

Parts Export

Generated: 2026-01-28 22:32:00

Total Parts: 149

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
COC-00001-A	Binding Tape	CO - CO - Consumables	Scotch	-	Transparent Tape for Office and Home Use, 1", 72yr...	Tape, Binding	Published
COC-00001-B	Foam Tape	CO - CO - Consumables	Scotch	-	Permanent Mounting Tape, 1 Inch x 125 Inches (Scot...	Tape, Foam	Published
COC-00001-C	Masking Tape	CO - CO - Consumables	Scotch	-	Painter's Tape, Multi Surface, 1", 60 yds (Eqvt t...	Tape, Masking	Published
COC-00002-A	Corrugated Plastic Sheet White	CO - CO - Consumables	Impraboard	-	3mm,A2(27x15 in),	Plastic, Sheet, Corrugated	Published
COC-00003-A	Hot Glue stickS 7mm	CO - CO - Consumables	Artellius	-	4 inch 0.28in dia	Hot Glue, Refill	Published
COC-00003-B	Hot Glue stickS 11mm	CO - CO - Consumables	AdTech	-	10inch 0.42in dia	Hot Glue, Refill	Published
COC-00005-A	Post-its 3X3" 50PG BOOK	CO - CO - Consumables	-	-		Post-it, note, paper, booK	Published
COC-00007-A	Soldering Rosin Flux Paste Gel	CO - CO - Consumables	N/A	-			Published
COC-00008-A	Lead-free solder	CO - CO - Consumables	-	-		Refill, Solder	Published
COE-00001-A	Battery, 9VDC	CO - CO - Consumables	Duracell-Industrial	-	PP3 Pack, 9VDC, 625mAH	Battery, Voltage, Power, 9V	Published
COE-00001-B	Battery, AA	CO - CO - Consumables	Energizer-Industrial	-	AA type, Non-rechargeable 1.5VDC, 2000mAh	Battery, Voltage, Power, 1.5 V	Published
COE-00001-C	Battery, Coin cell	CO - CO - Consumables	Energizer-Industrial	-	CR2032, Lithium Battery 3VDC, 240mAh (20mm dia x 3...	Battery, Voltage, Power, Coin, 3V	Published
COE-00002-A	PVC Equipment Wire	CO - CO - Consumables	N/A	-	1/0.6mm		Published
COM-00001-A	3D Filament - 1.75mm, White	CO - CO - Consumables	Semoic	-	1.75mm, 1Kg, PLA, White	3D Printer, Filament 1.75mm, 1Kg, PLA	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
COM-00002-A	3D Filament - 2.85mm, White	CO - CO - Consumables	Gizmo DorkS	-	2.85mm, 1Kg, PLA, White	3D Printer, Filament 1.75mm, 1Kg, PLA	Published
EDA-00001-A	Jumper M-F	ED - ED - Electronic Devices	Alibaba	-	20cm male-female jumpers cables	Jumper, Wire, Male-Female	Published
EDA-00002-A	Alligator clips with test leads	ED - ED - Electronic Devices	ELEGOO	-	30 PCS Alligator Clip Test Leads Set with Alligato...	Alligator, Clips	Published
EDA-00003-A	6V AA battery holder	ED - ED - Electronic Devices	Uniquers	-	4-AA battery holder with DC jack	Battery, Power, Holder, AA	Published
EDA-00004-A	Arduino Uno Cable	ED - ED - Electronic Devices	Devbattles	-	USB Cable, 1.5 ft: USB A to B Programming Wire for...	Cable, Uno, Connector, USB	Published
EDA-00006-A	9V DC Jack	ED - ED - Electronic Devices	T&F Elec	-	9V DC Battery Power Cable Plug Clip Barrel Jack Co...	Battery, Power, Cable, DC Jack connector, 9 Volt, barrel	Published
EDD-00001-A	Laser Diode	ED - ED - Electronic Devices	HiLetgo	AN-044 Rev 1.0	5V 650nm 5mW Red Dot Laser Head Red Laser Diode	Laser, Diode, Light, Output	Published
