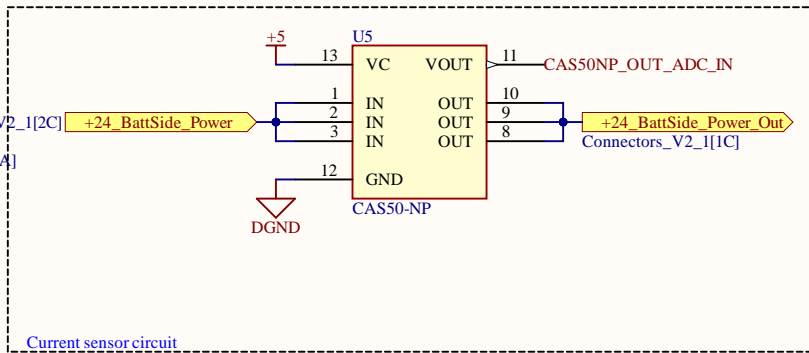
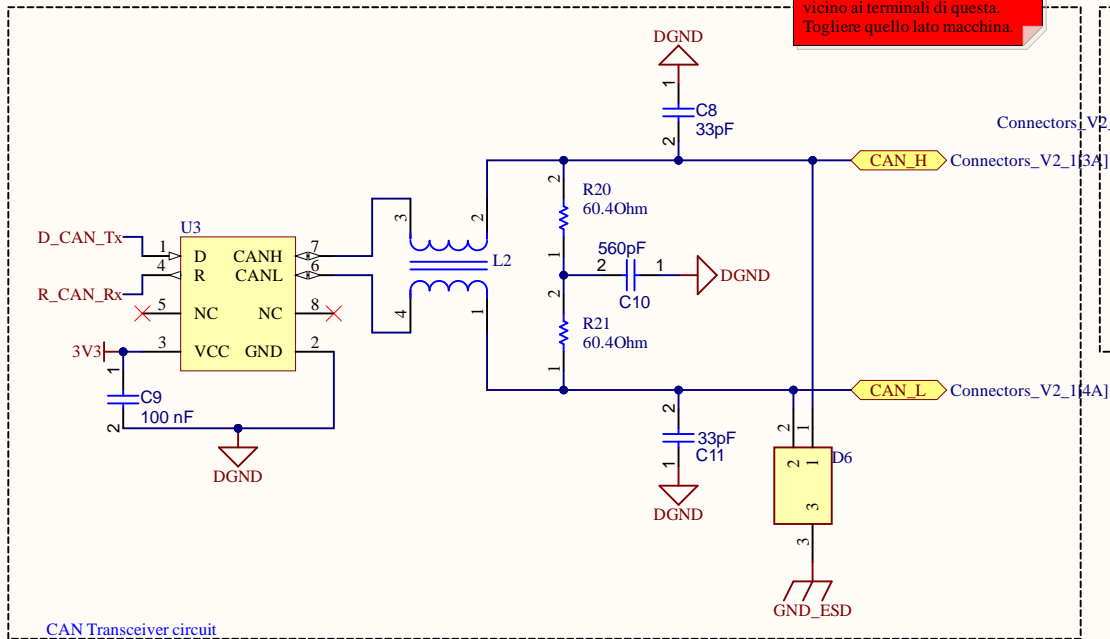


Connectors\_V2\_1[1B] < LV\_CMD\_GPIO\_OUT > LV\_CMD

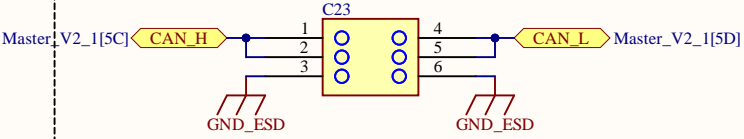
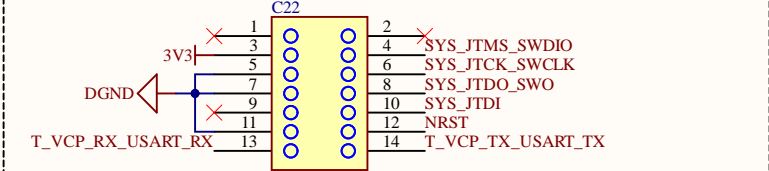
Mettere un fusibile lato batteria vicino ai terminali di questa. Togliere quello lato macchina.



Per la PCB:  
Il sensore di corrente è riferito a DGND ma la pista in uscita dovrà essere sopra una striscia di AGND.

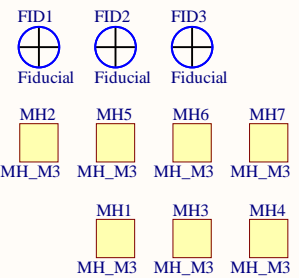
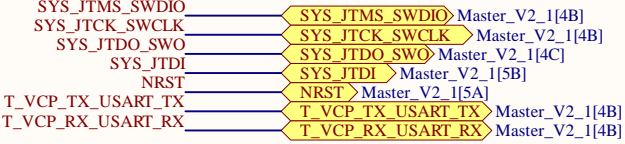
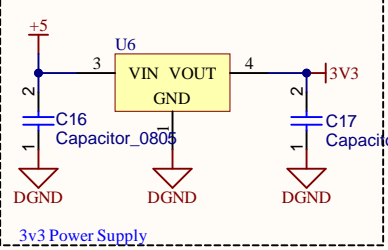
Title				BMS_LV			
Size	A3	Number		Revision	V2.1		
Date:	7/06/2024			Sheet of			
File:	Master_V2_1.SchDoc			Drawn By:			

Connectors

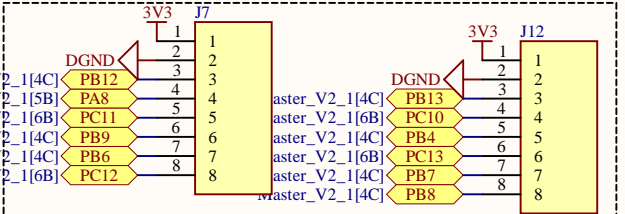


Per la PCB:  
-Sul lato sinistro della scheda vanno i connettori con i segnali di CAN (J9).  
-Sul lato destro i connettori con: i segnali di potenza, l'alimentazione e per il controllo del relay (J8, J10, J11 e J14).

