Parts Export

Generated: 2026-06-13 15:46:37

Total Parts: 39

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	**COC-00005-A**	Post-its BOOK	CO - Consumables	3M, Hopax	Self-adhesive sticky note pad designed for quick notes, reminders, labeling, office work, study tasks, and organization purposes. These compact paper notes provide reliable adhesion, smooth writing surface, and easy repositioning without leaving residue. Commonly used in offices, schools, electronics labs, workshops, and project planning applications.	Product Type: Adhesive Sticky Notes Pad Note Size: 3x3 Inch Sheet Count: 50 Pages Color: Multi-color	sticky notes • post-it notes • memo pad • adhesive notes • office stationery • study notes
No Image	**COE-00001-C**	CR2025 3V Lithium Coin Cell	CO - Consumables	Panasonic	.Panasonic CR2025 is a 3V lithium coin cell battery designed for long-lasting and reliable power in compact electronic devices. Built using Lithium Manganese Dioxide (LiMnO?) chemistry, it offers stable discharge characteristics and a shelf life of up to 10 years under proper storage conditions. Suitable for car key remotes, medical devices, digital watches, calculators, fitness devices, memory backup systems, and other small electronics.	Battery Type: Lithium Coin Cell Battery Size: CR2025 Chemistry: Lithium Manganese Dioxide (LiMnO?) Nominal Voltage: 3 V Nominal Capacity: 165 mAh Diameter: 20 mm Height: 2.5 mm Termination Style: Pressure Contacts Operating Temperature: –30°C to +60°C Weight (Unit): 2.3 g Shipping Weight: 0.008 kg Shipping Dimensions: 9.2 × 7.5 × 1 cm	CR2025 Battery • 3V Coin Cell • Lithium Battery • Panasonic Battery • Button Cell
No Image	**EDD-00005-A**	5Volt regulator	ED - Electronic Device	Texas Instruments, STMicroelectronics, ON Semiconductor, Fairchild Semiconductor	LM7805 TO-92 voltage regulator device designed to provide stable 5V DC output for electronic circuits, embedded systems, sensors, and microcontroller applications. It regulates higher input voltage into a constant 5V output with built-in thermal overload and short-circuit protection for reliable operation. Commonly used in Arduino projects, power supply circuits, IoT devices, educational electronics kits, and low-power embedded systems.	Device Type: Linear Voltage Regulator Output Voltage: 5V DC Package Type: TO-92 Input Voltage Range: 7V – 20V Output Current: Up to 100mA	LM7805 • voltage regulator • 5V regulator • TO-92 regulator • linear regulator • power supply IC
No Image	**EDD-00005-B**	12Volt regulator	ED - Electronic Device	Texas Instruments, STMicroelectronics, ON Semiconductor, Fairchild Semiconductor	LM7812 TO-92 voltage regulator device designed to provide stable 12V DC output for electronic circuits, embedded systems, communication modules, and power supply applications. It regulates higher input voltage into a constant 12V output with built-in thermal overload and short-circuit protection for reliable operation. Commonly used in power management circuits, robotics systems, Arduino projects, industrial electronics, and educational embedded applications.	Device Type: Linear Voltage Regulator Output Voltage: 12V DC Package Type: TO-92 Input Voltage Range: 14V – 30V Output Current: Up to 100mA	voltage regulator • TO-92 regulator • linear regulator • power supply IC • LM7812 • 12V regulator
No Image	**EDD-00005-C**	6Volt regulator	ED - Electronic Device	Texas Instruments, STMicroelectronics, ON Semiconductor, Fairchild Semiconductor	LM7806 TO-92 voltage regulator device designed to provide stable 6V DC output for electronic circuits, embedded systems, sensors, and low-power applications. It regulates higher input voltage into a constant 6V output with built-in thermal overload and short-circuit protection for reliable and safe operation. Commonly used in Arduino projects, battery-powered systems, robotics circuits, educational electronics kits, and embedded development applications.	Device Type: Linear Voltage Regulator Output Voltage: 6V DC Package Type: TO-92 Input Voltage Range: 8V – 20V Output Current: Up to 100mA	voltage regulator • TO-92 regulator • linear regulator • power supply IC • LM7806 • 6V regulator