EDD-00002-A	Red LED- 5mm Through-hole	ED - ED - Electronic Devices	CO RODE	-	Ultra Bright 5mm LED Light Emitting Diode Diffused...	Light, Output, Led	Published
EDD-00003-A	RGB LED- 5mm Through-hole (Common Cathode)	ED - ED - Electronic Devices	Chanzon	-	5mm RGB LED Diode Lights Tricolor	Light, Led, RGB, Device	Published
EDD-00003-B	RGB LED- 5mm Through-hole (Common Anode)	ED - ED - Electronic Devices	N/A	-		Light, Led, RGB, Device	Published
EDD-00004-A	7 Segment Display, 1 digit device (Common Cathode)	ED - ED - Electronic Devices	N/A	AN-021 Rev 1.0	1-Digit, 7-Segm Display Device	7 Segment, Digit, Display, Module	Published
EDK-00001-A	Electrolytic capacitor set	ED - ED - Electronic Devices	MCIGICM	-	120pcs/12 Values 0.22uF-470uF Electrolytic Capacit...	Capacitor, set, electrolytic	Published
EDK-00002-A	Ceramic capacitor set	ED - ED - Electronic Devices	OaK-Pine	-	300pcs/30 Values 2pf-0.1uF Ceramic Capacitor Set	Capacitor, set, ceramic	Published
EDK-00003-A	TO-92 transistors Kit	ED - ED - Electronic Devices	Yosoo	-	NPN PNP TransistorS/15 TYPES/ TO-92 Kit Set	Transistor, Kit	Published
EDK-00004-A	0.25W Resistor Kit	ED - ED - Electronic Devices	DEYUE	-	0 ? to 1 Mega Ohm Resistors Assortment Kit of 1 Pe...	Kit, Resistor	Published
EDM-00001-A	Large push buttons w/color cap	ED - ED - Electronic Devices	TWTADE	AN-024 Rev 1.0	12x12x7.3 mm Tactile Push Button Momentary Switch...	Switch, Push Button, Cap, Tactile	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EDM-00002-A	Power switch (on/off)	ED - ED - Electronic Devices	KEYAN	-	SPST On/Off Mini Boat Rocker Switch AC 6A/250V 10A...	Power, Switch, Rocker, SPST	Published
EDM-00002-B	Power switch (on/off)	ED - ED - Electronic Devices	N/A	-	DPDT On/Off Mini Boat Rocker Switch AC 6A/250V 10A...	Power, Switch, Rocker, DPDT	Published
EDM-00003-A	Double Pole Double Throw (DPDT) Toggle Switch	ED - ED - Electronic Devices	N/A	-		Switch, DPDT, Toggle, Pole, Double	Published
EDM-00004-A	Alligator clips without test leads	ED - ED - Electronic Devices	N/A	-			Published
EDM-00005-A	Half-size breadboard (8.5cm x 5.5cm, 400pt)	ED - ED - Electronic Devices	Digilent	-	Breadboard for constructing small circuits Self-ad...	Breadboard, Half-sized	Published
EDM-00005-B	Breadboard Mini(3.5 cm x 4.2cm, 170pt)	ED - ED - Electronic Devices	N/A	-		Breadboard, Mini	Published
EDM-00005-C	Full-size breadboard (16.5cm x 5.4cm ,830pt)	ED - ED - Electronic Devices	N/A	-		Breadboard, Full-size	Published
EDM-00006-A	Male Headers	ED - ED - Electronic Devices	Hotop	-	Single Row 40 Pin 2.54 mm Male Pin Header Connecto...	Male, Header, Pin, Connector	Published
EDM-00006-B	90 degree Headers	ED - ED - Electronic Devices	uxcell	-	2.54mm Spacing 40P Right Angle Male PCB Pin Header...	Male, Header, Pin, Connector, 90 degree	Published
EDM-00007-A	Female Headers	ED - ED - Electronic Devices	Haobase	-	40 Pin 2.54mm Pitch Straight Single Row PCB Female...	Header, Pin, Connector, Female	Published
EDM-00008-A	4P4C RJ-11 Telephone Connector Adapter (Female)	ED - ED - Electronic Devices	N/A		Jack Modular Connector 4p4c (4 Position- 4 Connect...	Phone connector, RJ, 4p4c	Published
