# Dummy Load

## Connector

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pin** | **Function** | **NodeMCU** | **ESP-12E** | **Logic Analyzer** |
| 1 | GND | GND |  | GND |
| 2 | GND |  |  |  |
| 3 | VCC |  |  |  |
| 4 | SDA2 | D7 | 13 | 11 |
| 5 | SDA1 | D7 | 13 | 11 |
| 6 | SCL | D6 | 12 | 6 |
| 7 | Run Button | D1 | 5 | 7 |
| 8 | Rotary Push | D2 | 4 | 8 |
| 9 | Rotary1 | D3 | 0 | 9 |
| 10 | Rotary2 | D0 | 16 | 10 |
|  | RST | D5 | 14 | 12 |
|  | DisplaySwitch | D8 | 15 | 13 |

## Digits

|  |  |  |  |
| --- | --- | --- | --- |
| **I2C** | **Digit** | **Address** | **Segment** |
| LOW | 0 | 68H | 4 |
| LOW | 1 | 6AH | 5 |
| LOW | 2 | 6CH | 6 |
| LOW | 3 | 6EH | 3 |
| HIGH | 4 | 68H | 0 |
| HIGH | 5 | 6AH | 1 |
| HIGH | 6 | 6CH | 2 |
| HIGH | 7 | 6EH | Diodes |

## Data

|  |  |  |
| --- | --- | --- |
| **Digits** | **w/o point** | **with point** |
| 0 | 3F | BF |
| 1 | 06 | 86 |
| 2 | 5B | DB |
| 3 | 4F | CF |
| 4 | 66 | E6 |
| 5 | 6D | ED |
| 6 | 7D | FD |
| 7 | 07 | 87 |
| 8 | 7F | FF |
| 9 | 6F | EF |
| - | 40 |  |
| b | 7C |  |
| E | 79 |  |
| F | 71 |  |
| n | 54 |  |
| o | 5C |  |
| u | 1C |  |

## LEDs

|  |  |
| --- | --- |
| **Hex** | **LEDs** |
| 01 | Volt |
| 02 | Ah |
| 04 | Wh |
| 08 | Ampere |
| 10 | Run |
| 20 | High |
| 40 | Low |
| 80 |  |

## Error Codes

|  |  |
| --- | --- |
| **Error Code** | **Description** |
| Err1 | ultra-high capacity test battery voltage |
| Err2 | battery voltage is below the set voltage termination is not connected to the battery or the battery is reversed |
| Err3 | line resistance is too large or the battery cannot afford to leave the discharge current |
| Err4 | circuit fault |
| Err6 | working power is inappropriate, use a standard 12 V power supply, and the current bid is not less than 0.5A. |
| Otp | overheating protection |
| Ert | failure of the temperature sensor or the temperature is too low |
| OUP | ultra-high voltage electron-charge mode |
| oPP | under the guise of ultra-high power electronic loads instantly |