

Parts Export

Generated: 2026-06-10 11:59:52

Total Parts: 61

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	EDD-00001-A	Laser Diode	ED - Electronic Device	OSRAM, Sharp, Rohm, Mitsubishi, Generic	Mini 650nm 6mm 5mW Laser Dot Diode Module which is made of copper plastic. Can be driven from 3V to 5V DC so they're great for your embedded electronics project, robot, or other application. You require a 3 to 5VDC power supply which you'd get from two standard AAA or AA batteries. These diodes are 5mW output and have a safety label marked on them. It is suitable for 3V 5mW standard, with 6mm outside diameter, can be used to connect diode tubes for multiple uses.	Item Type: Laser Module Voltage Rating (V): 5 Weight (g): 2 Operating Temperature (°C): -10 to 50 Rated Power (mW): 5mW Wavelength (nm): 650	laser diode • laser • light emitter • optical • semiconductor • electronic device
No Image	EDD-00002-A	Red LED	ED - Electronic Device	Generic	Red Light Emitting Diode (LED) used as an indicator in electronic circuits. Emits bright red light when powered, ideal for TVs, monitors, telephones, computers. Suitable for general indicator applications, prototyping, and electronics projects.	Case/Package: DIP Diameter (mm): 10 Mounting Type: Through Hole Lens Appearance: Transparent Color: Red Forward Voltage (V): 2 Forward Current (mA): 30 Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	Red LED • Indicator LED • Through Hole LED • DIP LED • 10mm LED
No Image	EDD-00002-B	Green LED	ED - Electronic Device	Generic	Green Light Emitting Diode (LED) used as an indicator in electronic circuits. Emits bright green light with a transparent lens, ideal for TVs, monitors, telephones, and project indicators. Suitable for general indicator applications, prototyping, and educational electronics projects.	Case/Package: DIP Diameter (mm): 8 Mounting Type: Through Hole Lens Appearance: Transparent Color: Green Forward Voltage (V): 3.5 Forward Current (mA): 30 Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	Indicator LED • Through Hole LED • DIP LED • Green LED • 8mm LED
No Image	EDD-00002-C	Yellow LED	ED - Electronic Device	Generic	Yellow Light Emitting Diode (LED) used as an indicator in electronic circuits. Emits bright yellow light with a transparent body, ideal for TVs, monitors, telephones, and computers. Suitable for general indicator applications, prototyping, and project indicator panels.	Case/Package: DIP Diameter (mm): 10 Mounting Type: Through Hole Lens Appearance: Transparent Color: Yellow Forward Voltage (V): 3.2 Forward Current (mA): 30 Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	Indicator LED • Through Hole LED • DIP LED • 10mm LED • Yellow LED
No Image	EDD-00002-D	Blue LED	ED - Electronic Device	Generic	Blue Light Emitting Diode (LED) used as an indicator in electronic circuits. Emits bright blue light with a round transparent body, ideal for TVs, monitors, telephones, and computers. Suitable for educational, DIY, prototyping, and professional electronics applications.	Mounting Type: Through Hole Through Hole LED Size (mm): 3 No. of Pins: 2 Color: Blue Head Shape: Round Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	Indicator LED • Through Hole LED • 3mm LED • DIP LED • Blue LED • Round LED
No Image	EDD-00002-E	White LED	ED - Electronic Device	ED Series / Generic	White Light Emitting Diode (LED) used as an indicator or illumination source in electronic circuits. Emits bright white light from a transparent housing, ideal for display panels, devices, and project indicators. Suitable for hobby, prototyping, and professional electronics applications.	Manufacturer: ED Series / Generic Compatible – White LED (3mm, DIP Type) Case/Package: DIP Mounting Type: Through Hole Lens Appearance: Transparent Color: White Forward Voltage (V): 2.8 Forward Current (mA): 30 Shipping Weight: 0.001 kg Shipping Weight: 1 x 1 x 1 cm	Indicator LED • Through Hole LED • White LED • 3mm LED • DIP LED