EDM-00009-A	FR-4 Double Side Dot Matrix PCB - 4x6cm	ED - ED - Electronic Devices	N/A		High Quality FR-4 Glass Fiber Dot Matrix Double Si...	bread board, prototype board, proto board	Published
EDR-00001-100Z	0.25W Resistor - 100 Ohm	ED - ED - Electronic Devices	GW	-	Through hole axial resistor 1/4W 1% 100 Ohm	Resistor, 100, Ohm	Published
EDR-00001-1K00	0.25W Resistor - 1K Ohm	ED - ED - Electronic Devices	GW	-	Through hole axial resistor 1/4W 1% 1000 Ohm	Resistor, Ohm, 1K	Published
EDR-00001-330Z	0.25W Resistor - 330 Ohm	ED - ED - Electronic Devices	GW	-	Through hole axial resistor 1/4W 1% 330 Ohm	Resistor, Ohm, 330	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EDR-00001-680Z	0.25W Resistor - 680 Ohm	ED - ED - Electronic Devices	GW	-	Through hole axial resistor 1/4W 1% 680 Ohm	Resistor, Ohm, 680	Published
EDR-00002-20K0	Potentiometer (20KOhm, linear)	ED - ED - Electronic Devices	uxcell	AN-026 Rev 1.0	Linear Type 3 Terminals Rotary Taper Potentiometer...	Resistor, Pontetiometer, Variable	Published
EDS-00004-A	Temperature sensor Module -LM35	ED - ED - Electronic Devices	N/A	AN-017 Rev 1.0	LM35	temperature sensor, analog, to-92, LM 35, chip	Published
EDT-00001-A	Gas Sensor Device- Methane, Butane, LPG, SmoKe	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-2 Household or factory gas leaKage monitoring d...	Gas, Sensor, Methane, Butane, LPG, SmoKe	Published
EDT-00001-B	Gas Sensor Device- Alcohol, Ethanol, SmoKe	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-3 Alcohol Detector Ethanol Gas Detection Sensor	Gas, Sensor, SmoKe, Alcohol, Ethanole	Published
EDT-00001-C	Gas Sensor Device- Methane, CNG Gas	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-4 Methane and Natural Gas (CNG) Analog Sensor	Gas, Sensor, Methane, CNG	Published
EDT-00001-D	Gas Sensor Device- Natural gas, LPG	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-5 Natural Gas and LPG Analog Sensor	Gas, Sensor, LPG, Natural Gas	Published
EDT-00001-E	Gas Sensor Device- LPG, butane	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-6 LPG Natural Gas Propane Methane Butane Sensor	Gas, Sensor, Butane, LPG	Published
EDT-00001-F	Gas Sensor Device- Carbon Monoxide	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-7 Carbon Monoxide (CO) Gas Sensor -	Gas, Sensor, Carbon Monoxide	Published
EDT-00001-G	Gas Sensor Device- Air Quality	ED - ED - Electronic Devices	N/A	AN-013 Rev 1.0	MQ-135 Ammonia and Nitrous Oxide Analog Sensor	Gas, Sensor, Air Quality	Published
EDT-00002-A	Light Detecting Resistor Device	ED - ED - Electronic Devices	N/A	-		Light, Resistor, Sensor, LDR, Detection, Intensity	Published
EDT-00004-A	SpeaKers (pair)	ED - ED - Electronic Devices	AIYIMA	-		Sound, SpeaKer	Published
EDT-00005-A	Humidity Sensor Device	ED - ED - Electronic Devices	N/A	AN-009 Rev 1.0	DHT11 Temperature and Humidity Sensor	Module, Sensor, humidity, moisture, relative, RH, DH11, temperature	Published