No Image	**EDK-00005-A**	Switch Kit	ED - Electronic Device	Omron, C&K, E-Switch	Electronic switch kit containing assorted push buttons, tactile switches, toggle switches, slide switches, and rocker switches for circuit control and user input applications. It provides reliable switching solutions for prototyping, embedded systems, Arduino projects, robotics, and educational electronics development. Commonly used in control panels, DIY electronics, power switching circuits, IoT devices, and breadboard prototyping applications.	Product Type: Electronic Switch Assortment Kit Switch Types: Push Button, Toggle, Slide, Rocker, Tactile Operating Voltage: 3V – 250V Current Rating: Up to 5A	Tactile Switch • switch kit • push button switch • toggle switch • slide switch • rocker switch

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No Image	**EDM-00005-A**	Solderless Prototyping Breadboard	ED - Electronic Device	MWduino / Generic	Complete prototyping kit with 400-point solderless breadboard and T-type GPIO breakout module. Includes 40-pin flat ribbon cable for clean and organized Raspberry Pi GPIO access. Ideal for Raspberry Pi projects, circuit prototyping, and educational experimentation.	Item Type: Cable Model: GPIO Compatibility: Raspberry Pi 3 Model B/B+ T: Connector Dimensions (mm): 72 × 59 × 12 T: Connector Weight (g): 13 Pitch (mm): 2.54 Cable Length (cm): 20 (Flat Ribbon) No. of Pins: 40 Width of Cable (cm): 5.5 Additional Specs (mm): 84 × 55 × 8.5 (L × W × H) No. of Tie Points: 400 Weight (g): 40 Material: ABS Plastic Shipping Weight: 0.06 kg Shipping Dimensions (L × W × H): 10 × 7 × 7 cm	Breadboard 400 Point • GPIO Breakout Board • Raspberry Pi GPIO • T-Type Adapter • 40 Pin Ribbon Cable
No Image	**EDM-00005-B**	Breadboard Mini	ED - Electronic Device	BusBoard Prototype, Twin Industries, Elegoo, SunFounder, Generic	Material: ABS Mini Solderless Breadboard Tie-point: 170Completely reusable Colored coordinates for easy component placement Size:45x34x9mm(1.771.34x0.35 inch) Color: Red, Black, White, Blue, Green	Item Type: Breadboard No. of Points: 170 Tie Points: 170 Material: ABS Mounting holes: M2 Length (mm): 48 Width (mm): 35 Height (mm): 9 Weight (g): 14	testing • Prototyping • Electronics • breadboard • mini breadboard • pcb • solderless
No Image	**EDM-00005-C**	Full-size breadboard	ED - Electronic Device	BusBoard Prototype, Twin Industries, Elegoo, SunFounder, Generic	An MB102 830 Points Solderless Prototype PCB Breadboard High Quality is an invaluable tool for experimenting with circuit designs whether in the R&D or university lab. A MB102 830 Points Solderless Prototype PCB Breadboard High Quality is used to make up temporary circuits for testing or to try out an idea. No soldering is required so it is easy to change connections and replace components.	Item Type: Breadboard, Solderless Type No. of Points: 830 Material: ABS	testing • Prototyping • Electronics • breadboard • pcb • solderless • full size breadboard
No Image	**EDM-00005-D**	PROTOTYPING SHIELD	ED - Electronic Device	Arduino, Keyes, DFRobot, Seeed Studio, Generic	Arduino Uno Protoshield directly fits into an Arduino UNO board and breaks out the I/O pins and makes it an expansion board. It makes it very easy to design any customer circuit. You can directly solder components on the board or connect the circuit using 170 point mini breadboard (included). The board is designed to solder both through-hole and SMD components to test them with your Arduino board. Although the SMD area is designed for 24 Pins SOIC integrated circuit and has a lot of space for TH components.	Breadboard Points: 170 Breadboard Size: 4.8×3.4 cm Shield Size: 7×5.4 cm	DIY • Electronics • pcb • arduino shield • prototyping shield • uno shield • development
