

LEGENDS:

- Components highlighted with dotted yellow color are mounted on PCB. PCB separate schematic is available in next page
- Dotted blue box represents **Powertrain in Schematics**
- Connections placed on PCB
- Thin lines for high voltage
- Thin lines for 12V voltage

Signal Connector 1: For Inverter 20 pins Signal Connector P/N: 571-571558-4 based on Powertrain
586 P/N: 571-571558-4 1/2 Inverter signal connector pin
Signal Connector 2: 8 pin connector P/N: 571-08554-0554-1/586 / Flange P/N: 571-08554-2A
Note: the male part will be received from inside powertrain

Signal Connector 3: 42 pins connector used for VCU P/N: 571-08554-0554-1/586 / Flange P/N: 571-08554-2A
Note: the male part will be received from inside powertrain

Also: Connect OTC30 to the connector interface board with the provided 3-0 cabling harness

Signal Connector 4: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

DC/DC Converter connector 2 pin P/N: 571-2055124-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Inverter connector 2 pin P/N: 829-30254622 based on Powertrain for high voltage connection
Also: P/N: 829-30254622 to connect from other side

HV Battery connector - 2 pin P/N: 829-30254622 based on Powertrain
Also: P/N: 829-30254622 to connect from other side

3.2kW AC Charger connector 2 pin P/N: 571-2055124-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

12V Battery connector 2 pin P/N: 571-2055124-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Vacuum Pump connector 2 pin P/N: 571-2055124-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 5: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 6: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 7: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 8: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 9: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 10: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 11: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 12: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 13: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 14: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 15: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

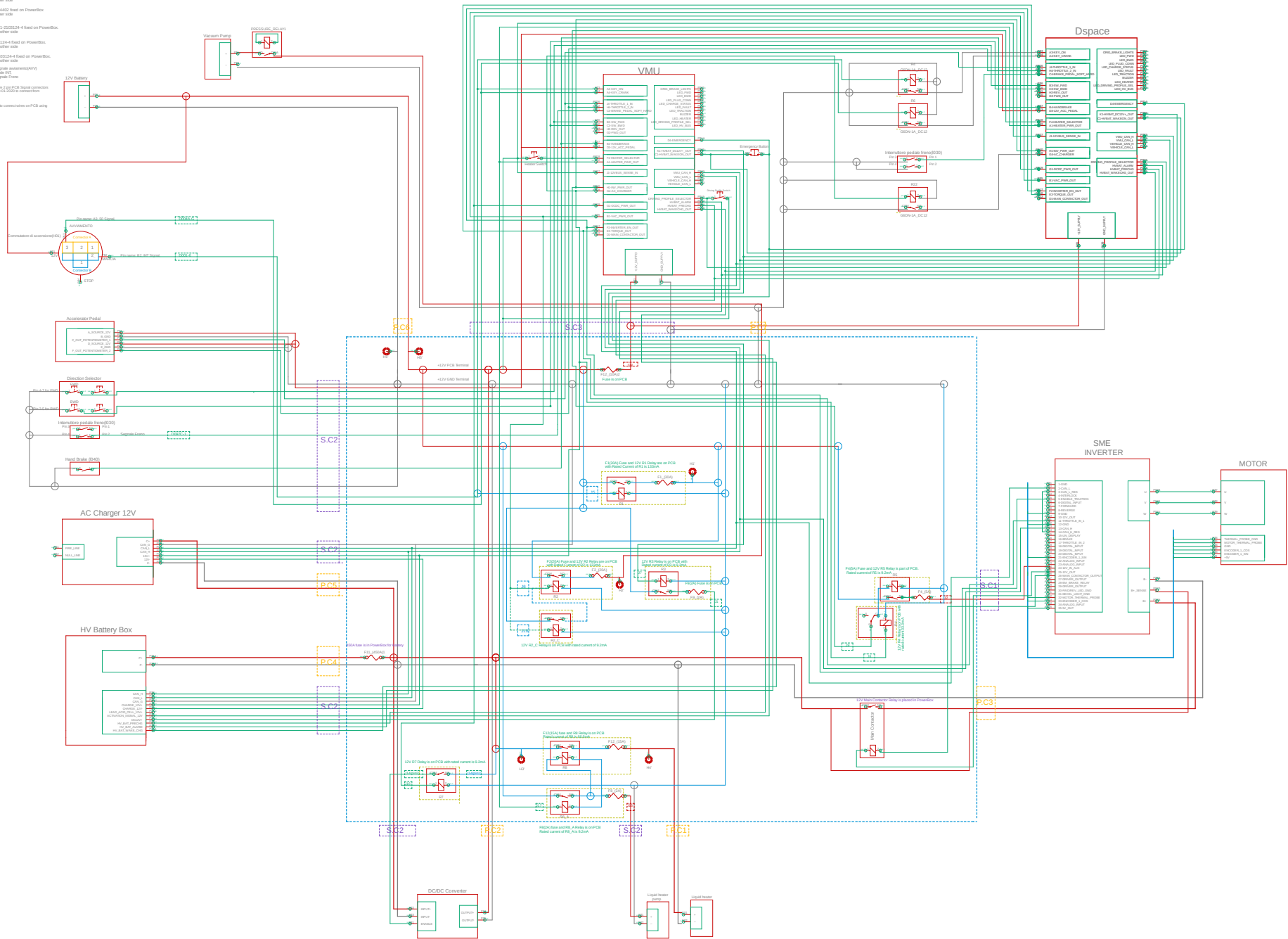
Signal Connector 16: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 17: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 18: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 19: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side

Signal Connector 20: 20 pins P/N: 571-571558-4 based on Powertrain
Also: P/N: 571-4-2055177-2 to connect from other side



----- Dotted lines show connections of Relays according to individual functionalities

 Connectors with Pin 0707-0242 fixed on PCB and Pin 20-01-0200 female signal connectors will connect on pins to connect different signals, with PCBs

With purple color, names of signals which will be connected to connectors are mentioned. These connectors with signal-naming is mentioned to connect are not used for row for Prototype

 On the PCB, Screw and nuts used to connect wires with the mounting holes