EDT-00006-A	Force Sensor -ROUND	ED - ED - Electronic Devices	Bolsen Tech	AN-019 Rev 1.0	FSR402 0.5 inch Pressure Sensor Resistance Stress...	Resistor, Force, pressure, stress, test, FSR402	Published
EDT-00007-A	Flex Sensor 2.2"	ED - ED - Electronic Devices	SPECTRA SYMBOL	AN-034 Rev 1.0	Flex 2.2" Bend Sensors	Sensor, Flex, Bend	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EDT-00008-A	Passive buzzer module without internal oscillator	ED - ED - Electronic Devices	Henanxi	AN-001 Rev 1.0	Passive Buzzer Alarm Module Sensor (MH-FMD)	Device, Sound, Buzzer, Passive, Alarm	Published
EMA-00001-A	I2C LCD 16x2	EM - EM - Electronic-Electrical Modules	HiLetgo	AN-002 Rev 1.0	LCD Display with IIC I2C TWI SPI Serial Interface...	Display, I2C, LCD	Published
EMA-00002-A	SSD1306 0.96 inch I2C OLED display	EM - EM - Electronic-Electrical Modules	N/A	-			Published
EMA-00003-A	Programmable RGB 60 LED strip	EM - EM - Electronic-Electrical Modules	Lamijua	-	WS2812B RGB Led Strip 5050 LEDs 1m 60 LEDs Individ...	Light, Led, RGG, LED Strip, Strip	Published
EMA-00003-B	Programmable RGB-LED WS2812B 8 LED bar	EM - EM - Electronic-Electrical Modules	Adafruit	AN-046 Rev 1.0	NeoPixel SticK for Arduino- 8 x WS2812 5050 RGB LE...	Light, Led, RGG, LED Bar, Bar	Published
EMA-00003-C	CJMCU WS2812 RGB LED BreakOut Module (Black)	EM - EM - Electronic-Electrical Modules	N/A	AN-046 Rev 1.0		Light, Led, Neopixel, Single	Published
EMA-00003-D	RGB LED Ring 12x	EM - EM - Electronic-Electrical Modules	N/A	AN-046 Rev 1.0	WS2812 5050 NeoPixel Module	Light, Led, Neopixel, Ring	Published
EMA-00003-E	CJMCU 8x8 64 Bit WS2812 5050 RGB LED Driver Development Module Board	EM - EM - Electronic-Electrical Modules	N/A	AN-046 Rev 1.0			Published
EMA-00004-B	8x8 Single Colour LED Dot Matrix Display without driver	EM - EM - Electronic-Electrical Modules	Wangdd22	AN-038 Rev 1.0	Dot Matrix Display LED Matrix Module	Led, Red, Matrix, Led Matrix, 8x8	Published
EMA-00005-A	2x3W (stereo) mini digital amplifier board	EM - EM - Electronic-Electrical Modules	Chironal	-	PAM8403 mini 5V digital amplifier board with switc...	Sound, Stereo, Amplifier, Board	Published
EMA-00006-A	Buzzer module with drive input	EM - EM - Electronic-Electrical Modules	Henanxi	AN-001 Rev 1.0	Passive Buzzer Alarm Module Sensor (MH-FMD)	Module, Sound, Buzzer, Passive, Alarm	Published
EMA-00007-A	7 Segment Display, 4 digit module	EM - EM - Electronic-Electrical Modules	HLetgo	AN-022 Rev 1.0	4-Digit 0.36" LED 7-Segm Display Module with TM163...	7 Segment, Digit, Display, Module	Published
EMA-00008-A	1 Channel Relay module	EM - EM - Electronic-Electrical Modules	Chenbo	AN-035 Rev 1.0	5V 1 Channel Relay Module Board Shield for ARM PIC...	Voltage, Power, Module, Relay	Published
EMA-00009-A	ISD1820 Sound recorder module w/speaKer	EM - EM - Electronic-Electrical Modules	Semionic	AN-045 Rev 1.0	Mic Voice Sound Playback Board Recording Recorder...	SpeaKer, Sound recorder playback. microphone, KY 001, DS18B20	Published
EMA-00010-A	L298N 2 Channel Motor Driver	EM - EM - Electronic-Electrical Modules	GW	-		Motor Driver, 2 Channel, L298N, Motion, Rotation	Published