No Image	**EDS-00005-A**	IR (INFRARED) RECEIVER SENSOR	ED - Electronic Device	Vishay, Everlight, Sharp, Panasonic	Infrared (IR) receiver sensor module designed to detect and decode IR signals from remote controls in electronic systems. It receives modulated infrared light signals (typically 38kHz) and converts them into digital output for microcontroller processing. Commonly used in Arduino projects, robotics, home automation systems, TV remote decoding, and embedded electronics applications.	Sensor Type: Infrared Receiver Module Operating Voltage: 3.3V – 5V Carrier Frequency: 38kHz (typical) Detection Range: 5m – 10m (approx.) Wavelength: ~940nm Infrared	IR Receiver • Infrared Sensor • IR Decoder • IR remote sensor • TSOP sensor • Arduino IR module
No Image	**EDS-00006-A**	IC NE 555	ED - Electronic Device	Texas Instruments, STMicroelectronics, ON Semiconductor, NXP, Generic	The NE 555 P timer IC is a precision timing circuit capable of producing accurate time delays or oscillation. In the time-delay or monostable mode of operation, the timed interval is controlled by a single external resistor and capacitor network. In the astable mode of operation, the frequency and duty cycle can be controlled independently with two external resistors and a single external capacitor. The threshold and trigger levels normally are two-thirds and one-third, respectively, of VCC. These levels can be altered by the use of the control voltage terminal. When the trigger input falls below the trigger level, the flip-flop is set, and the output goes high. If the trigger input is above the trigger level and the threshold input is above the threshold level, the flip-flop is reset and the output is low.	Case/Package: PDIP 8 Min Supply Voltage: 4.5 Max. Supply Voltage (V): 16 Product Type: Timers & Support Products Processor Series: NE555 No. of Timers/Counters: 1 Operating Temperature (°C): 0 to 70 Dimensions (L x W x H) mm: 9.81 x 4.57 x 6.35 Mounting Type: Through Hole	Electronics • ne555 • timer ic • oscillator • pulse generator • ic • astable
No Image	**EDT-00005-A**	Humidity Device	ED - Electronic Device	Aosong Electronics, Aosong Electronics, Bosch, Sensirion	Digital humidity sensor device used for measuring relative humidity and environmental moisture levels in air for IoT, automation, weather monitoring, and embedded electronics projects.	Operating Voltage: 3.3V – 5V Humidity Range: 0% – 100% RH Humidity Accuracy: ±2% RH to ±5% RH Operating Temperature: -40°C to +125°C	Humidity Sensor • RH sensor • environmental sensor • digital sensor • air moisture sensor
No Image	**EMA-00005-A**	2x3W Mini digital amplifier board	EM - Electronic-Electrical Modules	Diodes Incorporated, SparkFun	The 2x3W Mini Digital Amplifier Board is a compact stereo Class-D audio amplifier module commonly based on the PAM8403 amplifier IC. It can deliver up to 3W + 3W stereo output using a 5V power supply, making it ideal for portable speakers, DIY audio systems, Bluetooth speakers, and Arduino sound projects.	Product Type: Stereo Audio Amplifier Module Amplifier IC: PAM8403 Amplifier Type: Class-D Output Power: 2 x 3W Operating Voltage: 2.5V – 5.5V DC Recommended Voltage: 5V	PAM8403 Amplifier Board • 2x3W Stereo Amplifier • Mini Digital Amplifier • Class-D Audio Amplifier

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No Image	**EMC-00001-A**	RF 433/315 MHz Transmitter and Receiver 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 over radio frequency. It typically includes an RF transmitter module and an RF receiver module that operate at 433 MHz (or 315 MHz in some variants). The transmitter sends digital signals by modulating radio waves, and the receiver decodes these signals back into data. It is commonly used for short-range wireless communication between microcontrollers like Arduino, ESP8266, ESP32, and other embedded systems.	