No Image	EDD-00003-A	RGB Multi-Color LED Module	ED - Electronic Device	ED Series / XINGLIGHT, XINGLIGHT	5mm common cathode RGB LED with transparent lens for multi-color indication. Combines red and green-yellow emission in a single through-hole package. Ideal for indicator panels, DIY electronics, and visual feedback systems.	Manufacturer: XINGLIGHT Model No.: XL-A524SURS YGC Package: Plugin, D = 5mm Forward Current (mA): 20 Color Temperature: - Peak Wavelength (nm): 640 (Red) 572 (Green: Yellow) Luminous Intensity (mcd): 600 (Red) 550 (Green: Yellow) Lens Color: Colorless Transparent Diode Configuration: Common Cathode Wavelength – Dominant (nm): 635–640 (Red) 565–575 (Green: Yellow) Operating Temperature (°C): -20 ~ +85 Illumination Color: Red, Green-Yellow Viewing Angle: 30° Lamp Holder Type: 5mm Round Head Power (mW): 50 Forward Voltage (Vf): 2.3V (Red) 2.4V (Green: Yellow) Mounting Type: Through Hole Compliance: RoHS	RGB LED • 5mm LED • Common Cathode LED • Indicator LED • Through Hole LED

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No Image	EDD-00003-B	RGB Multi-Color LED Module	ED - Electronic Device	Jameco ValuePro, Jameco ValuePro, Adafruit Industries	5mm high-brightness RGB LED with common anode configuration. Emits red, green, and blue light for color mixing and display applications. Ideal for indicators, Arduino projects, decorative lighting, and DIY electronics.	Manufacturer: Generic Model Type: Common Anode RGB LED Package: 5mm Round (Clear Lens) Color: Red, Green, Blue Configuration: Common Anode Brightness: High Current Consumption: Low Operating Voltage: 2.0–3.2V (per color) Forward Current (mA): 20 (per channel) Power Efficiency: High Luminous Output, Low Heat Material: Epoxy Resin, Gold Wire Leads Mounting Type: Through Hole Item Size: 5mm Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	RGB LED • 5mm LED • Indicator LED • Through Hole LED • Common Anode LED
No Image	EDD-00004-A	1 Digit 7-Segment LED Display	ED - Electronic Device	Lite-On Technology, Kingbright, Generic / OEM	The 0.56" 1-Digit 7-Segment LED Display is designed to display decimal numbers (0–9) using seven LED segments. It features a common cathode configuration with bright red LEDs for clear and efficient numeric indication. Ideal for digital clocks, counters, meters, and microcontroller-based display applications.	Model: 7 Segment LED Display Digit Count: 1 Digit Display Size: 0.56 Inch Configuration Type: Common Cathode Emitting Color: Red Face Color: Black Number of Pins: 10 Forward Voltage (V): 1.8 – 2.2 (Typical for Red LED) Forward Current (mA): 20 (Typical) Mounting Type: PCB Through Hole Characteristics: High Brightness, Low Current Consumption, Easy to Use Length (Inch): 0.56 Shipping Weight: 0.02 kg Shipping Dimensions (L x W x H cm): 6 x 4 x 2	Arduino Compatible • 0.56" 7-Segment • 1 Digit Display • Red LED • Common Cathode • 5161AS • Through Hole • Numeric Display
No Image	EDD-00004-B	7 Segment Display, 1 digit device	ED - Electronic Device	Kingbright, Lite-On, Everlight, Broadcom	Single digit common anode 7 segment LED display device designed for numeric indication in embedded systems, counters, timers, clocks, measurement instruments, and electronics projects. It provides bright numeric visualization with low power consumption and simple interfacing using microcontrollers and digital logic circuits. Commonly used in Arduino projects, digital counters, calculators, industrial control panels, and educational electronics applications.	Display Type: 1 Digit 7 Segment LED Display Configuration: Common Anode Operating Voltage: 1.8V – 2.2V per Segment Number of Pins: 10 Pins Digit Height: 0.36 Inch – 0.56 Inch	Numeric Display • 7 segment display • common anode display • single digit display • LED display
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-00001-A	Electrolytic capacitor	ED - Electronic Device	Nichicon, Panasonic, Rubycon, Nippon Chemi-Con	Electrolytic capacitor designed for energy storage, filtering, voltage smoothing, signal coupling, and power supply stabilization in electronic circuits and embedded systems. It provides high capacitance values with polarized construction for efficient performance in DC power applications and low-frequency filtering circuits. Commonly used in power supplies, amplifiers, Arduino projects, motor drivers, industrial electronics, and embedded development systems.	Capacitor Type: Aluminum Electrolytic Capacitor Capacitance Range: 1µF – 10000µF Voltage Rating: 6.3V – 450V Operating Temperature: -40°C to +105°C	electrolytic capacitor • aluminum capacitor • polarized capacitor • filtering capacitor