EMA-00010-B	L9110s 2 Channel Motor Driver	EM - EM - Electronic-Electrical Modules	GW	AN-043 Rev 1.0		Motor Driver, 2 Channel, Motion, Rotation, L9110s	Published
EMA-00010-C	L293D Motor Driver	EM - EM - Electronic-Electrical Modules	N/A	-		Motor Driver, Motion, Rotation, L293D	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EMC-00001-A	RF 433/315 MHz Transmitter and Receiver Module Kit	EM - EM - Electronic-Electrical Modules	UCEC	AN-029 Rev 1.0	XY-FST 315Mhz Rf Transmitter and Receiver Module L...	Module, Radio, Communication, Frequency, Transmitter, Receiver	Published
EMC-00002-A	ESP8266 wifi module	EM - EM - Electronic-Electrical Modules	MaKerFocus	-	ESP8266 ESP-01 Serial Wireless WiFi Transceiver Re...	Module, Communication, Wifi, Wirelss	Published
EMC-00003-A	NodeMcu ESP8266 Module	EM - EM - Electronic-Electrical Modules	N/A	AN-028 Rev 1.0	LoLin NodeMCU V3	Module, Communication, Wifi, Wirelss	Published
EMC-00004-A	Bluetooth module HC 05	EM - EM - Electronic-Electrical Modules	SenMod	AN-023 Rev 1.0	Wireless Bluetooth Receiver RF Transceiver Module...	Module, Communication, Bluetooth, Wireless	Published
EMC-00005-A	RFID READER MODULE	EM - EM - Electronic-Electrical Modules	NOYITO	AN-011 Rev 1.0	RC522 RFID RF IC Card Inductive Module with S50 Wh...	Kit, Communication, RFID	Published
EMC-00006-A	GSM-GPRS Module (SIM800L)	EM - EM - Electronic-Electrical Modules	ATIMOSOS	AN-027 Rev 1.0	GPRS GSM Module MicroSIM Card Core BOard Quad-band...	Radio, Communication, Wireless, GPRS, GSM, Mobile, 2G, 3G	Published
EMC-00008-B	IR Remote Keypad Transmitter module	EM - EM - Electronic-Electrical Modules	DAOKI	AN-042 Rev 1.0	IR Infrared Wireless Remote Control Kits Sensor Bo...	Module, Wireless, IR, Infrared, Remote, Controller	Published
EMP-00001-A	9V wall power supply	EM - EM - Electronic-Electrical Modules	BV USA	-	9V 1A Power Adapter for Arduino (2-Flat-Pin Plug /...	Voltage, Power, 9V, Wall, Supply	Published
EMP-00001-B	5V wall power supply Adapter	EM - EM - Electronic-Electrical Modules	N/A	-		Power, Wall, Supply, 5V, Adaptrt	Published
EMP-00001-C	12V wall power supply Adapter	EM - EM - Electronic-Electrical Modules	N/A	-		Power, Wall, Supply, Adaptrt, 12V	Published
EMS-00001-A	tiny rtc i2c module	EM - EM - Electronic-Electrical Modules	N/A	-			Published
EMS-00003-A	Accelerometer module GY 521	EM - EM - Electronic-Electrical Modules	AoKin	-	GY-521 MPU-6050 MPU6050 Module Kit,6 DOF MPU-6050...	Module, Accelerometer, GY 521 MPU 6050 3 axis, gyroscope	Published
EMS-00004-A	Sound Level Sensor Module (Red)	EM - EM - Electronic-Electrical Modules	DAOKI	AN-015 Rev 1.0	High Sensitivity Sound Microphone Sensor Detection...	Detection, Sound sensor, analog out, level, microphone	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EMS-00004-B	Sound Detector Module (Blue)	EM - EM - Electronic-Electrical Modules	uxcell	AN-014 Rev 1.0	Microphone Sound Sensor Voice Detection Module wit...	Intensity, pressure, level, microphone, Sound detector, binary out	Published