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-00005-A**	RFID READER MODULE	EM - Electronic-Electrical Modules	NXP Semiconductors, Ai-Thinker, SunFounder, Keyestudio, Waveshare	RC522 - RFID Reader /Writer with Cards Kit includes a 13.56MHz RF reader and writer module that uses an RC522 IC and two S50 RFID cards tag. The MF RC522 is an integrated transmission module for contactless communication at 13.56 MHz. RC522 supports ISO 14443A/MIFARE mode. RC522 - RFID Reader features an outstanding modulation and demodulation algorithm to serve effortless RF communication at 13.56 MHz. The S50 RFID Cards will ease up the process helping you to learn and add the 13.56 MHz RF transition to your project. The module uses SPI to communicate with microcontrollers. The open-hardware community already has a lot of projects exploiting the RC522 – RFID Communication, using Arduino.	Operating Frequency (MHz): 13.56 Reading Distance (m): 2 cm to 5 cm Supply Voltage (V): 3.3V Operating Current (mA): 13 ~ 26 SPI data rate (Mbit/s): 10 Length (mm): 60 Width (mm): 39.5 Weight (g): 20	RC522 • RFID Reader • NFC Module • MFRC522 • 13.56MHz RFID • Arduino RFID
No Image	**EMC-00005-B**	RFID KEY FOB	EM - Electronic-Electrical Modules	NXP Semiconductors, ACS (Advanced Card Systems)	An RFID Key Fob is a small, portable contactless tag used for wireless identification and access control. It contains an embedded RFID chip and antenna that communicates with RFID readers using radio frequency signals (commonly 13.56 MHz for Arduino RC522 systems).	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
No Image	**EMC-00005-C**	RFID KEY CARD	EM - Electronic-Electrical Modules	NXP Semiconductors, HID Global	An RFID Card is a contactless smart card used for wireless identification using radio frequency signals. Most Arduino-compatible RFID systems use 13.56 MHz HF RFID cards based on ISO/IEC 14443 standard, commonly paired with RC522 readers.	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
No Image	**EMP-00001-B**	5V wall power supply Adapter	EM - Electronic-Electrical Modules	Mean Well, Hi-Link, Delta Electronics	The 5V Wall Power Supply Adapter is an AC-to-DC switching power supply used to provide regulated 5V DC output for electronic circuits, development boards, IoT devices, LED systems, routers, sensors, and embedded projects. These adapters convert high-voltage AC mains power into stable low-voltage DC suitable for electronics applications.	Product Type: AC to DC Power Adapter Output Voltage: 5V DC Input Voltage: 100V – 240V AC Output Current: 1A / 2A / 3A Power Supply Type: SMPS	SMPS Adapter • 5V Power Adapter • 5V DC Adapter • Wall Power Supply • Arduino Power Adapter
No Image	**EMS-00003-A**	Accelerometer module GY 521	EM - Electronic-Electrical Modules	InvenSense, Generic Electronics, DFRobot, SparkFun Electronics	The GY-521 Accelerometer Module is a 6-axis motion tracking sensor board based on the MPU6050 MEMS sensor IC. It combines a 3-axis accelerometer and a 3-axis gyroscope in a single compact module, allowing accurate measurement of acceleration, tilt, rotation, vibration, and motion.	Product Type: Accelerometer + Gyroscope Module Model: GY-521 Main IC: MPU6050 Communication: I2C Operating Voltage: 3V – 5V DC	GY-521 Accelerometer Module • MPU6050 Sensor Module • 6DOF Motion Sensor • Gyroscope Accelerometer Module
No Image	**EMS-00003-B**	Accelerometer module GY-61 (ADXL335)	EM - Electronic-Electrical Modules	N/A			
No Image	**EMS-00005-A**	HC-SR04 Ultrasonic Sensor Module	EM - Electronic-Electrical Modules	MWduino / Generic, Elecfreaks, KEYESTUDIO, SunFounder	Ultrasonic distance sensor module that uses 40kHz sound waves for accurate, non-contact distance measurement. Operates on 3.3–5.5V DC and features a simple 4-pin interface (VCC, Trig, Echo, GND) for easy integration. Ideal for robotics, obstacle avoidance, automation systems, parking sensors, distance measurement, and Arduino-based projects.	Power Supply (V): +5V DC Working Current (mA): 15 mA Output Signal: Electrical frequency signal Ranging Distance: 2 cm – 400 cm Distance Resolution: 0.3 cm Measuring Angle: 30° Operating Voltage Range (V): 3.3V – 5.5V Interface Type: 4-pin (VCC, Trig, Echo, GND) Shipping Weight: 0.007 kg Shipping Dimensions (L × W × H): 9 × 6 × 2 cm	Ultrasonic Sensor • HC-SR04+ • Distance Sensor • Arduino Sensor • Obstacle Detection Module