No Image	EDK-00002-A	Ceramic capacitor	ED - Electronic Device	Generic, Murata, TDK, KEMET	A capacitor is a passive two-terminal electrical component used to store energy electrostatically in an electric field. It includes 20 capacitor values, 5 pieces of each type with a total of 100 capacitors.	Quantity: 100pcs (5 each per Value) Voltage: 50V	Electronics • passive • capacitor • ceramic • capacitor set

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No Image	EDK-00003-A	transistors	ED - Electronic Device	ON Semiconductor, Fairchild Semiconductor, Toshiba, NXP Semiconductors	TO-92 transistor kit containing multiple commonly used NPN and PNP transistors for switching, amplification, signal processing, and embedded electronics applications. It provides a compact assortment of semiconductor devices suitable for prototyping, Arduino projects, educational electronics, robotics systems, and circuit development work. Commonly used in amplifier circuits, sensor interfacing, motor control, switching applications, and DIY electronics projects.	Package Type: TO-92 Transistor Types: NPN and PNP Operating Voltage: Up to 60V Current Rating: Up to 800mA Current Rating: Up to 800mA	transistor kit • TO-92 transistor • NPN transistor • PNP transistor • semiconductor kit • switching transistor
No Image	EDK-00004-A	Metal Film Resistor Assorted Kit	ED - Electronic Device	Generic	Assorted kit of 600 metal film resistors with 30 different values, 20 pcs each. 1/4W, 1% tolerance resistors suitable for precise electronic, DIY, and educational projects.	Manufacturer: Generic Model Name: 600 pcs. Metal Film Resistor Assorted kit – 30 Kinds Power Rating: 1/4W Tolerance (%): 1 Material Type: Metal Film Package Type: Axial Lead Temperature Stability: High (Better than Carbon Film) Noise Level: Low Frequency Suitability: Suitable for RF and High-Frequency Applications Number of Values: 30 Total Quantity: 600 pcs Quantity per Value: 20 pcs Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	Ideal for prototyping • learning resistor color codes • testing • and circuit experiments.
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
No Image	EDK-00006-A	Diode and Transistor Kit	ED - Electronic Device	ON Semiconductor, Vishay, STMicroelectronics, Fairchild Semiconductor	Diode and transistor kit containing a selection of commonly used semiconductor components including rectifier diodes, signal diodes, Zener diodes, NPN and PNP transistors for electronics prototyping and circuit development. It provides essential components for switching, signal control, rectification, voltage regulation, and amplification in embedded systems.	Kit Type: Semiconductor Assortment Kit Components Included: Diodes (Rectifier, Signal, Zener), NPN & PNP Transistors Max Voltage: Up to 1000V (depending on component) Max Current: Up to 3A (depending on component)	transistor kit • NPN transistor • semiconductor kit • diode kit • rectifier diode • Zener diode
No Image	EDM-00001-A	Tactile Push Button Switch	ED - Electronic Device	OMRON, E-Switch	12x12x7.3mm tactile push button switches with momentary ON-OFF operation. Rated for 12V DC and 120mA with responsive tactile feedback. Includes 25 color-coded round keycaps and storage box for prototyping and DIY projects.	Item Type: Micro Switch Model: Tactile Push Button Switch Operation Mode: ON-OFF Contact Type: Momentary Current Rating: 120mA Operating Voltage: 12V DC Switch Type: Push Button Material: Metal and Plastic Mounting Type: Surface Mount Button Size (mm): 12x12x7.3 Operating Temperature (°C): -25 to +70 Lifespan: ~1000 Cycles Box Dimensions (mm): 127.1 x 68.3 x 21.9 Weight (g): 55 Shipping Weight: 0.06 kg Shipping Dimensions (L x W x H): 13 x 7 x 3 cm	Tactile Switch • Push Button • 12x12mm Switch • Momentary Switch • Arduino Button Kit
No Image	EDM-00002-A	Power switch	ED - Electronic Device	C&K, Omron	On/Off power switch designed for controlling electrical power in electronic devices, embedded systems, power supplies, and DIY projects. It provides reliable switching action for safely turning circuits ON and OFF with stable electrical contact and long operational life.	Switch Type: SPST (Single Pole Single Throw) Rated Voltage: 125V – 250V AC / 12–24V DC Rated Current: 3A – 10A	toggle switch • rocker switch • power switch • on off switch • SPST switch • electrical switch
