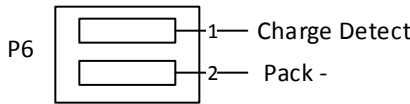
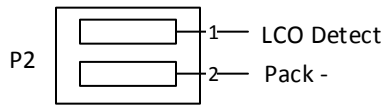


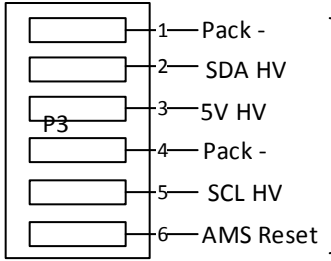
This is the power connector for the PacMAN board. It also facilitates charging of the pack.
Pack - : Negative pack voltage from last cell
Batt + : Positive pack voltage from first cell;
before pack voltage/charge sensor
Charge + : Positive voltage input during charging



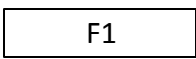
This signal connector indicates charging for the pack. When a charging cable is plugged into the Anderson port on the control panel of the Pack, charge detect is shorted to Pack -.



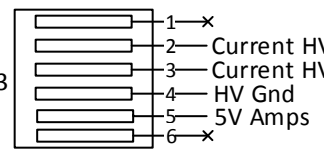
This signal connector indicates low current output for the pack. When a LCO cable is plugged into the Anderson port on the control panel of the pack, LCO detect is shorted to Pack -.



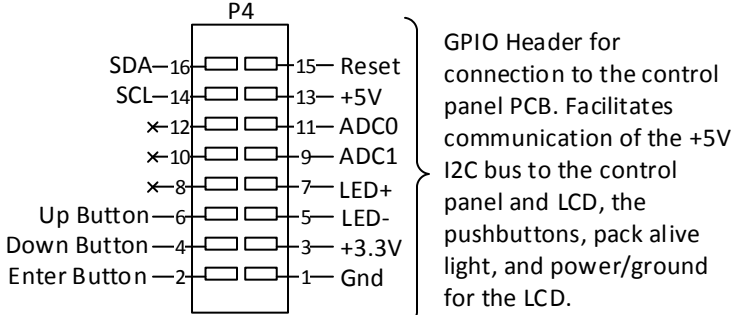
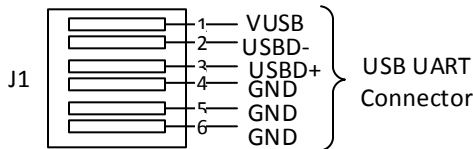
This connector facilitates the communication via I2C between the PacMAN and the AMS boards. The I2C is run at 5V, which is produced on the HV side of the PacMAN board.



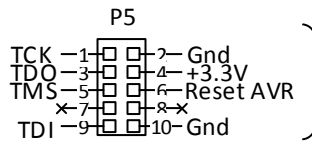
This is the fuse holder for the PacMAN board; utilizes a 5A automotive blade fuse.



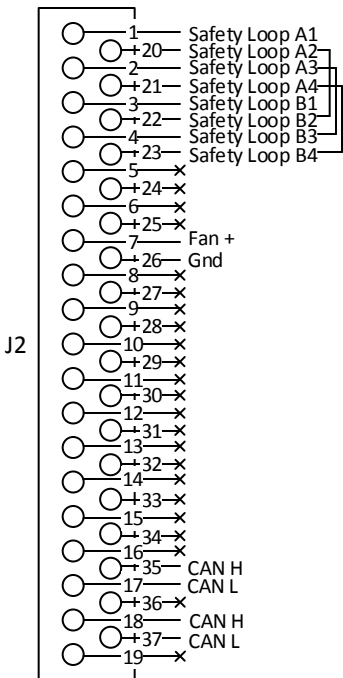
This connector allows the BBM-01 current sensor on the Pack + bus bar to connect to the PacMAN. This sensor is only used with high voltage current.



GPIO Header for connection to the control panel PCB. Facilitates communication of the +5V I2C bus to the control panel and LCD, the pushbuttons, pack alive light, and power/ground for the LCD.



JTAG Programming and Debug Header



This 37 pin connector on the back of the PacMAN board is used for safety loop wiring, the fan, and CAN. Only when the safety loop is closed are A1 and B1 shorted together.

HIGH VOLTAGE