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	**EMS-00010-G**	MQ135 gas sensor	EM - Electronic-Electrical Modules	Hanwei Electronics, Zhengzhou Winsen Electronics, Futurlec	The MQ 135 Air Quality Detector Sensor Module For Arduino has lower conductivity in clean air. When the target combustible gas exists, the conductivity of the sensor is higher along with the gas concentration rising. Convert change of conductivity to the corresponding output signal of gas concentration. The MQ135 gas sensor has a high sensitivity to Ammonia, Sulphide, and Benzene steam, also sensitive to smoke and other harmful gases. It is at low cost and suitable for different applications such as harmful gases/smoke detection.	Model: MQ-135 Detecting range: 100ppm to 1000ppm Operating current: 150 mA Operating Voltage: 5 V Length: 3.2 cm Height: 2.7 cm Width: 2 cm	Air Quality Sensor • MQ135 • Ammonia Sensor • NOx Sensor • CO2 Sensor • Smoke Sensor
No Image	**EMS-00015-A**	Touch keyboard TTP229 16 keys capacitive	EM - Electronic-Electrical Modules	Tontek Design Technology, Robocraze, Keyestudio	The TTP229 16-Key Capacitive Touch Keyboard is a touch-sensitive input module based on the TTP229 capacitive sensing IC. Unlike traditional membrane or mechanical keypads, this module detects finger touch using capacitive sensing technology, providing silent, durable, and highly responsive operation.	Product Type: Capacitive Touch Keypad IC Used: TTP229 Number of Keys: 16 Key Layout: 4×4 Operating Voltage: 2.4V – 5.5V DC	TTP229 Touch Keypad • 16-Key Capacitive Keyboard • 4x4 Touch Sensor Module • Arduino/ESP32 Touch Input Module
No Image	**EMS-00015-B**	3x4 Membrane switch keypad	EM - Electronic-Electrical Modules	Adafruit, DFRobot, SparkFun, Keyestudio	The 3x4 12-Key Membrane Switch Keypad is a compact matrix-style input device commonly used in Arduino, ESP32, Raspberry Pi, PIC, AVR, and embedded electronics projects. It contains 12 push buttons arranged in a telephone-style 4-row × 3-column matrix layout.	Product Type: Membrane Matrix Keypad Key Layout: 3×4 Matrix Number of Keys: 12 Operating Voltage: 3V – 35V DC Connector Type: 7-pin Header	12 Key Matrix Keypad • Membrane Switch Keypad • Arduino Keypad • 3x4 Membrane Keypad • Numeric Keypad Module • 4x3 Matrix Keyboard • Telephone Style Keypad • Matrix Input Module

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No Image	**EMS-00015-C**	4x4 Membrane switch keypad	EM - Electronic-Electrical Modules	Adafruit, Keyestudio, DFRobot, SparkFun	The 4x4 / 4x3 Membrane Switch Keypad is a thin and flexible matrix-style input device commonly used with microcontrollers like Arduino, ESP32, Raspberry Pi, PIC, and AVR boards. It contains multiple push buttons arranged in matrix rows and columns, allowing easy user input while using fewer GPIO pins.	Product Type: Membrane Matrix Keypad Key Layout: 4×4 / 4×3 Number of Keys: 12 or 16 Operating Voltage: 3V – 35V DC Connector Type: 7-pin / 8-pin Header	4x4 Membrane Keypad • 12 Key Matrix Keypad • Membrane Switch Keypad • Matrix Keyboard Module • Arduino Keypad • Numeric Input Module • 4x3 Matrix Keypad • Keypad Module
No Image	**EMS-00021-A**	SW-520D Tilt Sensor	EM - Electronic-Electrical Modules	Generic Electronics, DFRobot, SparkFun, Keyestudio	The SW-520D Tilt Sensor Module is a simple digital angle detection sensor used to detect tilt, orientation change, vibration, or motion. It works using a metal ball inside a cylindrical switch that moves when the angle changes. When tilted beyond a certain threshold (around ~10°–15° depending on mounting), the internal contacts connect/disconnect and the module outputs a digital HIGH/LOW signal. It is widely used in security alarms, anti-theft systems, robotics balance detection, and Arduino/ESP32 projects.	Product Type: Tilt / Angle Sensor Module Sensor Type: Ball Switch (SW-520D) Output Type: Digital (0 / 1) Operating Voltage: 3.3V – 5V DC Comparator IC: LM393	SW-520D Sensor • Tilt Sensor Module • Angle Sensor • Ball Switch Sensor • Orientation Sensor • Digital Tilt Switch • Arduino Tilt Sensor
