# Schematic view

Control Unit « CU »

Wiring unit « WU »

Power Unit « PU »

# Elements

## Control Unit

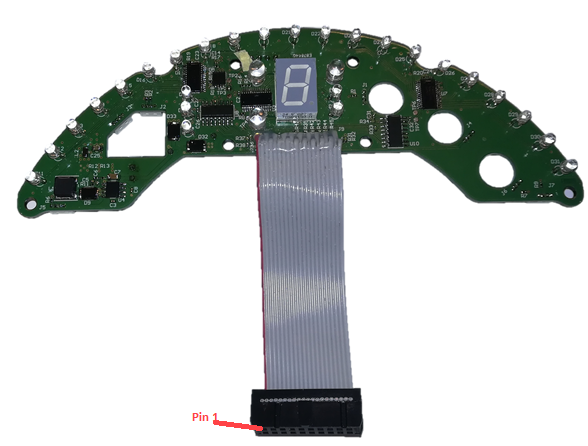


Figure : Control Unit "CU" with its 20-pin flat-cable

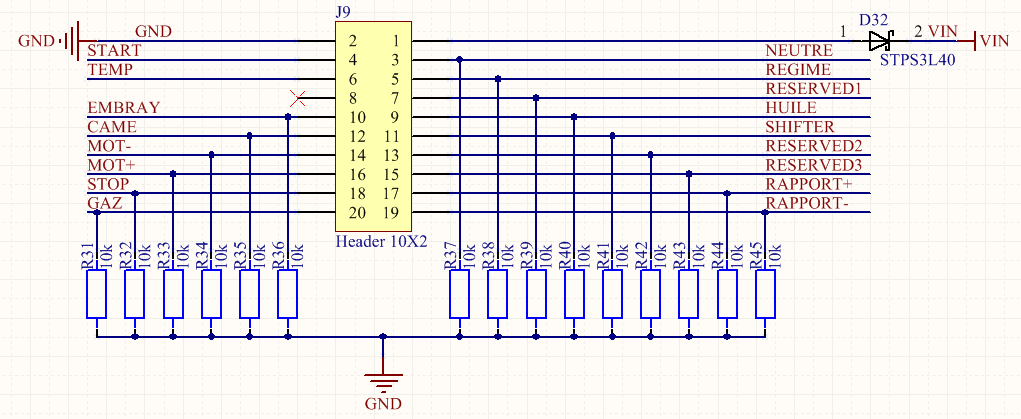


Figure : CU 20-pin header

## Wiring Unit

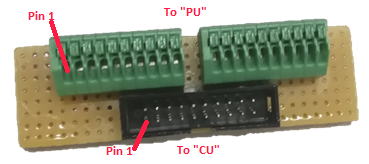


Figure : Wiring Unit "WU"

## Power Unit

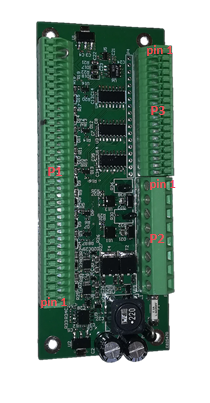


Figure : Power Unit "PU"

# Connectors reference

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CU | |  | PU | | | | | |
| Cable | |  | P1 | | P2 | | P3 | |
| "Interface" | |  | "Inputs" | | "Outputs" | | "Interface" | |
| Pin | Name |  | Pin | Name | Pin | Name | Pin | Name |
| 1 | VIN (12V) |  | 1 | P1 | 1 | STOP+ | 1 | GND (0V) |
| 2 | GND (0V) |  | 2 | GND (0V) | 2 | STOP- | 2 | VIN (12V) |
| 3 | NEUTRE |  | 3 | VIN (12V) | 3 | START+ | 3 | VNTC\_out |
| 4 | START |  | 4 | P2 | 4 | START- | 4 | Res\_out |
| 5 | REGIME |  | 5 | GND (0V) | 5 | MOT DC+ | 5 | Regime\_out |
| 6 | TEMP |  | 6 | VIN (12V) | 6 | MOT DC- | 6 | Huile\_out |
| 7 | RESERVED1 |  | 7 | Rapport+ | 7 | VIN (12V) | 7 | Embray\_out |
| 8 |  |  | 8 | GND (0V) | 8 | GND (0V) | 8 | Gaz\_out |
| 9 | HUILE |  | 9 | VIN (12V) |  |  | 9 | Neutre\_out |
| 10 | EMBRAY |  | 10 | Rapport- |  |  | 10 | Rapport-\_out |
| 11 | SHIFTER |  | 11 | GND (0V) |  |  | 11 | Rapport+\_out |
| 12 | CAME |  | 12 | VIN (12V) |  |  | 12 | P2\_out (Shifter) |
| 13 | RESERVED2 |  | 13 | Neutre |  |  | 13 | P1\_out(Came) |
| 14 | MOT- |  | 14 | GND (0V) |  |  | 14 | Mot+\_in |
| 15 | RESERVED3 |  | 15 | VIN (12V) |  |  | 15 | Mot-\_in |
| 16 | MOT+ |  | 16 | Gaz |  |  | 16 | Relay1\_in(Start) |
| 17 | RAPPORT+ |  | 17 | GND (0V) |  |  | 17 | Relay2\_in(Stop) |
| 18 | STOP |  | 18 | VIN (12V) |  |  | 18 |  |
| 19 | RAPPORT- |  | 19 | Embray |  |  |  |  |
| 20 | GAZ |  | 20 | GND (0V) |  |  |  |  |
|  |  |  | 21 | VIN (12V) |  |  |  |  |
|  |  |  | 22 | Huile |  |  |  |  |
|  |  |  | 23 | GND (0V) |  |  |  |  |
|  |  |  | 24 | VIN (12V) |  |  |  |  |
|  |  |  | 25 | Régime |  |  |  |  |
|  |  |  | 26 | GND (0V) |  |  |  |  |
|  |  |  | 27 | VIN (12V) |  |  |  |  |
|  |  |  | 28 | Res\_in |  |  |  |  |
|  |  |  | 29 | GND (0V) |  |  |  |  |
|  |  |  | 30 | VIN (12V) |  |  |  |  |
|  |  |  | 31 | NTC |  |  |  |  |
|  |  |  | 32 | GND (0V) |  |  |  |  |
|  |  |  | 33 | VIN (12V) |  |  |  |  |
|  |  |  | 34 | 10V |  |  |  |  |
|  |  |  | 35 | VIF |  |  |  |  |
|  |  |  | 36 | 3.3V |  |  |  |  |