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Transducer, Sounder, 3V to 30V, 70dB

57AJ6073

Description

The product is a Piezoelectric Sounder with 2kHz sound frequency. Externally driven piezoelectric sounder is used in digital watches, electronic calculators, telephones and other equipment. It is driven by a signal (2048 or 4096Hz) from an LSI and provide melodious sound.

Features

• Pin type lead shape
• External drive type
• Low power consumption
• No contacts therefore, no noise and highly reliable

Specifications

Transducer Function	: Sounder
Supply Voltage	: 3V to 30V
Sound Level SPL	: 70dB
Sound Level Distance	: 10cm
Resonant Frequency	: 2kHz

Battery Holder, PP3 (9V) × 1, Strap, Wire Leads

99F9979

Description

The product is a snap-on Strap suitable for 9V battery.

Features

• Vinyl material
• Nickel-plated brass contacts
• 8" lead

Specifications

Battery Sizes Accepted	: PP3 (9V)
No. of Batteries	: 1
Battery Holder Mount	: Strap

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Breadboard, Solderless, ABS (Acrylonitrile Butadiene Styrene), 8.5mm, 165mm × 56mm
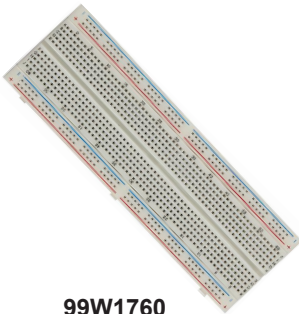
99W1760

Description

The product is a s a 56 × 165mm solderless ABS Prototyping Board with 2.54mm pitch and 7 to 8mm strip length. This board features 630-tie-point terminal strip, 200 distribution strip and accepts 29 to 20AWG wire range.

Features

- 300V/3 to 5A electrical ratings
- 1000VAC for one minute Withstanding Voltage
- 500MΩ/DC500V Insulation resistance

Specifications

Breadboard Type	: Solderless Breadboard
Total Number of Tie Points	: 830 Tie Points
No. of Distribution Strips/Buses	: 2 Bus Strips
No. of Terminal Strips	: 1 Terminal Strip
Board Dimensions (L × W)	: 165mm (6.5") × 56mm (2.2")

Gear Stepper Motor Driver Pack Board
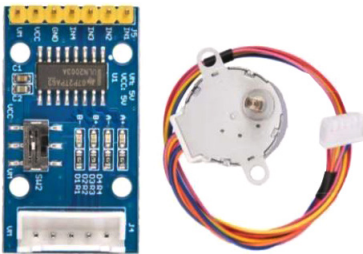
78AH3472

Description

The Gear Stepper Motor Driver Pack includes a stepper motor and a motor drive board. It's a four-phase eight-stepping stepper motor, and you can easily control this stepper motor via the drive board. You can use this pack for position control.

The Stepper Motor Driver in the pack is one of the most classic ones of the whole series and this standard device has proven ubiquity and versatility across a wide range of applications, including solenoids, relays, lamps, small motors, LEDs and etc. What's more, it can operate over a wide temperature range (about - 40°C to 105°C)

Features

- Four-phase eight-stepping stepper motor
- High-Voltage, High-Current Darlington Transistor Arrays
- Launch from LEDs to desk printers
- Compact size for easy deployment
- Work under the condition of a long-range temperature (- 40°C to 105°C)
- includes both a stepper motor and a motor drive board in the pack

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Assortments & Kits

Premium Female/Male Extension Jumper Wires, 40 × 6″ (150mm)

88W2802

Description

Female to male jumper wires are useful for making wire harnesses or jumping between headers on circuit boards. These jumper wires come in a 40-pin ribbon cable that can be pulled apart to make individual jumpers or kept together for a organized wiring harness.
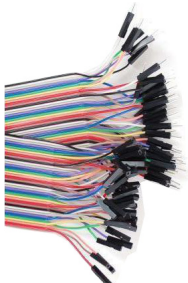
Features

- 0.1″ sockets on either end and fit cleanly next to each other on standard-pitch 0.1″ header
- Each wire is 28AWG (7 strands at 36AWG)
- Length: 6″

Specifications

Wire Gauge	: 28AWG
Jacket Colour	: Multi-coloured
Kit Contents	: 40 × 150mm Female / Male Jumper Wires

Premium Male/Male Jumper Wires, 40 x 3″ (75mm)

88W2571

Description

Male to male jumper wires are useful for making wire harnesses or jumping between headers on circuit boards. These jumper wires come in a 40-pin ribbon cable that can be pulled apart to make individual jumpers or kept together for a organized wiring harness.

Features

- 0.1″ sockets on either end and fit cleanly next to each other on standard-pitch 0.1″ header
- Each wire is 28AWG (7 strands at 36AWG)
- Length: 3″

Specifications

Wire Gauge	: 28AWG
Jacket Colour	: Multi-coloured
Kit Contents	: 40 × 75mm Male / Male Jumper Wires

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Assortments & Kits

Character LCD 16X2 Display Gadgeteer Platform Evaluation Expansion Board

81AH8644

Description

This is a great I2C 16x2 LCD display compatible with Gadgeteer modules. With limited pin resources, your project will quicly run out of resources using normal LCDs. With this I2C interface LCD module, you only need 2 lines (I2C)to display the information.If you already have I2C devices in your project, this LCD module actually cost no more resources at all. The address can be set from 0x20-0x27. Fantastic for Arduino or gadgeteer based projects.

