<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best Sellers</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>THERMOSTATIC CONTROL MODULE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital module can be programmed to turn equipment on or off at specific, pre-set temperatures.</td>
<td></td>
<td>Also has hysteresis setting, delay setting, upper-limit setting</td>
</tr>
<tr>
<td>and upper limit alarm setting. Displays temperature in Celsius on 3-digit LED display.</td>
<td></td>
<td>On-board 20A relay. Waterproof temperature sensor. Three buttons</td>
</tr>
<tr>
<td>for navigating temperature parameters and other functions. Operating voltage 12 Vdc.</td>
<td></td>
<td>for easy connection to motor and power source. Can be used as a lighting</td>
</tr>
<tr>
<td>Overall dimensions 48mm x 40mm x 14mm.</td>
<td></td>
<td>dimmer and similar applications with DC loads up to 3A.</td>
</tr>
<tr>
<td><strong>CAT # THM-4</strong></td>
<td>$6.00 each</td>
<td></td>
</tr>
<tr>
<td><strong>TESLA COIL KIT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fascinating mini Tesla Coil kit is great for educational demonstrations and entertainment</td>
<td></td>
<td>purposes. Produces a high-voltage, low-current arc when you hold a</td>
</tr>
<tr>
<td></td>
<td></td>
<td>metallic object (ie. insulated screwdriver) next to it. Impressively,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>it uses wireless power to transmit electrical energy to a high-frequency,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>low current electrical load such as a neon lamp without any physical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>connection. 85mm x 54mm x 68mm assembled. Requires a 12 Vdc 2 Amp</td>
</tr>
<tr>
<td></td>
<td></td>
<td>power supply, we suggest our CAT# PS-1292.</td>
</tr>
<tr>
<td><strong>CAT # TCL-3</strong></td>
<td>$8.50 each</td>
<td></td>
</tr>
<tr>
<td><strong>BATTERY LEVEL METER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monitor battery usage in lead-acid and lithium-ion batteries. LCD displays percentage of voltage</td>
<td></td>
<td>Remaining in numerical and graphic format. Designed for use with 12,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24, 36 or 48V lead-acid batteries or 3 to 15 cell (8-63V) lithium-ion</td>
</tr>
<tr>
<td></td>
<td></td>
<td>batteries. Battery symbol flashes when level reaches 5%.</td>
</tr>
<tr>
<td><strong>CAT # BT-3</strong></td>
<td>$7.75 each</td>
<td></td>
</tr>
<tr>
<td><strong>3 AMP DC MOTOR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SPEED CONTROLLER</strong></td>
<td></td>
<td>Controls the speed of a DC motor using Pulse-Width-Modulation. An</td>
</tr>
<tr>
<td></td>
<td></td>
<td>efficient method of changing the speed of a DC motor without</td>
</tr>
<tr>
<td></td>
<td></td>
<td>changing voltage. Has a potentiometer with on-off switch and a four-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>position screw-terminal strip for easy connection to motor and power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>source. Can be used as a lighting dimmer and similar applications with</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DC loads up to 3A. 30 x 28mm pc board.</td>
</tr>
<tr>
<td><strong>CAT # MSC-35</strong></td>
<td>$5.75 each</td>
<td></td>
</tr>
<tr>
<td><strong>AGC (3AG) FUSE POST</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screw style cap. Holder fits 3 AG (AGC) or MDL fuses. Chassis mounting hole 0.59” (15mm)</td>
<td></td>
<td>diameter.</td>
</tr>
<tr>
<td><strong>CAT# FHPM-31</strong></td>
<td>$1.50 each</td>
<td>10 for $1.35 each • 100 for $1.15 each</td>
</tr>
<tr>
<td><strong>VOICE RECORD / PLAY MODULE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Based on the ISD1820 chip, this multiple-message record/playback device offers true single-</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>chip voice recording, non-volatile storage, and playback capability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for 8-20 seconds. Features on-board microphone as well as internal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>audio amplifier which can drive an 8 Ohm 0.5W speaker directly. Can</td>
</tr>
<tr>
<td></td>
<td></td>
<td>be manually operated with on-board pushbuttons or by microcontroller.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supply voltage 3.3-5 Vdc. Board dimensions 54mm x 38mm x 15mm high.</td>
</tr>
<tr>
<td><strong>CAT # ME-63</strong></td>
<td>$6.00 each</td>
<td></td>
</tr>
<tr>
<td><strong>SOCKET FOR AUTOMOTIVE RELAY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With two 18 AWG leads and three 14 AWG leads. Sockets can be interlocked side-to-side. Pre-wired</td>
<td></td>
<td>sockets for use in car alarms, door-locks, starter-interrupt, light</td>
</tr>
<tr>
<td></td>
<td></td>
<td>circuits and other auto applications. Color-coded leads. Will fit our</td>
</tr>
<tr>
<td></td>
<td></td>
<td>relay, CAT# RLY-351.</td>
</tr>
<tr>
<td><strong>CAT# SRLY-2</strong></td>
<td>$2.25 each</td>
<td>10 for $ 17.50</td>
</tr>
<tr>
<td><strong>SPDT 40 AMP AUTO RELAY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 Vdc, 88 Ohm coil. Contacts rated 40A. Plastic enclosed relay. 1.1” x 1.2” x 1” high. Plastic</td>
<td></td>
<td>flange for bulkhead mounting. Mounts in standard automotive relay</td>
</tr>
<tr>
<td></td>
<td></td>
<td>socket.</td>
</tr>
<tr>
<td><strong>CAT# RLY-351</strong></td>
<td>$2.55 each</td>
<td>10 for $22.50</td>
</tr>
<tr>
<td><strong>2-CONDUCTOR WATERPROOF CONNECTORS, 18 AWG</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mating, weather-resistant polarized connectors. 12” red &amp; black 18 gauge stranded wire leads.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CAT # CON-320</strong></td>
<td>$1.85 each</td>
<td>10 for $1.70 each • 100 for $1.25 each</td>
</tr>
</tbody>
</table>