No Image	**EMS-00025-A**	Encoder Sensor Module	EM - Electronic-Electrical Modules	Broadcom, Generic Electronics, Omron, AMS	Encoder Sensor Modules are used to detect rotation, speed, direction, and position in robotics, automation, motor control, CNC machines, smart vehicles, and Arduino projects. Common encoder modules include rotary encoders (KY-040), optical encoder sensors (MOC7811), and magnetic encoder modules. These modules provide digital pulse outputs for precise motion tracking.	Product Type: Encoder Sensor Module Encoder Type: Rotary / Optical / Magnetic Operating Voltage: 3.3V – 5V DC Output Type: Digital Pulse	Encoder Sensor Module • Rotary Encoder Module • Optical Encoder Sensor • Speed Sensor • Position Sensor • KY-040 Encoder • Arduino Encoder
No Image	**EMS-00026-A**	HMC5883L Triple Axis Compass Magnetometer Sensor Module	EM - Electronic-Electrical Modules	Honeywell, ITEAD Studio, DFRobot, Adafruit, SparkFun	HMC5883L Triple Axis Compass Magnetometer Sensor Module is a 3-axis digital compass sensor used for navigation, heading detection, robotics, drones, GPS systems, and Arduino projects. The module communicates through the I2C interface and measures magnetic field strength across X, Y, and Z axes for accurate compass heading and orientation detection.	Product Type: Triple Axis Magnetometer Sensor Model: HMC5883L Number of Axes: 3 Axis Communication Interface: I2C Operating Voltage: 3.3V – 5V ADC Resolution: 12-bit	HMC5883L Sensor • Magnetometer Module • Compass Sensor • Triple Axis Compass • GY-271 Sensor • GY-273 Module • Arduino Compass Sensor
No Image	**MMC-00005-A**	Telephone extension cable (Male to Male)	MM - Mechanical Module	Belkin, UGREEN, CableCreation, StarTech	RJ-11 4P4C male to male telephone extension cable designed for telephone systems, communication devices, modems, intercom systems, and embedded communication applications. It provides reliable signal transmission, secure connectivity, and flexible cable routing for voice and low-speed data communication systems. Commonly used in landline telephones, fax machines, DSL modems, networking experiments, and electronics communication projects.	Connector Type: RJ-11 4P4C Male to Male Cable Type: Telephone Extension Cable Number of Conductors: 4P4C Cable Length: 1m – 10m	RJ11 cable • 4P4C cable • telephone extension cable • male to male cable • communication cable
No Image	**MMD-00003-B**	150 RPM Geared Motor	MM - Mechanical Module	Johnson Motor, DFRobot, Robu.in, FlyRobo	150 RPM 12V geared motors are high-torque DC motors with integrated reduction gearboxes designed for robotics, smart vehicles, automation systems, conveyor mechanisms, DIY mechanical projects, and Arduino-based applications. The gearbox reduces speed while increasing torque for controlled movement.	Product Type: DC Geared Motor Rated Voltage: 12V DC Speed: 150 RPM Gearbox Type: Metal Gearbox Shaft Diameter: 6 mm Current Consumption: 100mA – 500mA	150RPM Motor • Geared DC Motor • 12V Gear Motor • High Torque Motor • Robotics Motor • DIY Motor • Metal Gear Motor
No Image	**MMD-00005-A**	MINI SUBMERSIBLE WATER PUMP	MM - Mechanical Module	Adafruit, SunFounder, DFRobot, Generic Pump Manufacturer	Mini submersible water pumps are compact DC-powered pumps designed for water circulation, mini fountains, hydroponics, aquarium systems, cooling projects, automatic watering systems, and DIY Arduino automation projects. These pumps operate while fully submerged in water and provide low-noise continuous flow.	Product Type: Mini Submersible Water Pump Operating Voltage: 3V – 6V DC Rated Voltage: 5V DC Current Consumption: 100mA – 220mA Flow Rate: 80 – 120 L/H Outlet Diameter: 7mm – 8mm	Mini Water Pump • Submersible Pump • DC Water Pump • Aquarium Pump • DIY Pump • Arduino Water Pump • Micro Pump
