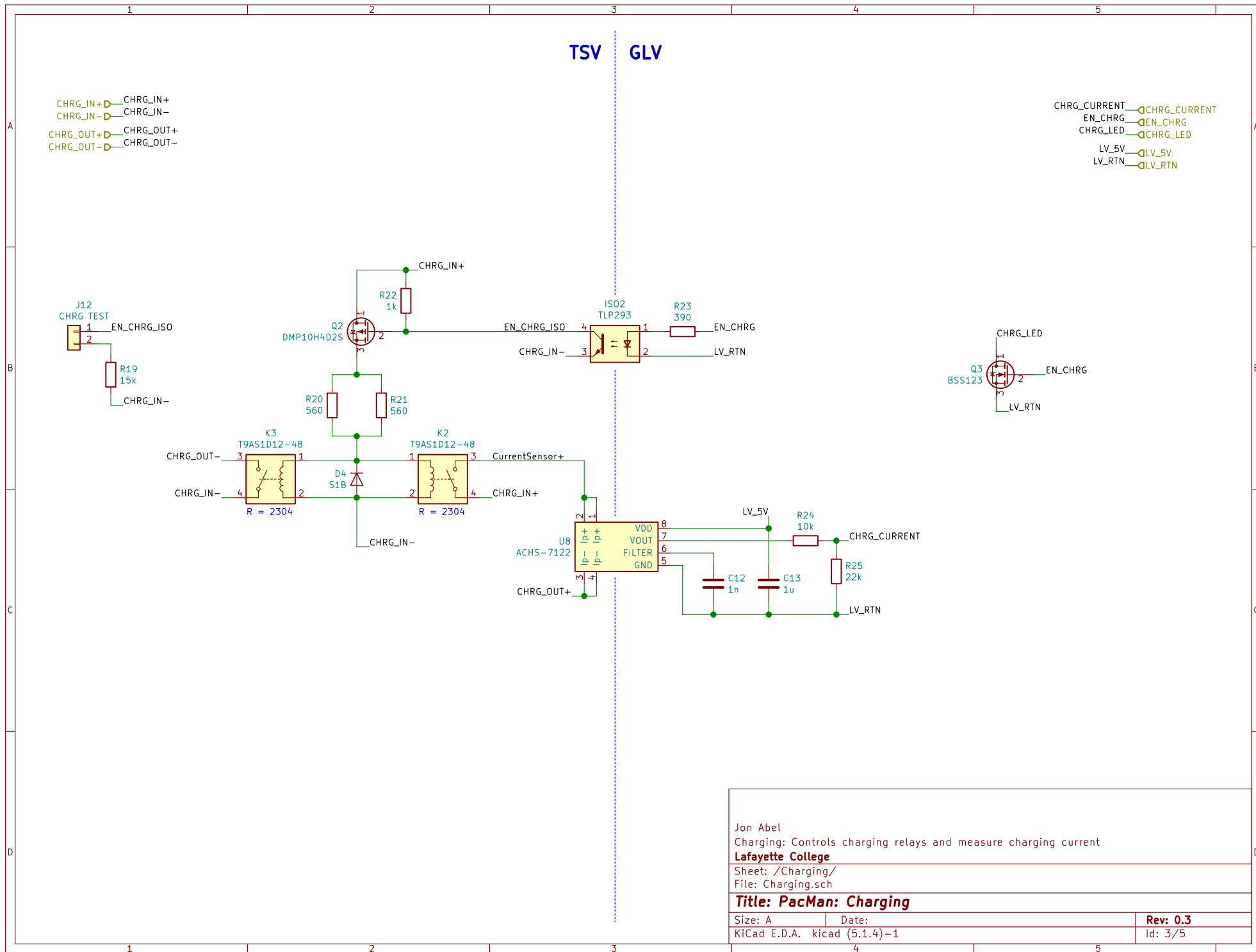
Sheet: /MCU/  
 File: MCU.sch

Title: PacMan: MCU, SLOOP, CANBus

Size: A  
 KiCad E.D.A. kicad (5.1.4)-1

Date:

Rev: 0.3  
 Id: 2/5



Jon Abel  
 Charging: Controls charging relays and measure charging current  
**Lafayette College**  
 Sheet: /Charging/  
 File: Charging.sch

### Title: PacMan: Charging

Size: A	Date:	Rev: 0.3
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PACK\_FUSED — PACK\_FUSED  
PACK\_RTND — PACK\_RTN  
TSV\_5VD — TSV\_5V  
TSV\_9VD — TSV\_9V  
TSV\_RTND — TSV\_RTN  
DCHRG\_A1D — DCHRG\_A1  
DCHRG\_A2D — DCHRG\_A2  
SDA\_TSV — SDA\_TSV  
SCL\_TSV — SCL\_TSV



Size: A	Date:	Rev: 0.3
KiCad E.D.A. kicad (5.1.4)–1		Id: 4/5

Rev: 0.3