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4 30 DAY MONEY-BACK GUARANTEE
KITS

A NOTE ABOUT KITS....
Kits cannot be returned or exchanged once assembly has begun.
All parts supplied EXCEPT batteries.

2-DIGIT COUNTER WITH POWER SUPPLY
Large, two digit counter assembly. Advances one digit at a time, from 0 to 99 each time button is pushed. Each digit is 2.75" high and consists of 21 red 5mm LEDs. 5" x 4.18" black display board connected to 4.25" x 2" controller board. Five 4" pigtail wires. Included is a 9 Vdc power supply and a momentary, normally-open pushbutton switch.
CAT# CTR-92 $6.00 each
10 for $5.65 each

L.E.D. FLASHER KIT
Two L.E.D.'s flash in unison when a 9V battery is attached. This kit includes a p.c. board, all the parts and instructions to make a simple flasher circuit. A quick and easy project for anyone with basic soldering skills.
CAT# LEDKIT $2.50 each
100 for $2.25 each

ADJUSTABLE LED FLASHER
Two potentiometers adjust the flash rate of two LEDs. 9V operation. Battery not included.
CAT# MK-1021 $4.95 each

LED CHASER KIT
Build this variable speed LED chaser. 10 leds flash sequentially at whatever speed you set them for. Easy to build kit includes pc board, parts and instructions. Ideal for special lighting effects, costumes, etc. Operates on 3 to 9 volts. PC board is 5" x 2.25".
CAT# AEC $6.95 each • 10 for $65.00

EM4 ROBOT KIT
Owikit# OWI-891
Fun & easy-to-assemble Educational motorized robot kit with four modes: 6-leg walking cricket, motorized transmission trailer, grand rolling Beast and gear driven walking Grandpa-Bot! This 32 piece, 3 speed kit provides entertainment, imagination and education. Multi Ratio Gear Box. Requires one AA battery. Easy assembly and only requires a diagonal cutter and screwdriver. No soldering required. Assembled dimensions: 10.50" x 7.25" x 3.50". For ages 8+.
CAT# OWI-891 $20.95 each