No Image	EDM-00002-B	Power switch	ED - Electronic Device	C&K, Omron	On/Off power switch designed for controlling electrical power flow in electronic devices, power supplies, embedded systems, and DIY electronics projects. It provides a simple and reliable way to turn circuits ON and OFF with stable contact performance and long operational life.	Switch Type: SPST (Single Pole Single Throw) Rated Voltage: 125V – 250V AC / 12–24V DC Rated Current: 3A – 10A	toggle switch • rocker switch • power switch • SPST switch • electrical switch • on/off switch
No Image	EDM-00003-A	(DPDT) Toggle Switch	ED - Electronic Device	C&K, E-Switch, Omron	DPDT (Double Pole Double Throw) toggle switch designed for reversing polarity, signal routing, and multi-circuit control in electronic systems. It allows two separate circuits to be switched between two different output paths, making it ideal for motor direction control, signal switching, and embedded system applications.	Switch Type: DPDT (Double Pole Double Throw) Number of Pins: 6 Pins Rated Voltage: 125V – 250V AC / 12–30V DC Rated Current: 3A – 6A	toggle switch • DPDT switch • 6 pin switch • polarity reversing switch • control switch

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No Image	EDM-00004-A	Alligator clips	ED - Electronic Device	Pomona Electronics, Mueller Electric, E-Z-Hook, Klein Tools	Alligator clips without test leads designed for temporary electrical connections, prototyping, testing, and laboratory electronics work. These clips provide quick and secure contact with wires, batteries, sensors, and circuit terminals without soldering. Commonly used in Arduino projects, robotics testing, DIY electronics, educational kits, and troubleshooting circuits.	Clip Type: Alligator / Crocodile Clip Material: Nickel Plated Steel Opening Width: 5mm – 15mm Electrical Rating: Low Voltage (alligator clip • crocodile clip • test clip • battery clip • jumper clip • electronics clip • prototyping clip
No Image	EDM-00005-A	400 Pin 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 x 59 x 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 x 55 x 8.5 (L x W x H) No. of Tie Points: 400 Weight (g): 40 Material: ABS Plastic Shipping Weight: 0.06 kg Shipping Dimensions (L x W x H): 10 x 7 x 7 cm	Breadboard 400 Point • GPIO Breakout Board • Raspberry Pi GPIO • T-Type Adapter • 40 Pin Ribbon Cable

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No Image	EDM-00005-B	Breadboard Mini	ED - Electronic Device	BusBoard Prototype, Twin Industries, Elegoo, SunFounder, Generic	Material: ABS Mini Solderless Breadboard Tie-point: 170 Completely 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: 4.8x3.4 cm Shield Size: 7x5.4 cm	DIY • Electronics • pcb • arduino shield • prototyping shield • uno shield • development
No Image	EDM-00006-A	Male Headers	ED - Electronic Device	Samtec, Amphenol, Harwin, TE Connectivity, Molex	This break-away header can be snapped between any pair of pins to created any length header.	Pitch Size: 2.54mm (0.1 Inch) Connector Type: Male Pin Header Number of Pins: 40 Pins Mounting Type: Through Hole Current Rating: 3A Typical	Male Header • Pin Header • PCB Connector • Arduino Header • Breakaway Header • 2.54mm Header
No Image	EDM-00006-B	Headers	ED - Electronic Device	Molex, Harwin	90 degree (right angle) header pins designed for PCB mounting and board-to-wire or board-to-board connections in electronic circuits. These connectors allow horizontal cable attachment, making them ideal for compact PCB layouts, Arduino shields, embedded systems, and robotics applications.	Connector Type: Right Angle Pin Header (90°) Pin Pitch: 2.54mm (Standard) Pin Count: 1x1 to multi-pin strips	Pin Header • PCB Connector • 90 degree header • right angle header • Arduino header pins
No Image	EDM-00007-A	Female Headers	ED - Electronic Device	Samtec, Amphenol, Harwin, TE Connectivity, Molex	It is a 2x40 Pin Female Double Row Header Strip. It has two rows of 40 pins each. Ideal for through-hole mounting.	Pitch Size: 2.54mm (0.1 Inch) Connector Type: Female Header Socket Number of Pins: 40 Pins Mounting Type: Through Hole Current Rating: 3A Typical	PCB Connector • 2.54mm Header • Female Header • Socket Header • Arduino Connector • Female Pin Header