Features

- I2C Address:0x20-0x27(0x20 default)
- Back lit (Blue with white char color)
- Supply voltage: 5V
- Interface:I2C/TWI x1,Gadgeteer interface x2
- Adjustable contrast
- Size:82x35x18 mm

Plastic Enclosure, Utilibox Style A, Recessed Lid, Utility Box, ABS, 60.2mm×117mm×117mm

06M4580

Specifications

Enclosure Type	: Utility Box
Enclosure Material	: ABS
External Height	: 60.2mm (2.37")
External Width	: 117mm (4.6")
External Depth	: 117mm (4.6")
Body Colour	: Black

5V Trigger Relay Module For Arduino And Raspberry Pi

33AC0092

Specifications

For Use With	: Arduino, Raspberry Pi
Kit Contents	: Trigger Relay Module

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Assortments & Kits

Quick Disconnect Terminal, Female Quick Disconnect, 4.75mm × 0.51mm

97C6429

Features

- Glow-wire compliant
- Accommodates multiple standard tab sizes
- Provides flexibility for a wide variety of applications
- Ensures optimum safety from electric shock
- UL94V-2 Flammability rating
- 600V Maximum voltage
- -65 to +105°C Operating temperature range

Specifications

Terminal Type	: Female Quick Disconnect
Tab Size	: 4.75mm (0.187″) × 0.51mm (0.02″)
Wire Size AWG	: 22AWG to 18AWG
Insulator Colour	: Red
Conductor Area CSA	: 0.8mm²
Insulator Material	: Nylon 6.6 (Polyamide 6.6)
Terminal Material	: Brass

Rocker Switch, Non Illuminated, SPST, On-Off, Black, Panel Mount, 16A

89C8962

Description

The product is a single-pole single-throw (SPST) panel mount power Rocker Switch with on-off operating function. The power rocker switch features black actuator and silver-plated contacts.

Features

- 13.0 x 19.2mm Panel cut-out
- Easy snap-in mounting

Specifications

Switch Operation	: On-Off
Contact Configuration	: SPST
Illumination	: Non Illuminated
Switch Mounting	: Panel Mount
Actuator / Cap Colour	: Black
Contact Current AC	: 16A Max.
Contact Voltage VAC	: 125V
Contact Current DC	: 16A Max.
Contact Voltage VDC	: 12V
Panel Cutout (H×W)	: 19mm ×13mm
Switch Terminals	: Quick Connect

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Assortments & Kits

Glasses, Safety, Over Glasses, Anti Fog, Secure Grip Temples

94Y5480

Features

- Provides custom fit and adjust ability for prescription eyeglass users
- Wraparound side shields
- Secure Grip temples
- Clear anti-fog DX lenses

Specifications

Eyeglass Type   : Protective / Safety
Lens Style   : Anti Fog
Eyeglass Lens Colour   : Clear
Frame Colour   : Black
Safety Category   : ANSI Z87.1-2003, CSA Z94.3-2007

Temperature Sensor IC, Voltage, ±3°C, -40°C, +125°C, TO-92, 3 Pins
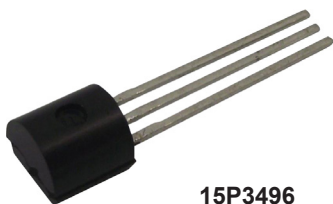
15P3496

Features

- Calibrated directly in °C
- ±2°C accuracy over temperature (typical)
- ±0.5°C linearity (typical)
- Stable with large capacitive loads
- Less than 50 µA quiescent current
- Shutdown current 0.5 uA max
- Low self-heating

Specifications

IC Output Type   : Voltage
Sensing Accuracy Range   : ±3°C
Sensing Temperature Range : -40°C to +125°C
Sensor Case Style   : TO-92
No. of Pins   : 3Pins
Supply Voltage Range   : 2.7V to 5.5V
MSL   : MSL 1 - Unlimited

10K Precision Epoxy Thermistor probe - 3950 NTC

53W5896

Features

- Resistance at 25°C: 10K ±1%
- B25/50 = 3950 ±1%
- Thermal time constant <= 15 seconds
- Thermistor temperature range -55°C to +125°C
- 28 AWG PVC Wire
- Diameter: 0.13"/ 3.3mm
- Length: At least 457mm / 18" long

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Assortments & Kits

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## Thermistor, NTC, 10kΩ, 3977K, Through Hole, Radial Leaded

