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| **Image** | **Type** | **Name** | **Selled at** | **Specs / Reviews** |
|  | Current regulator | Voltage Regulator XL4015 Step Down Switching DC-DC Converter 36V/5A Arduino | <https://www.ebay.com/itm/Voltage-Regulator-XL4015-Step-Down-Switching-DC-DC-Converter-36V-5A-Arduino/132837996745?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> | Specifications:  Chip: XL4015  Input voltage range: 4-38V DC (Note: input voltage not exceeding 38V)  Output voltage range: 1.25-36V DC (adjustable)  Output current: 0-5A, recommended for use in 4.5A.  Output power: 75W  Working temperature: -40~+85℃  Operating frequency: 180KHz  Efficiency: 96% (max)  Short circuit protection: yes(limit current 8A).  Over temperature protection  Input reverse polarity protection: None (if required, high current diode in series with the input).  Size: 54x24mm/2.13x0.94"  <https://www.youtube.com/watch?v=8cRmGNmqRYc> |
|  | Current regulator | 5A DC- DC Constant Current Voltage Regulator Step Down Converter 5V 12V 24V | <https://www.ebay.com/itm/5A-DC-DC-Constant-Current-Voltage-Regulator-Step-Down-Converter-5V-12V-24V/192555939561?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> | Input Voltage Range: 5~32VDC  Input reverse polarity protection: None  Output Voltage Range: 0.8-30VDC adjustable Output Current: 0-5A adjustable  High Efficiency: up to 95% |
| A circuit board  Description automatically generated | Current regulator | 3A Mini DC-DC step down converter volt regulator 5V-23V to 3.3V 6V 9V 12V M.US | <https://www.ebay.com/itm/3A-Mini-DC-DC-step-down-converter-volt-regulator-5V-23V-to-3-3V-6V-9V-12V-M-US/362959165220?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> | Module nature: non-isolated buck  Rectification mode: synchronous rectification  Input voltage: 4.75V-23V  Output voltage: 1.0V-17V  Output current: peak 3A, long time 1.8A  Conversion efficiency: 96% (highest)  Switching frequency: 340KHz  Output ripple: 30mV (when no load)  Load adjustment rate: +-0.5%  Voltage regulation rate: +-2.5%  Working temperature: -40°C-+85°C |
|  | Current regulator | 1.2A DC-DC Buck Step-down Converter Volt Regulator 4.5V-24V to 3V 3.3V 5V 9V 12V | <https://www.ebay.com/itm/113706883072> | Chip: MPS MP2359  Input voltage: 4.5V-24V  Output voltage: 3V-15V (default 5V)  Buck efficiency: up to 92%  Output current: 1.2A max  Low standby current: <0.1uA  Overcurrent protection, over temperature protection  Procurement of advanced high current inductors, small Schottky fast diodes.  DS = low is on standby; empty / VIN is enabled; connectable switch control.  VIN: input Positive; GND common ground, VO: output positive, DS cannot connect.  Size: 13\*11\*3.8mm |
|  | Power Supply | AC-DC Power Supply Module Buck Converter Step Down Module Replace/Repair ATF | <https://www.ebay.com/itm/AC-DC-Power-Supply-Module-Buck-Converter-Step-Down-Module-Replace-Repair-ATF/192628636860?ssPageName=STRK%3AMEBIDX%3AIT&var=492768621735&_trksid=p2057872.m2749.l2649> | 5V / 0.7A |
|  | Power Supply | AC-DC 5V 700mA 3.5W Power Supply Buck Converter Step Down Module for Arduino | <https://www.ebay.com/itm/1pc-AC-DC-5V-700mA-3-5W-Power-Supply-Buck-Converter-Step-Down-Module-for-Arduino/183413473551?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> | 5V / 0.7A |