No Image	EDM-00008-A	Telephone Connector Adapter (Female)	ED - Electronic Device	Amphenol, TE Connectivity, Molex	RJ-11 4P4C female connector adapter designed for telephone communication interfaces, modular wiring systems, and embedded electronics applications. It allows easy plug-in connection for telephone cables, modem lines, and low-speed communication signals. Commonly used in landline telephone systems, DSL modems, intercom setups, IoT communication experiments, and electronics prototyping.	Connector Type: RJ-11 4P4C Female Jack Number of Contacts: 4 Pin (4P4C) Material: Thermoplastic Housing with Metal Contacts Rated Voltage: Low Voltage Signal (RJ11 connector • 4P4C female jack • telephone adapter • modular connector • communication jack
No Image	EDM-00009-A	PCB board	ED - Electronic Device	Bud Industries, Twin Industries, BusBoard Prototype Systems, Keystudio, Generic / OEM	High-quality 4x6 cm universal PCB prototype board designed for circuit prototyping and DIY electronics development. Manufactured using HASL surface finish and CNC-drilled through holes for reliable soldering and durability.	Item Type: PCB Prototype Board Dimensions: 4 × 6 cm Length: 60 mm Width: 40 mm Board Thickness: 1.6 mm Copper Thickness: 1–4 oz Minimum Hole Size: 0.3 mm Weight (Unit): 6 g Pack Quantity: 2 Pieces Shipping Weight: 0.01 kg Shipping Dimensions: 7 × 5 × 1 cm	Double-Sided PCB • 4x6 cm • FR4 • Prototype Board • 2.54mm Pitch • DIY Electronics
No Image	EDR-00001-100Z	Resistor - 100 Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	1. 100 ohm Carbon Film Resistors are typical axial-lead resistors, which have much better temperature stability and provide lower noise, and are generally better for high frequency or radiofrequency applications. 2. We made it available in the form of a bunch of different values as required for the project to provide convenience, so you need not find a differently required value resistor at different places while working on your project.	Series: – Resistance (Ohm): 100 Tolerance (%): 1 Power Rating: 250mW Composition: Metal Film Temperature Coefficient: +/-50ppm/°C Operating Temperature (°C): -40 ~ 150 Case/Package: Axial Length (mm): 6 Mounting Type: Through Hole Shipping Weight: 0.001 kg Shipping Dimensions: 1 × 1 × 1 cm	resistor • 100ohm • carbon film • passive component

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No Image	EDR-00001-10K0	Resistor - 10K Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	1.10K/100? Carbon Film Resistors are typical axial-lead resistors that offer good temperature stability and low noise performance. They are suitable for general-purpose electronic circuits, including high-frequency and RF applications. 2.These resistors are available in multiple values for project flexibility, eliminating the need to source different resistor values separately.	Power: 1/4 W Resistance: 100 ? Resistance Tolerance: 5% Type: Carbon Film Resistors	Through Hole • carbon film • 10k resistor • 0.25w • passive • axial
No Image	EDR-00001-1K00	Resistor - 1K Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	1K ohm Carbon Film Resistors are typical axial-lead resistors, which have much better temperature stability and provide lower noise, and are generally better for high frequency or radiofrequency applications.	Series: – Resistance (Ohm): 1k Tolerance (%): 1 Power Rating: 250mW Composition: Metal Film Temperature Coefficient: +/-50ppm/°C Operating Temperature (°C): -40 ~ 150 Case/Package: Axial Length (mm): 6 Mounting Type: Through Hole Shipping Weight: 0.001 kg Shipping Dimensions: 1 x 1 x 1 cm	carbon film • 0.25w • passive • 1k resistor
No Image	EDR-00001-1M00	Resistor - 1M Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	It is a 1M Ohm 0.25W Metal Film Resistor. This resistor is for through-hole applications.	Series: - Resistance (Ohm): 1M Tolerance (%): 1 Power Rating: 250mW Composition: Metal Film Temperature Coefficient: +/-50ppm/°C Operating Temperature (°C): -40 ~ 150 Case/Package: Axial Length (mm): 6 Mounting Type: Through Hole Shipping Weight: 0.001 kg Shipping Dimensions: 1 x 1 x 1 cm	0.25w • passive • 1m resistor • metal film
No Image	EDR-00001-220Z	Resistor - 220 Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	It is a 220 Ohm 0.25W Metal Film Resistor. This resistor is for through-hole applications.	Series: – Resistance (Ohm): 220 Tolerance (%): 1 Power Rating: 250mW Composition: Metal Film Temperature Coefficient: +/-50ppm/°C Operating Temperature (°C): -40 ~ 150 Case/Package: Axial Length (mm): 6 Mounting Type: Through Hole Shipping Weight: 0.001 kg Shipping Dimensions: 1 x 1 x 1 cm	