EMS-00004-C	MAX4466 Electret Microphone	EM - EM - Electronic-Electrical Modules	N/A	AN-015 Rev 1.0	Pre Amplifier Module Adjustable Gain 2.4-5V DC	Module, Sensor, Sound, microphone, Electret	Published
EMS-00005-A	Ultrasonic Sensor	EM - EM - Electronic-Electrical Modules	SunFounder	AN-007 Rev 1.0	Ultrasonic Module HC-SR04 Distance Sensor	Sound, ultra sonic, distance sensor, HC SR04, echo	Published
EMS-00006-A	PIR Motion Sensor	EM - EM - Electronic-Electrical Modules	HiLetgo	AN-033 Rev 1.0	HC-SR501 PIR Infrared Sensor Human Body Infrared M...	Motion, Infrared, infra red, PIR, HC SR501	Published
EMS-00007-A	Temperature sensor Module - DS18B20	EM - EM - Electronic-Electrical Modules	Partstower	AN-016 Rev 1.0	KY-001 DS18B20 Sensor Temperature Measurement Modu...	Module, Dallas temperature sensor DS18B20, digital, one wire, 1	Published
EMS-00008-A	Metal touch sensor	EM - EM - Electronic-Electrical Modules	ILS	AN-036 Rev 1.0	KY-036 Metal Touch Switch Sensor Module Human Touc...	Module, metal touch sensor, human, capacitance	Published
EMS-00009-A	Heart Pulse Rate Sensor	EM - EM - Electronic-Electrical Modules	Asiawill	AN-040 Rev 1.0	Heart Rate Pulse Sensor Sensor Module	heart pulse rate sensor, infrared blood flow oxygen	Published
EMS-00010-A	MQ-2 Gas Sensor Module-Methane, Butane, LPG, SmoKe	EM - EM - Electronic-Electrical Modules	BONATECH	AN-012 Rev 1.0	MQ-2 Household or factory gas leakAge monitoring d...	Gas, Sensor, Methane, Butane, LPG, SmoKe	Published
EMS-00010-B	MQ-3 Gas Sensor Module-Alcohol, Ethanol, SmoKe	EM - EM - Electronic-Electrical Modules	BONATECH	AN-012 Rev 1.0	MQ-3 Alcohol Detector Ethanol Gas Detection Sensor	Gas, Sensor, SmoKe, Alcohol, Ethanole	Published
EMS-00010-C	MQ-4 Gas Sensor Module-Methane, CNG Gas	EM - EM - Electronic-Electrical Modules	BONATECH	AN-012 Rev 1.0	MQ-4 Methane and Natural Gas (CNG) Analog Sensor	Gas, Sensor, Methane, CNG	Published
EMS-00011-A	GPS module	EM - EM - Electronic-Electrical Modules	Comidox	AN-030 Rev 1.0	GY-GPS6MV1 NEO-6M GPS Module Flight Control Module...	Module, Wireless, GPS, Positioning	Published
EMS-00012-A	Color Sensor	EM - EM - Electronic-Electrical Modules	KNACRO	AN-008 Rev 1.0	TCS-230/ TCS3200 RGB Light Color Sensor Colour Rec...	Light, RGB, Sensor, Color	Published
EMS-00012-B	Color Sensor	EM - EM - Electronic-Electrical Modules	N/A	-		Light, RGB, Sensor, Color	Published
EMS-00013-A	IR Obstacle Avoidance Detector module	EM - EM - Electronic-Electrical Modules	GiKfun	AN-003 Rev 1.0	Obstacle avoidance IR Infrared Sensor Module Refle...	Light, Module, IR, Infrared, Detector, Obstacle	Published
EMS-00014-A	Touch sensor	EM - EM - Electronic-Electrical Modules	HiLetgo	AN-006 Rev 1.0	TTP223B Capacitive Touch Switch Module Touch Senso...	Module, Sensor, Touch, Capacitive	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EMS-00015-A	Touch keyboard TTP229 16 keys capacitive	EM - EM - Electronic-Electrical Modules	ARCELI	AN-047 Rev 1.0	TTP229 2.4V-5.5V 16 Channel Digital Capacitive Swi...	Module, Touch, Capacitive, Keypad	Published