98K8278

Features

- Accurate over a wide temperature range
- High stability over a long life
- Excellent performance ratio
- UL recognized, file E148885 standard
- Resistance value at 25°C ranges from 3.3ohm to 470Kohm
- ±2%, ±3% and ±5% resistance tolerance available
- Beta value (B25/85value) range from 2880K to 4570K
- Tolerance on B25/85-value ranges from ±0.5% to ±3%
- Operating temperature range from -40°C to 125°C
- Maximum power dissipation of 500mW at 55°C

Specifications

Zero Power Resistance at 25°C : 10kΩ
Thermistor Mounting : Through Hole
Beta Value (K) : 3977K
Thermistor Terminals : Radial Leaded
Operating Temperature Range : -40°C to +125°C

Bipolar (BJT) Single Transistor, NPN, 40V, 1A, 625mW, TO-92, Through Hole
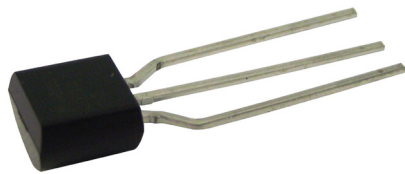
83C0221

Description

The product is a NPN Transistor for general purpose power amplifier and switch. It is having 200°C/W Thermal Resistance, Junction-to-Ambient

Applications

Audio, Signal Processing

Specifications

Transistor Polarity : NPN
Collector Emitter Voltage : 40V(br)ceo
DC Collector Current : 1A
Power Dissipation Pd : 625mW
Transistor Case Style : TO-92
Transistor Mounting : Through Hole
No. of Pins : 3Pins
Transition Frequency ft : 300MHz
DC Current Gain hFE : 300hFE
Operating Temperature Max : 150°C
MSL : MSL 1 - Unlimited

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Assortments & Kits

Ultrasonic Sonar Distance Sensor +2 X 10K Resistors

74AC6991

Features

- Power & Logic Voltage: DC 5V
- Current during measurment: 15mA
- Ultrasonic Frequency: 40 KHz
- Measuring Angle: 15º
- Trigger Input Signal: 10uS high pulse
- Sensor dimensions (excluding header): 45.5 x 20 x 15.5mm
- Weight: 8.7g

USB2.0 Type A Plug - Type B Plug Cable, 915mm, Black

58AC7777

Specifications

Connector Type A	: USB Type A Plug
Connector Type B	: USB Type B Plug
USB Standard	: USB 2.0
Jacket Material	: PVC
Jacket Colour	: Black
Cable Length	: 915mm / 3ft

Resistor Kit, 1/4W, 500 pieces

57AJ6070

Description

Resistor kit comes with 25 each of 20 different resistor values (including 0Ω links). All of these resistors are stapled into a tri-fold pack and clearly labelled.

Values Included:
0Ω, 1.5Ω, 4.7Ω, 10Ω, 47Ω
100Ω, 220Ω, 330Ω, 470Ω, 680Ω
1kΩ, 2.2kΩ, 3.3kΩ, 4.7kΩ, 10kΩ
22kΩ, 47kΩ, 100kΩ, 330kΩ, 1MΩ

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Assortments & Kits

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Kit Contents

Order Code	Description	Quantity
57AJ6073	Transducer, Sounder, Sounder, 3V, 30V, 70dB	2
99F9979	Battery Holder, PP3 (9V) × 1, Strap, Wire Leads	1
99W1760	Breadboard, Solderless, ABS (Acrylonitrile Butadiene Styrene), 8.5mm, 165mm × 56mm	1
78AH3472	Gear Stepper Motor Driver Pack Board	1
88W2802	Premium Female/Male Extension Jumper Wires, 40 × 6″ (150mm)	1
88W2571	Premium Male/Male Jumper Wires, 40 x 3″ (75mm)	1
81AH8644	Character LCD 16X2 Display Gadgeteer Platform Evaluation Expansion Board	1
06M4580	Plastic Enclosure, Utilibox Style A, Recessed Lid, Utility Box, ABS, 60.2mm×117mm×117mm	1
97C6429	Quick Disconnect Terminal, Female Quick Disconnect, 4.75mm × 0.51mm	10
33AC0092	5V Trigger Relay Module For Arduino And Raspberry Pi	1
94Y5480	Glasses, Safety, Over Glasses, Anti Fog, SecureGrip Temples	1
89C8962	Rocker Switch, Non Illuminated, SPST, On-Off, Black, Panel Mount, 16A	2
15P3496	Temperature Sensor IC, Voltage, ±3°C, -40°C, +125°C, TO-92, 3 Pins	1
98K8278	Thermistor, NTC, 10kΩ, 3977K, Through Hole, Radial Leaded	1
53W5896	10K Precision Epoxy Thermistor probe - 3950 NTC	1
83C0221	Bipolar (BJT) Single Transistor, NPN, 40V, 1A, 625mW, TO-92, Through Hole	5
74AC6991	Ultrasonic Sonar Distance Sensor +2 X 10K Resistors	1
58AC7777	USB2.0 Type A Plug - Type B Plug Cable, 915mm, Black	1
57AJ6070	Resistor Kit, 1/4W, 500 pieces	1

Part Number Table

Description	Part Number
Assortments & Kits	EK131 ELECT PACK

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