No Image	EDR-00001-330Z	Resistor - 330 Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	It is a 330 Ohm 0.25W Metal Film Resistor. This resistor is for through-hole applications.	Series: – Resistance (Ohm): 330 Tolerance (%): 1 Power Rating: 250mW Composition: Metal Film Temperature Coefficient: +/-50ppm/°C Operating Temperature (°C): -40 ~ 150 Case/Package: Axial Length (mm): 6 Mounting Type: Through Hole Shipping Weight: 0.001 kg Shipping Dimensions: 1 x 1 x 1 cm	
No Image	EDR-00001-470Z	Resistor - 470 Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	It is a 470 Ohm 0.25W Metal Film Resistor. This resistor is for through-hole applications.	Power: 1/4 W Resistance: 47k ? Resistance Tolerance: 5% Type: Carbon Film Resistors	resistor • carbon film • 0.25w • passive • axial • 470ohm
No Image	EDR-00001-680Z	Resistor - 680 Ohm	ED - Electronic Device	Yageo, Vishay, KOA Speer, TE Connectivity, Generic	It is a 680 Ohm 0.25W Metal Film Resistor. This resistor is for through-hole applications.	Series: – Resistance (Ohm): 680 Tolerance (%): 1 Power Rating: 250mW Composition: Metal Film Temperature Coefficient: +/-50ppm/°C Operating Temperature (°C): -40 ~ 150 Case/Package: Axial Length (mm): 6 Mounting Type: Through Hole Shipping Weight: 0.001 kg Shipping Dimensions: 1 x 1 x 1 cm	resistor • carbon film • 0.25w • passive • axial • 680ohm
No Image	EDR-00002-10K0	Potentiometer	ED - Electronic Device	ED Series / Generic Compatible, Bourns, Alpha, Omega	10KΩ rotary potentiometer used for adjusting voltage, current, and signal levels in electronic circuits. Features smooth single-turn rotation with a durable 15mm shaft and through-hole mounting. Ideal for audio control, Arduino analog input, sensor calibration, and embedded system tuning.	Manufacturer: Generic Resistance (Ohm): 10K Tolerance (%): 20 Temperature Coefficient: ±100ppm/°C Operating Temperature (°C): -40 to 80 Mounting Type: Through Hole Shaft Type: 15mm Rotary Shaft Adjustment Type: Single Turn Length (mm): 20 Width (mm): 17 (Body Diameter) Height (mm): 24 Weight (g): 6 Shipping Weight: 0.001 kg Shipping Dimensions (L x W x H): 1 x 1 x 1 cm	10K Potentiometer • Rotary Pot • Variable Resistor • WH148 Potentiometer • 3-Pin Pot
No Image	EDR-00002-20K0	Potentiometer	ED - Electronic Device	Bourns, Panasonic, Alps Alpine	20K? linear potentiometer designed for adjustable resistance control in electronic circuits, embedded systems, and analog signal applications. It provides smooth variable resistance output for controlling voltage levels, sensor calibration, audio control, and microcontroller analog input tuning.	Resistance Value: 20K? Type: Linear Potentiometer Tolerance: ±10% (typical) Power Rating: 0.1W – 0.5W Rotation Angle: ~270°	Rotary Pot • Variable Resistor • potentiometer • 20K ohm pot • linear potentiometer • analog control

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	EDS-00003-A	Temperature sensor Device	ED - Electronic Device	Maxim Integrated, Dallas Semiconductor, Adafruit, SparkFun	DS18B20 digital temperature sensor device designed for accurate temperature measurement in embedded systems, IoT applications, and electronics projects. It uses a One-Wire communication protocol, allowing multiple sensors to operate on a single data line for simplified wiring.	Sensor Type: Digital Temperature Sensor Communication: One-Wire Interface Operating Voltage: 3.0V – 5.5V Temperature Range: -55°C to +125°C	Temperature Sensor • digital sensor • DS18B20 • one wire sensor • Arduino temperature sensor
No Image	EDS-00004-A	Temperature sensor Module	ED - Electronic Device	Texas Instruments, National Semiconductor, STMicroelectronics	LM35 temperature sensor module designed for accurate analog temperature measurement in electronic circuits, embedded systems, and IoT applications. It provides a linear voltage output proportional to temperature in Celsius, making it easy to interface with microcontrollers like Arduino. Commonly used in weather monitoring systems, robotics, industrial temperature control, and educational electronics projects.	Sensor Type: Analog Temperature Sensor Output: Linear Analog Voltage (10mV/°C) Operating Voltage: 4V – 30V Temperature Range: 0°C to 100°C (typical)	Arduino Sensor • Temperature Sensor • analog sensor • LM35 • thermal sensor • IoT sensor