EMS-00016-A	Water Flow Sensor YF-G1	EM - EM - Electronic-Electrical Modules	Keenso	AN-037 Rev 1.0	WorkIng Range: 2-100L/min Water Pressure: < 2.0 M...	Sensor, Water, Flow	Published
EMS-00016-B	Water Flow Sensor YF-S401	EM - EM - Electronic-Electrical Modules	N/A	AN-037 Rev 1.0	WorkIng Range: 0.3 - 6 L/min Water Pressure: < 0....		Published
EMS-00017-A	Light Detecting Resistor-LDR Module	EM - EM - Electronic-Electrical Modules	uxcell	AN-010 Rev 1.0	Light Intensity Detection Sensor Photoresistor Mod...	Light, Resistor, Sensor, LDR, Detection, Intensity	Published
EMS-00018-A	Water Level Sensor	EM - EM - Electronic-Electrical Modules	DAOKI	AN-018 Rev 1.0	Water Level Sensor Module Depth of Detection Liqui...	Module, Sensor, level, Water	Published
EMS-00019-A	Soil Moisture Sensor	EM - EM - Electronic-Electrical Modules	JIUWU	AN-020 Rev 1.0	Sensitivity Adjustable Soil Moisture Sensor Hygrom...	Sensor, moisture, Soil	Published
EMS-00020-A	Joystick Module	EM - EM - Electronic-Electrical Modules	LDCRE	AN-004 Rev 1.0	Dual-axis XY Joystick Module KY-Q23 for arduino	Module, Controller, Joystick	Published
EMS-00021-A	SW-520D Tilt Sensor	EM - EM - Electronic-Electrical Modules	N/A	AN-032 Rev 1.0		Module, Sensor, Motion, Tilt	Published
EMS-00022-A	Analog Piezoelectric Ceramic Vibration Module	EM - EM - Electronic-Electrical Modules	https://my.cytron.io/p-analog-piezoelectric-ceramic-vibration-module?r=1&gclid=EAlaIqobChMIu5u6y8me6QIVz34rCh0uYAuMEAQYBCABEgLiWvD_BwE	AN-041 Rev 1.0	Ks0272	Module, Sensor, EMS, Vibration	Published
EMS-00023-A	SW-420 Alarm Vibration Sensor Module	EM - EM - Electronic-Electrical Modules	N/A	-			Published
EMS-00024-A	Rain Sensor Module	EM - EM - Electronic-Electrical Modules	N/A	AN-031 Rev 1.0		Module, Sensor, level, Water	Published
EMS-00025-A	Encoder Sensor Module	EM - EM - Electronic-Electrical Modules	https://my.cytron.io/p-encoder-sensor-module?r=1&gclid=EAlaIqobChMI26CC0NXf6QIVCA4rCh3E6A69EAQYASABEgLiWvD_BwE	-	Operating Voltage: 3.3V to 5VDC Slot width: 5mm...	Encoder	Published
EMX-00001-A	Arduino Uno R3	EM - EM - Electronic-Electrical Modules	ARDUINO	-	Development Board, Kit Microcontroller Card & USB...	Uno, Arduino, Microcontroller, R3	Published
EQE-00001-A	Digital vernier caliper	EQ - EQ - Equipment/Instrument	TackLife	-	0-6 inches Vernier Caliper with Large LCD Screen,...	digital, Measurement, Vernier, Caliper	Published
EQE-00002-A	Digital Multimeter	EQ - EQ - Equipment/Instrument	Thsinde	-	Auto Ranging Digital Multimeter TRMS 6000 with Bat...	Voltage, digital, Measurement, Resistance, Current, Multimeter	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
EQM-00001-A	3D Printer, Cetus MK3	EQ - EQ - Equipment/Instrument	TierTime	-	Build Volume 7" x 7" x 7",Support a Large Variety...	3D Printer, 3D printing, Cetus, MK3	Published
MMC-00003-A	N20 34mm wheels	MM - MM - Mechanical Modules	ILS	-	34mm Wheels for N20 Motor Arduino Smart Robot Car	Motion, Rotation, Wheels, Rubber, Car	Published
