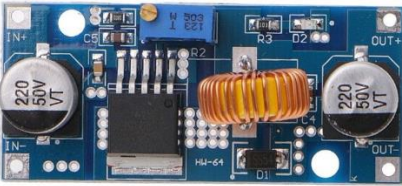
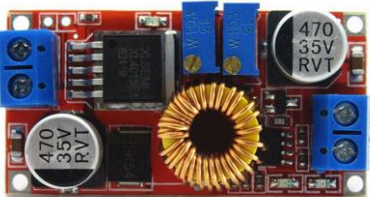
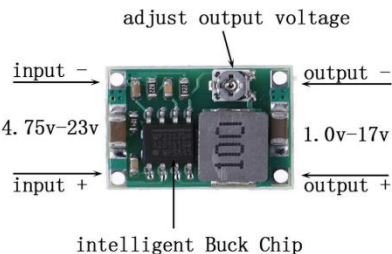
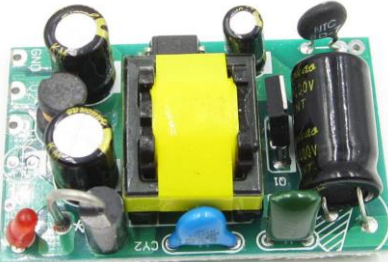



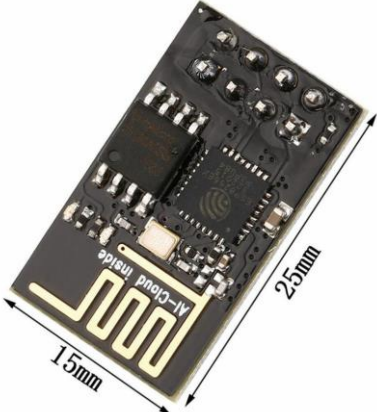






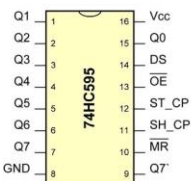



Image	Type	Name	Selled at	Specs / Reviews
	Current regulator	Voltage Regulator XL4015 Step Down Switching DC-DC Converter 36V/5A Arduino	https://www.ebay.com/itm/Voltage-Regulator-XL4015-Step-Down-Switching-DC-DC-Converter-36V-5A-Arduino/132837996745?ssPageName=STRK%3AMEBIDX%3AIT&trksid=p2057872.m2749.l2649	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°C 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
size:51.2*26.2mm 	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%
Mini DC Step Down Regulator 	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	

 <p>A black PCB module with a gold-colored antenna. Dimensions are marked as 15mm wide and 25mm long. Text on the board includes 'Mi-Cloud Inside'.</p>	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	
 <p>A purple PCB module with a silver electret microphone. Labels include 'VCC: 2-5.5V', 'Adjustable gain', and 'OUT GND VCC'. A 3-pin header is visible.</p>	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	
 <p>Three black square fans of different sizes (40mm, 60mm, and 80mm) with red and black cables.</p>	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"
 <p>A blue PCB module with a silver crystal oscillator and a black component. Labels include 'DS3231', 'ZS042', 'AT24C32', 'IIC', 'RTC', 'Real time Clock', and 'Memory'.</p>	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-Arduino/ https://www.alldatasheet.com/datasheet-pdf/pdf/12198/ONSEMI/74HC595.html https://www.arduino.cc/en/tutorial/ShiftOutput	<div><table><caption>74HC595 8-Bit Shift Register Pinouts</caption><thead><tr><th>Pin</th><th>Symbol</th><th>Description</th></tr></thead><tbody><tr><td>1</td><td>Q1</td><td>Parallel data output (bit-1)</td></tr><tr><td>2</td><td>Q2</td><td>Parallel data output (bit-2)</td></tr><tr><td>3</td><td>Q3</td><td>Parallel data output (bit-3)</td></tr><tr><td>4</td><td>Q4</td><td>Parallel data output (bit-4)</td></tr><tr><td>5</td><td>Q5</td><td>Parallel data output (bit-5)</td></tr><tr><td>6</td><td>Q6</td><td>Parallel data output (bit-6)</td></tr><tr><td>7</td><td>Q7</td><td>Parallel data output (bit-7)</td></tr><tr><td>8</td><td>GND</td><td>Ground (0 V)</td></tr><tr><td>9</td><td>Q7'</td><td>Serial Data Output</td></tr><tr><td>10</td><td>MR</td><td>Master Reset (Active Low)</td></tr><tr><td>11</td><td>SH_CP</td><td>Shift Register Clock Input</td></tr><tr><td>12</td><td>ST_CP</td><td>Storage Register Clock Input</td></tr><tr><td>13</td><td>OE</td><td>Output Enable (Active Low)</td></tr><tr><td>14</td><td>DS</td><td>Serial Data Input</td></tr><tr><td>15</td><td>Q0</td><td>Parallel data output (bit-8)</td></tr><tr><td>16</td><td>Vcc</td><td>Positive Supply Voltage</td></tr></tbody></table></div>	Pin	Symbol	Description	1	Q1	Parallel data output (bit-1)	2	Q2	Parallel data output (bit-2)	3	Q3	Parallel data output (bit-3)	4	Q4	Parallel data output (bit-4)	5	Q5	Parallel data output (bit-5)	6	Q6	Parallel data output (bit-6)	7	Q7	Parallel data output (bit-7)	8	GND	Ground (0 V)	9	Q7'	Serial Data Output	10	MR	Master Reset (Active Low)	11	SH_CP	Shift Register Clock Input	12	ST_CP	Storage Register Clock Input	13	OE	Output Enable (Active Low)	14	DS	Serial Data Input	15	Q0	Parallel data output (bit-8)	16	Vcc	Positive Supply Voltage
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	Proximity & Attitude Sensor	APDS-9930 Proximity & Attitude Sensor GY-9930-LLC I2C ALS RGB For Arduino	https://www.ebay.ca/itm/172997132960	ALS, IR LED and Proximity Detector in an Optical Module Ambient Light Sensing (ALS) Approximates Human Eye Response Programmable Interrupt Function with Upper and Lower Threshold Up to 16-Bit Resolution High Sensitivity Operates Behind Darkened Glass Low Lux Performance at 0.01 lux Proximity Detection Fully Calibrated to 100 mm Detection Integrated IR LED and Synchronous LED Driver Eliminates ?Factory Calibration? of Prox Programmable Wait Timer Wait State Power ? 90 ?A Typical																																																			

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