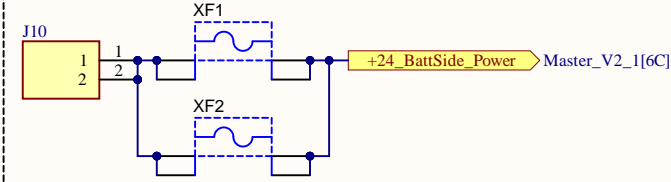
Motivazione: per avere un cablaggio migliore (filì più corti).



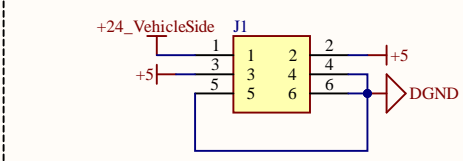
Signals connectors



Not connected pins connector

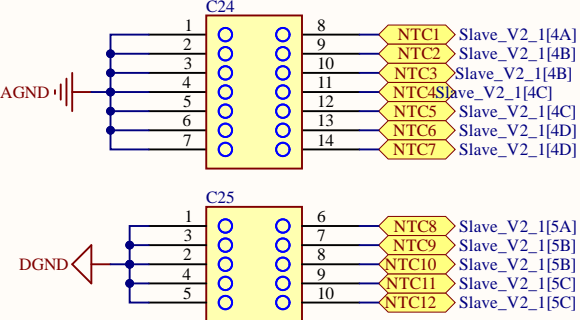


Power connectors

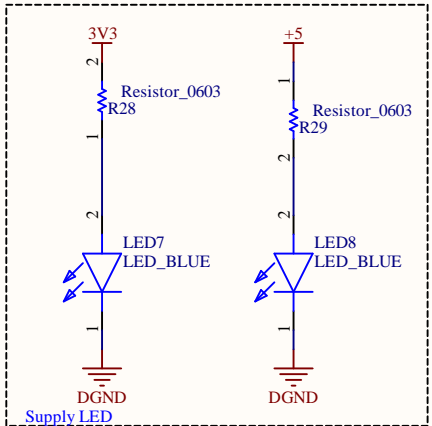
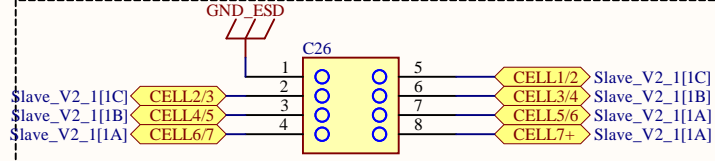


Supply connector circuit

NTC connectors



Cell measuring connectors



Title			
BMS_LV			
Size	Number	Revision	
A3		V2.1	
Date:	7/06/2024	Sheet of	
File:	Connectors_V2_1.SchDoc	Drawn By:	

	1	2	3	4	
A					A
B	<div><div><div><div><div></div><div>BMS LV V2 Modification (PCB):</div><div>1. LED Position modified. All GPIO Controlled LEDs are in order. LEDs Silkscreen modified and clarified</div><div>2. Increased silkscreen Text Height and Thickness</div><div>3. Removed PCB in front of 90° Signal connectors</div><div>4. Improved Thermal Design of Balancing Resistors and 9963e Thermal Pad</div></div></div></div></div>				B
C	<div><div><div><div><div></div><div>BMS LV V2 Modification (schematics):</div><div>1. Added 3V3 LED, 5V LED, Slave supply LED</div><div>2. JTAG Connector from 10 Pin to 14 Pin. Removed connector for USART</div><div>3. Added connector for Slave 9963e Supply (before from +24V Power Connector)</div><div>4. Added Fuse for Slave 9963e supply</div><div>5. Added +5V overvoltage Protection</div><div>6. EEPROM Hold Pin to 3V3, to make it work properly</div></div></div></div></div>	<div><div><div><div><div></div><div>Modification 11.2023</div><div>1. Removed capacitor C21, to allow the current sensor work.</div><div>2. Reviewed the Temperature Sense Circuit. No need to change the circuit for NTC.</div></div></div></div></div>			C
D	<div><div><div><div><div></div><div>BMS LV V3 Modification (PCB):</div><div></div></div></div></div></div>				D
				<div><div><div><div><div></div><div>Title</div><div>BMS_LV</div></div><div><div><div>Size</div><div>A4</div></div><div><div>Number</div><div></div></div><div><div>Revision</div><div>V2.1</div></div></div><div><div><div>Date:</div><div>7/06/2024</div></div><div><div>Sheet of</div><div></div></div></div><div><div><div>File:</div><div>Comments_V2_1.SchDoc</div></div><div><div>Drawn By:</div><div></div></div></div></div></div></div>	
	1	2	3	4	