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| **NodeMcu ESP8266 CP2102 WIFI Development Board** | |  |  | | --- | --- | | Microcontroller | ESP-8266 32-bit | | NodeMcu Model | Amica | | NodeMCU Size | 49mm x 26mm | | Pin Spacing | 0.9" (22.86mm) | | Clock Speed | 80 MHz | | USB to Serial | CP2102 | | USB Connector | Micro USB | | Input Voltage | 4.5V-10V | | Analog In Pins | 1 | | Digital I/O Pins | 11 | | UART/SPI/I2C | 1/1/1 | | ADC Range | 0-3.3V | | Flash Memory/SRAM | 4 MB / 64 KB | | WiFi Built-In | 802.11 b/g/n | | Temperature Range | -40C - 125C | |
| **NTC Thermistor Temperature Sensor Module** | |  |  | | --- | --- | | Resistance at 25 °C | 10K + - 1% | | B-value (material constant) | 3950+- 1% | | Dissipation factor | approx.7.5mW/K(air) | | Thermal cooling time constant | <=20 seconds(air) | | Thermistor temperature range | -55 to 125°C | |

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| **LM393 Photosensitive LDR Sensor Module** | |  |  | | --- | --- | | Operating Voltage | 3.3V to 5V DC | | Operating Current | 15mA | | Output Digital | 0V to 5V | | Output Analog | 0V to 5V | |

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| **MQ-2 Smoke/LPG/CO Gas Sensor Module** | |  |  | | --- | --- | | Operating Voltage | 5V | | Analog output voltage | 0V to 5V | | Digital Output Voltage | 0V or 5V (TTL Logic) | | Dimension (mm) | 32 (L) x 22 (W) x 27 (H) | | Weight | 10 g | | Detects or measure Gases | LPG, Alcohol, Propane, Hydrogen, CO,methane | |