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-00001-A	Gas Sensor Device	ED - Electronic Device	N/A			
No Image	EDT-00001-B	Gas Sensor Device	ED - Electronic Device	Hanwei Electronics, Winsen	Gas sensor device designed for detecting alcohol vapors and ethanol concentration in the air. It is commonly used for breath alcohol detection systems, safety monitoring, and embedded IoT applications. The sensor provides analog output based on gas concentration, making it suitable for microcontroller-based systems like Arduino and Raspberry Pi.	Sensor Type: Alcohol / Ethanol Gas Sensor Target Gas: Ethanol (C ₂ H ₅ OH), Alcohol Vapors Operating Voltage: 5V DC Warm-up Time: 20–48 hours (initial), few minutes per use	alcohol sensor • Gas Detector • ethanol sensor • MQ-3 sensor • breath alcohol sensor
No Image	EDT-00001-C	Gas Sensor Device	ED - Electronic Device	Hanwei Electronics, Winsen, Figaro Engineering	Gas sensor device designed for detecting methane (CH ₄), CNG, and natural gas leaks in the environment. It is widely used in safety monitoring systems, industrial gas leak detection, smart home safety devices, and IoT-based gas monitoring applications. The sensor provides analog output proportional to gas concentration, making it suitable for microcontroller-based systems like Arduino and embedded controllers.	Sensor Type: Methane / CNG Gas Sensor Target Gas: CH ₄ (Methane), CNG, Natural Gas Operating Voltage: 5V DC Warm-up Time: 20–60 seconds Detection Range: ~200–10000 ppm (typical)	methane sensor • CNG sensor • MQ-4 sensor • gas leak detector • natural gas sensor

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	EDT-00001-D	Gas Sensor Device	ED - Electronic Device	Hanwei Electronics, Winsen, Figaro Engineering	Gas sensor device designed for detecting LPG, propane, butane, smoke, and natural gas leaks in air safety and monitoring applications. It is widely used in gas leakage detection systems, smart home safety devices, industrial safety alarms, and IoT-based environmental monitoring systems.	Sensor Type: LPG / Natural Gas Sensor Target Gas: LPG (Propane, Butane), Natural Gas, Smoke Operating Voltage: 5V DC Warm-up Time: 20–60 seconds Detection Range: ~200–10000 ppm (typical)	MQ-2 Sensor • LPG Sensor • Propane Sensor • gas leak detector • natural gas sensor
No Image	EDT-00001-E	Gas Sensor Device	ED - Electronic Device	Hanwei Electronics, Winsen, Figaro Engineering	Gas sensor device designed for detecting LPG (liquefied petroleum gas), butane, and propane gas leaks in safety and monitoring applications. It is commonly used in gas leakage alarm systems, smart home safety devices, industrial safety monitoring, and IoT-based gas detection projects. The sensor provides analog output proportional to gas concentration, allowing easy interfacing with microcontrollers such as Arduino and embedded systems.	Sensor Type: LPG / Butane Gas Sensor Target Gas: LPG, Butane, Propane Operating Voltage: 5V DC Warm-up Time: 20–60 seconds Detection Range: ~200–10000 ppm (typical)	LPG Sensor • Propane Sensor • Butane Sensor • gas leak detector • MQ-6 sensor
No Image	EDT-00001-F	Gas Sensor Device	ED - Electronic Device	Hanwei Electronics, Winsen, Figaro Engineering	Gas sensor device designed for detecting carbon monoxide (CO), a highly toxic and odorless gas commonly produced by incomplete combustion. It is widely used in safety monitoring systems, industrial environments, smart home safety devices, and IoT-based air quality applications.	Sensor Type: Carbon Monoxide (CO) Gas Sensor Target Gas: CO (Carbon Monoxide) Operating Voltage: 5V DC Warm-up Time: 20–48 hours initial, few minutes per cycle Detection Range: ~20–2000 ppm (typical)	Carbon Monoxide Sensor • CO Sensor • Gas Detector • MQ-7 sensor • toxic gas sensor