|  | Power Supply | AC-DC Power Supply Module Buck Converter Step Down Module Replace/Repair ATF | <https://www.ebay.com/itm/AC-DC-Power-Supply-Module-Buck-Converter-Step-Down-Module-Replace-Repair-ATF/192628636860?ssPageName=STRK%3AMEBIDX%3AIT&var=492768621736&_trksid=p2057872.m2749.l2648> | 5V / 2.5A |
|  | Power Supply | AC-DC 12V 5V 24V 9V Power Supply Buck Converter Step Down Module for Arduino | <https://www.ebay.com/itm/AC-DC-12V-5V-24V-9V-Power-Supply-Buck-Converter-Step-Down-Module-for-Arduino/253176674644?ssPageName=STRK%3AMEBIDX%3AIT&var=552271234263&_trksid=p2057872.m2749.l2649> | 5V / 1.5A |
|  | Power Supply | AC-DC 12V 1.5A 5V 2A Switching Power Supply Module Bare Circuit 100-265V to 12V 5V Board TL431 regulator for Replace/Repair | <https://www.aliexpress.com/item/4000992241059.html?spm=a2g0s.9042311.0.0.46594c4d2A3fRM> | 12V / 1.5A |
|  | Micro controller | D1 Mini NodeMcu 4M bytes Lua WIFI Development Board ESP8266 by WeMos TEUS | <https://www.ebay.com/itm/D1-Mini-NodeMcu-4M-bytes-Lua-WIFI-Development-Board-ESP8266-by-WeMos-TEUS/312715205793?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> |  |
|  | Micro controller | NodeMcu Lua WIFI Internet Things development board based ESP8266 CP2102 module | <https://www.ebay.com/itm/NodeMcu-Lua-WIFI-Internet-Things-development-board-based-ESP8266-CP2102-module/311721893268?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> |  |
|  | Micro controller | ESP8266 Serial WIFI Wireless Transceiver Module Send Receive AP+STA ESP-01 US | <https://www.ebay.com/itm/ESP8266-Serial-WIFI-Wireless-Transceiver-Module-Send-Receive-AP-STA-ESP-01-US/152149532770?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> |  |
|  | Sensor - Microphone | GY-MAX4466 electret microphone amplifier MAX4466 adjustable amplifier module | <https://www.ebay.com/itm/1pc-GY-MAX4466-electret-microphone-amplifier-MAX4466-adjustable-amplifier-module/183696382813?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> |  |
|  | Cooling Fan | 4cm Mini DC Brushless Chassis Graphics Card CPU Cooling Fan 40mmx40mmx10mm | <https://www.ebay.com/itm/2Pcs-4cm-Mini-DC-Brushless-Chassis-Graphics-Card-CPU-Cooling-Fan-40mmx40mmx10mm/193290749390?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> | Voltage: 12dvc Bearing Type: Sleeve      Connector: 2pin(2.0) Applicable for: CPU Fan, SB/NB Fan Dimension: Approx.40\*40\*10mm/1.57"\*1.57"\*0.39" |
|  | RTC | DS3231 ZS042 AT24C32 IIC Module Precision RTC Real time Clock Memory | <https://www.ebay.com/itm/Arduino-DS3231-ZS042-AT24C32-IIC-Module-Precision-RTC-Real-time-Clock-Memory/382715203141?ssPageName=STRK%3AMEBIDX%3AIT&_trksid=p2057872.m2749.l2649> |  |
|  | Sensor - Motion | HC-SR501 Infrared PIR Motion Sensor Module for Arduino Raspberry pi | <https://www.ebay.com/itm/HC-SR501-Infrared-PIR-Motion-Sensor-Module-for-Arduino-Raspberry-pi/401598066562?ssPageName=STRK%3AMEBIDX%3AIT&var=671340309473&_trksid=p2057872.m2749.l2649> |  |
|  | Sound amplifier | TDA2030A Audio Amplifier Module Power Amplifier Board AMP 6～12V 1\*18W | <https://www.ebay.com/itm/TDA2030A-Audio-Amplifier-Module-Power-Amplifier-Board-AMP-6-12V-1-18W/322634016547?hash=item4b1e7c6723:g:CqcAAOSwi1BZeyan> |  |
|  | Digital multiplexer | 74HC595 shift register | <https://www.instructables.com/id/Add-More-Digital-Inputs-and-Outputs-to-Your-Arduin/>  <https://www.alldatasheet.com/datasheet-pdf/pdf/12198/ONSEMI/74HC595.html>  <https://www.arduino.cc/en/tutorial/ShiftOut> |  |
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