Carberry Wiki

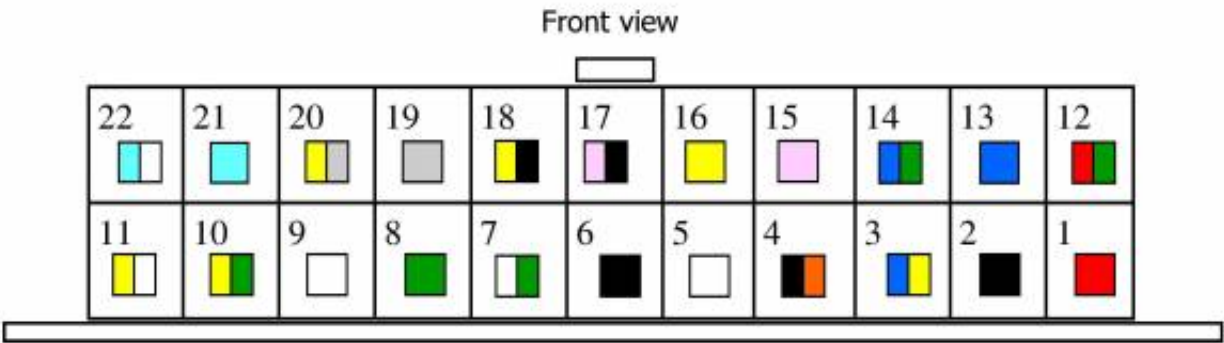# Main connector

Main connector provides power supply to Carberry and to Raspberry Pi.
Also are present all signals needed to interface to vehicle.

Board Connector Layout

Colors refer to standard Carberry harness, available here.

Pinout

Position	Wire color	Description
1	Red	+12V Power Supply
2	Black	Power Ground
3	Blu/Yellow	+12V Ignition Input
4	Black/Orange	+12V Ignition Output
5	White	General Purpose Input #1
6	Black	Signal Ground
7	White/Green	General Purpose Input #2
8	Green	CAN BUS High Channel #1
9	White	CAN BUS Low Channel #1
10	Yellow/Green	CAN BUS High Channel #2
11	Yellow/White	CAN BUS Low Channel #2
12	Red/Green	LIN BUS
13	Blu	General Purpose Output #1
14	Blu/Green	General Purpose Output #2
15	Pink	Resistive Input Channel #1
16	Yellow	Resistive Input Channel #2
17	Pink/Black	Resistive Output Channel #1
18	Yellow/Black	Resistive Output Channel #2
19	Gray	GMLAN BUS Channel #1
20	Yellow/Gray	GMLAN BUS Channel #2
21	Cyan	External UART Output (TXD)
22	Cyan/White	External UART Input (RXD)

Mating Connectors

To connect Carberry by yourself, you have to use theese mating connectors:

- Molex 43025-2200
- Wurth 662022113322