No Image	EDT-00001-G	Gas Sensor Device	ED - Electronic Device	Winsen, Hanwei Electronics	Air quality device designed for detecting and monitoring harmful gases and air pollution levels in the environment. It measures gases such as CO, CO?, smoke, LPG, methane, and other volatile compounds depending on the sensor type used. Commonly used in environmental monitoring systems, smart home automation, industrial safety systems, IoT air monitoring stations, and educational electronics projects.	Sensor Type: Multi-Gas Air Quality Sensor Device Detected Gases: CO, CO?, Smoke, LPG, Methane, VOCs Operating Voltage: 5V DC Warm-up Time: 20–60 seconds	gas sensor • air quality device • pollution detector • MQ sensor • air monitoring system
No Image	EDT-00002-A	Light Detecting Resistor Device	ED - Electronic Device	Advanced Photonix, Token Electronics, Excelitas Technologies, Luna Optoelectronics	Light sensitive resistor device used to detect light intensity by changing resistance according to surrounding light conditions.	Operating Voltage: 3.3V – 5V Sensor Type: Light Dependent Resistor Output Type: Analog Resistance Output Resistance Range: 200? – 1M? Response Time:	Light Sensor • analog sensor • LDR sensor • photoresistor • light dependent resistor
No Image	EDT-00003-A	Analog Piezoelectric Ceramic Device	ED - Electronic Device	Murata Manufacturing, SparkFun Electronics, Measurement Specialties, TE Connectivity	Analog piezoelectric ceramic device used for detecting vibration, knock, touch, pressure, and impact signals in embedded electronics and sensing applications.	Operating Voltage: 3.3V – 5V Output Type: Analog Voltage Output Sensor Type: Piezoelectric Ceramic Frequency Range: 1Hz – 10KHz	Knock Sensor • piezoelectric sensor • vibration sensor • analog sensor • ceramic sensor
No Image	EDT-00004-A	SpeaKers	ED - Electronic Device	CUI Devices, PUI Audio, Soberton, Visaton	Electronic audio output device used to convert electrical audio signals into sound in embedded systems, multimedia devices, alarms, robotics, and IoT projects.	Operating Voltage: 3V – 12V Speaker Type: Dynamic Speaker Impedance: 4? / 8? Power Rating: 0.5W – 3W Frequency Range: 300Hz – 20KHz	Sound Module • speaker • audio output • buzzer speaker • multimedia speaker • embedded audio device
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	EDT-00007-A	Flex Sensor	ED - Electronic Device	Spectra Symbol, SparkFun, Adafruit, Interlink Electronics, Generic	A simple Flex Sensor 2.2? – Bend Sensor with a length of 2.2? which bends and flexes with a physical device. As the sensor is flex, the resistance across the sensor increases. A connector is 0.1? spaced and breadboard friendly. The flex sensor is a bend detecting sensor that has got numerous applications in Robotics, Gaming (Virtual Motion), Medical Devices, Computer Peripherals, Musical Instruments, Physical Therapy... The resistance of these sensors changes in accordance with the bend, which can be measured using any microcontroller.	Bend Resistance: minimum 20K Ohms ±30% (@ 180° pinch bend) Flat Resistance: 10K Ohms ±30% Flex length: 2.2 inch (5.6 cm) Power: 0.5 Watts continuous Length: 7 cm	Electronics • flex sensor • bend sensor • sensor • analog • resistance • wearable

Image	Part Number	Name	Category	Manufacturer	Description	Specification	Tags
No Image	EDT-00008-A	Passive buzzer module without internal oscillator	ED - Electronic Device	CUI Devices, Keyestudio, Generic Electronics	The Passive Buzzer Module without Internal Oscillator is an electronic sound module that requires an external frequency or PWM signal to generate sound. Unlike active buzzers, passive buzzers do not produce sound automatically when power is applied. A microcontroller such as Arduino, ESP32, Raspberry Pi, or STM32 generates square wave signals of different frequencies to create tones, melodies, alarms, and music effects.	Product Type: Passive Buzzer Module Operating Voltage: 3.3V – 5V DC	Piezo Buzzer Module • Passive Buzzer Module • KY-006 Buzzer • Arduino Passive Buzzer
No Image	EDT-00009-A	Active buzzer module with internal oscillator	ED - Electronic Device	CUI Devices, Keyestudio, Generic Electronics	The Active Buzzer Module with Internal Oscillator is an electronic sound module that generates a fixed beep sound when power is applied. Unlike passive buzzers, active buzzers contain an internal oscillator circuit, so they do not require PWM or external frequency generation from a microcontroller.	Product Type: Active Buzzer Module Oscillator: Internal Operating Voltage: 3.3V – 5V DC Frequency: Approx. 2kHz – 4kHz	Arduino Buzzer • Active Buzzer Module • Self Oscillating Buzzer • 5V Buzzer Module • Piezo Buzzer Module