MMC-00003-B	Rubber wheels (DC motor)	MM - MM - Mechanical Modules	AutoEC	-	Plastic Toy Car Tire Wheel, Mini ?67mm Smart RC Ca...	Motion, Rotation, Wheels, Rubber, Car	Published
MMC-00004-A	1" castor wheel	MM - MM - Mechanical Modules	SungMi	-	1" White Plastic Wheel Top Plate Fixed Caster Set	Motion, Rotation, Rubber, Car, Castor	Published
MMD-00001-A	DC motor (w/gear train)	MM - MM - Mechanical Modules	Cylewet	-	DC Electric Motor 3-6V Dual Shaft Geared TT Magnet...	Motion, Rotation, DC, Motor, TT	Published
MMD-00002-A	MG995 360°High Speed Torque Metal Gear Servo Motor	MM - MM - Mechanical Modules	-	AN-005 Rev 1.0		Motion, Rotation, Servo	Published
MMD-00002-B	SG90 9g Micro Servo System Gear Motor Kit, 180 Degree	MM - MM - Mechanical Modules	GW	AN-005 Rev 1.0		Motion, Rotation, Servo, SG90	Published
MMD-00003-A	N20 Micro gear motor	MM - MM - Mechanical Modules	Greartisan	-	DC 6V 100RPM N20 High Torque Speed Reduction Motor...	Motion, Rotation, DC, Motor, Micro gear	Published
MMD-00004-A	Vibrating Motor	MM - MM - Mechanical Modules	-	-		Motion, Rotation, Vibration, DC, Motor	Published
MMP-00001-A	Spacers	MM - MM - Mechanical Modules	-	-		Spacer, Fastener	Published
MMP-00002-A	Nuts	MM - MM - Mechanical Modules	-	-		Fastener, Nuts	Published
MMP-00003-A	Screws - M3 x 5mm	MM - MM - Mechanical Modules	SCREW-KIT	-		Screw, M3, 5mm	Published
MMP-00004-A	Brass standoffs set (60pcs + 60 screws + 60 nuts)	MM - MM - Mechanical Modules	-	-		set, Screw, Standoff, Nut	Published
TLC-00001-A	Cutting mat A2	TL - TL - Tools	-	-		Board, Cutting, Mat, A2	Published
TLC-00002-A	Cutter Knife	TL - TL - Tools	-	-		Cutting, Cutter, Knife	Published
TLC-00003-A	60cm steel ruler	TL - TL - Tools	-	-		60mm, steel, ruler measurement	Published

Part Number	Name	Category	Manufacturer	Description	Specification	Learning Objectives	Status
TLC-00006-A	Brass Wool Solder Tip Cleaner	TL - TL - Tools	N/A	-			Published
TLC-00007-A	Desoldering Pump Solder SuckKer	TL - TL - Tools	N/A	-			Published
TLK-00001-A	PRO'S KIT Professional Tool Kit	TL - TL - Tools	Pro's Kit	-		Tool Kit	Published
TLK-00002-A	Hot Pro'sKit 8PK-2061 6PCS Precision Screwdriver Set Cross Screwdriver	TL - TL - Tools	N/A	-			Published
TLM-00001-A	PCB Helping Hand	TL - TL - Tools	NeilKo	-	Adjustable Helping Hand With Magnifying Glass Du...	PCB, Helping hand, Magnifying, Glass	Published
TLM-00002-A	Micro Diagonal Cable Cutter	TL - TL - Tools	N/A	-			Published
TLM-00003-A	Microfix Spring Clamp	TL - TL - Tools	N/A	-			Published
TLM-00004-A	HackSaw blades for metal	TL - TL - Tools	NEWACALOX	-		HackSaw, blade, metal	Published
TLM-00004-B	HackSaw blades for wood	TL - TL - Tools	NEWACALOX	-		HackSaw, blade, wood	Published
TLM-00004-C	Mini hackSaw	TL - TL - Tools	NEWACALOX	-		Mini, HackSaw	Published
TLP-00001-A	30W Glue Gun 7mm	TL - TL - Tools	NEWACALOX	-		Tool, Glue Gun, Adhesive	Published
TLP-00002-A	Electric Soldering Iron Welding Tool	TL - TL - Tools	N/A	-	AC 220V-240V 30W		Published
TLP-00003-A	Soldering Iron Stand Holder	TL - TL - Tools	N/A	-			Published