# Parts Export

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Total Parts: 6

| Image | Part Number | Name | Category | Manufacturer | Description | Specification | Tags |
|---|---|---|---|---|---|---|---|
|  | **EMC-00001-A** | RF Module Kit | EM - Electronic-Electrical Modules | HopeRF, Wireless Tag | The RF 433/315 MHz Transmitter and Receiver Module Kit is a wireless communication system used to send and receive data using radio frequency signals. It operates at 433 MHz or 315 MHz and is commonly used in remote controls, home automation, wireless sensors, and Arduino projects. | Product Type: RF Wireless Communication Module Frequency: 433 MHz / 315 MHz Operating Voltage: 3V – 5V DC Data Rate: Up to ~10 kbps (typical) Range: 20m – 100m (depends on antenna & environment) | RF 433MHz Module • 315MHz RF Module • Wireless Transmitter Receiver Kit • RF Communication Module • Arduino RF Module • ASK RF Module • Wireless Remote Module • 433MHz RF Pair Kit |
| No Image | **EMC-00003-A** | NodeMcu | EM - Electronic-Electrical Modules | Espressif Systems, Ai-Thinker, NodeMCU | The ESP8266 NodeMCU CH340 board is a WiFi-enabled microcontroller based on the ESP8266 chip for IoT applications. It offers onboard processing, GPIO support, and built-in wireless connectivity. It is widely used in IoT projects, smart devices, automation systems, and wireless sensor applications. | Processor: L106 32 bit Processor speed: 80MHz to 160MHz Flash memory: 4MB Analog to digital: 1 input with 1024 resolution Maximum concurrent TCP connection: 5 GPIOs: 17 Transfer rate: 110 Kbps to 460800 Kbps Input voltage supply: 4.5V to 9V Communication interface voltage: 3.3V Current consumption: 10uA-170mA | NodeMCU • ESP8266 • WiFi Module • IoT Development Board • ESP8266EX • Wireless Module |
|  | **EMC-00004-A** | Bluetooth Module | EM - Electronic-Electrical Modules | HC Series / Generic Compatible, Waveshare, KEYESTUDIO, SunFounder | The HC-05 Bluetooth Module is a 6-pin wireless communication device used for UART-based data transfer between microcontrollers and Bluetooth-enabled devices. Operating in the 2.4GHz ISM band with GFSK modulation, it supports both Master and Slave modes. Featuring AT command configuration and an onboard push button for AT mode access, it is ideal for wireless control, automation, and IoT projects. | Operating Voltage: 3.6V – 6V DC Input Current: 50 mA Operating Frequency: 2.4 GHz ISM Band Modulation Type: GFSK (Gaussian Frequency Shift Keying) Emission Power: 4 dBm (Class 2) Receiver Sensitivity: -84 dBm at 0.1% BER Maximum Range: 10 meters (typical) Interface Pins: EN/KEY, VCC, GND, TXD, RXD, STATE AT Command Support: Yes Onboard Button: Yes (AT Mode Selection) Length (mm): 43 Width (mm): 16.5 Height (mm): 7 Weight (g): 5 Shipping Weight: 0.01 kg Shipping Dimensions (cm): 5 × 3 × 1 | HC-05 • Bluetooth Module • UART Bluetooth • 6-Pin Bluetooth • Master Slave Module • Arduino Bluetooth |
|  | **EMC-00005-B** | RFID Key Fob | EM - Electronic-Electrical Modules | NXP Semiconductors, ACS (Advanced Card Systems) | An RFID Card is a contactless smart card used for wireless identification using radio frequency communication. It typically works at 13.56 MHz with RC522 readers and stores a unique ID for authentication. It is commonly used in access control, attendance systems, security, and Arduino projects. | Product Type: RFID Key Fob Frequency: 13.56 MHz Standard: ISO/IEC 14443A Memory: 1KB / 4KB (varies by chip) | 13.56MHz RFID Tag • RFID Key Fob • MIFARE Key Fob • NFC Key Tag • Access Control Key Fob • Arduino RFID Tag • Smart Key Fob • Contactless RFID Token |
|  | **EMC-00005-C** | RFID Smart Card | EM - Electronic-Electrical Modules | NXP Semiconductors, HID Global | An RFID Card is a contactless smart card used for wireless identification using radio frequency communication. It typically works at 13.56 MHz with RC522 readers and stores a unique ID for authentication. It is commonly used in access control, attendance systems, security, and Arduino projects. | Product Type: RFID Smart Card Frequency: 13.56 MHz Standard: ISO/IEC 14443A Memory: 1KB / 4KB (varies) | RFID Card • 13.56MHz RFID Tag • MFRC522 Card • Smart Card RFID • Access Control Card • Contactless ID Card • Arduino RFID Card • NFC RFID Tag |
|  | **EMK-00001-A** | RFID Starter Kit | EM - Electronic-Electrical Modules | NXP Semiconductors, Keyestudio, SparkFun, HiLetgo | The RFID Kit is a wireless identification system used to read and write data from RFID cards and tags. It usually includes an RC522 module (13.56 MHz) with SPI communication, along with cards and key fobs. It is commonly used in access control, attendance systems, security, and Arduino projects. | Product Type: RFID Reader Kit Operating Frequency: 13.56 MHz Operating Voltage: 3.3V Read Range: ~2–5 cm | RFID Kit • RFID Reader Module • RC522 RFID Kit • RFID Card Reader • Arduino RFID Module • NFC Reader Module • RFID Tag System • Access Control Kit |