**Connector’s specs**

**A picture containing text, electronics, circuit

Description automatically generatedInter Connector’s description**

**1 2**

**1 2**

**1 8**

**1 8**

**1 2**

**1 2**

**1 12**

DC INPUT –

Motor Driver –

1. MP2.5
2. MP2.4
3. 5V
4. GND

LEDs-

Spare Bus 12pin –

1. MP15.4
2. MP 15.5
3. MP 0.0
4. MP 0.1
5. MP 0.2
6. MP 0.3
7. MP 0.4
8. MP 0.5
9. MP 0.6
10. MP 0.7
11. 5V
12. GND
13. 5V
14. Null
15. GND
16. MP1.6
17. MP1.5
18. GND
19. 5V
20. Null

Sensors –

1. R1 - 2
2. 5V
3. MP2.2
4. GND
5. GND
6. MP2.0
7. 5V
8. R2 - 2

**A picture containing text, electronics, circuit

Description automatically generatedOuter Connector’s description**

**1 2**

**1 2**

**1 8**

**1 8**

**1 12**

DC INPUT –

1. 5V
2. GND

A picture containing text, electronics, circuit

Description automatically generatedLEDs-

1. 5V
2. Null

**1**

**8**

1. GND
2. MP1.6
3. MP1.5
4. GND
5. 5V
6. Null

Sensors –

* DB9 - 1 - Board - 8
* A close-up of a cell phone

  Description automatically generated with medium confidence5V

**1 2 3 4 5  
  
 6 7 8 9**

* MP2.2
* GND
* GND
* A picture containing text, electronics, circuit

  Description automatically generatedMP2.0
* 5V
* DB9 - 1

Motor Driver –

1. MP2.5

**1 8**

1. MP2.4

Spare Bus 12pin –

1. TODO
2. TODO
3. TODO
4. TODO
5. TODO
6. TODO
7. TODO
8. TODO
9. TODO
10. TODO
11. 5V
12. GND