No Image	**MMD-00006-A**	Small Reduction Stepper Motor - 5VDC 32-Step 1/16 Gearing	MM - Mechanical Module	Adafruit, Songle Motor, Generic Stepper Motors, SunFounder	The Small Reduction Stepper Motor – 5VDC 32-Step 1/16 Gearing is commonly known as the 28BYJ-48 stepper motor. It is a compact geared unipolar stepper motor widely used in Arduino projects, robotics, automation systems, camera sliders, smart locks, and educational electronics. The internal reduction gearbox provides higher torque and precise low-speed rotation.	Product Type: Geared Stepper Motor Model: 28BYJ-48 Operating Voltage: 5V DC Gear Reduction Ratio: 1/64 Steps Per Revolution: 2048 Steps	Arduino Motor • 5V Stepper Motor • Reduction Stepper Motor • 28BYJ-48 • Geared Stepper Motor • Mini Stepper Motor • DIY Robotics Motor
No Image	**MMM-00005-A**	Wheels	MM - Mechanical Module	Pololu, DFRobot, Waveshare, SunFounder	N20 34mm wheels are compact rubber wheels specially designed for N20 micro gear motors with a 3mm D-shaped shaft. These wheels are widely used in line follower robots, mini smart cars, obstacle avoidance robots, STEM kits, and DIY robotics projects. Most models use a press-fit D-hole design for secure mounting and better traction.	Product Type: N20 Motor Rubber Wheel Wheel Diameter: 34 mm Wheel Width: 6.5 mm – 7 mm Shaft Type: 3 mm D Shaft	Rubber Wheel • Smart Car Wheel • DIY Robot Wheel • N20 Wheel • 34mm Robot Wheel • N20 Motor Wheel • Mini Robot Wheel

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	**MMM-00005-B**	Rubber wheels	MM - Mechanical Module	DFRobot, Pololu, SparkFun, Waveshare	Rubber wheels for DC motors are commonly used in robotics, smart car projects, Arduino robots, line follower robots, obstacle avoidance robots, and DIY mechanical projects. These wheels usually fit BO motors, TT motors, and geared DC motors, providing better grip and smooth movement.	Product Type: Rubber Wheel for DC Motor Wheel Diameter: 65mm / 70mm Compatible Motors: BO Motor / TT Motor Wheel Width: 25mm – 30mm	Robot Wheel • Rubber Wheel • DC Motor Wheel • Smart Car Wheel • Tyre Wheel • DIY Robot Wheel • Motor Wheel
No Image	**TLC-00005-A**	Tweezer	TL - Tools	Pro'sKit, Jakemy, Vetus, Hakko	Tweezers are precision hand tools used for holding, picking, placing, and handling small electronic components during PCB assembly, soldering, mobile repair, laboratory work, and DIY electronics projects. ESD-safe tweezers help prevent static damage to sensitive components.	Product Type: Precision Tweezer Material: Stainless Steel Application: PCB Repair, Electronics	DIY Tool • Tweezers • Precision Tweezers • ESD Tweezers • Anti-static Tweezers • Electronics Tweezer • PCB Repair Tool
No Image	**TLK-00005-A**	Metal file set	TL - Tools	N/A			
No Image	**TLM-00005-A**	Plier	TL - Tools	Proskit, Taparia, Jakemy, tanley	Micro long nose pliers are compact precision tools designed for electronics repair, PCB work, wire bending, gripping small components, and working in tight spaces. Commonly used in robotics, DIY electronics, and jewelry applications.	Size: 4.5 inch – 5 inch Handle Type: Soft Grip / Anti-slip Usage: Precision Gripping & Wire Bending	DIY Tool • Needle Nose Plier • Mini Plier • Micro Long Nose Plier • Precision Plier • Electronics Tool • Jewelry Plier
No Image	**TLM-00005-B**	Plier	TL - Tools	Taparia, Stanley, Bosch, Proskit	Long nose pliers are precision hand tools used for gripping, bending, holding, and cutting wires in electronics, electrical work, jewelry making, and DIY projects. Their narrow pointed jaws help access tight spaces easily.	Handle Type: Insulated Grip Length: 5 inch – 8 inch Usage: Wire Bending, Gripping, Cutting	DIY Tool • Long Nose Plier • Needle Nose Plier • Electronics Plier • Mini Plier • Precision Tool • Wire Handling Tool