6-IN-1 EDUCATIONAL SOLAR KIT
An excellent building kit for beginners, teaching children the benefits of solar energy while they create a toy that is fun to play with and requires no batteries. Children use the snap-together plastic parts to build six different motorized working models including an airboat, windmill, puppy, car, and two different planes. No tools required for assembly. Diagonal cutter may be needed to initially separate plastic parts. Kit includes plastic parts, 75mA solar cell, 1.2V electric motor, wires, springs and instruction book. For children 10+. May require adult assistance.
CAT # KFK-2 $8.25 each

10-LED SPINNING WHEEL
Push the button to start spinning. Speed gradually decreases, stops and one LED remains lit. Auto power-off. Low power consumption. Power supply: 9V battery (not included). 2.6" x 1.3"
CAT# MK-152 $7.95 each

40 EDUCATIONAL ELECTRONIC PROJECTS, BOOK & PARTS KIT
The Basics: 40 Exciting Labs eTron Circuit Labs. An immersive, hands-on curriculum of fun and illustrative electronics projects that teaches the fundamentals of electronics. Designed to be STEM (Science, Technology, Engineering, Math) Education Compliant for use in school curriculum. Beautiful color photos and illustrations lead you through a wide variety of labs covering a lot electronic fundamentals. Projects are designed to be breadboarded, taken apart and reused. Complete Lab includes The Basics v2.0 manual (112 pages), and all the parts necessary for the 40 projects in this book, the basics parts kit, solderless circuit board and 9-Volt battery.
CAT# KT-40 $24.95 each
If you only wish to purchase the book, use CAT# BK-52 $15.95 each

WIND-UP TOY MOTOR W/ WHEELS
Create your own wind-up toy using this small wind-up motor. Attached is a pair of 9/16" diameter wheels on 1 1/8" wheel base. Winding shaft is 1 1/8" long with knurled nylon knob. Body dimensions 1 1/4" x 5/8" x 1/2". Running time is approximately 10 seconds.
CAT # WM-4 $1.00 each
10 for 85¢ each

8 ORDER TOLL FREE 1-800-826-5432
Arduino is an open-source physical computing platform based on a simple i/o board and a development environment that implements the Processing/ Wiring language. Arduino can be used to develop stand-alone interactive objects or can be connected to software on your computer (e.g. Flash, Processing, MaxMSP). The open-source IDE can be downloaded for free (currently for Mac OS X, Windows, and Linux).

We carry Arduino microprocessors and related products. See our online store for full descriptions.

**UNO R3**
Everything needed to support the onboard ATmega328 microcontroller; connect to a computer with a USB cable or power it with a AC-to-DC adapter or battery. It has 14 digital input/output pins (6 can be used as PWM outputs), 6 analog inputs, a 16 MHz ceramic resonator, a USB connection, a power jack, an ICSP header, and a reset button. This version of the board has a socketed / replaceable ATmega328 chip (see CAT# ARD-24). Recommended operating voltage, 7-12 Vdc.

**CAT# ARD-21** $14.00 each

**ATMEGA328 W/ ARDUINO OPTIBOOT (UNO), DIP**
Pre-loaded with the Arduino Optiboot (Uno 16MHz) Bootloader, to use Arduino code in a custom embedded project without using an actual Arduino board.

**CAT# ARD-24** $5.50 ea. • 10 for $4.95 ea.

**MICRO SD CARD READER/WRITER MODULE**
This Micro SD card module can be used to read and write Micro SD cards with your Arduino or favorite microcontroller. Great for adding storage space to any Arduino project. Especially useful for datalogging, saving preferences, or storing game data. Features on board level shifting IC to go from 5v to 3.3v and uses standard SPI interface. 6-pin header. Overall dimensions 24.19mm x 41.8mm x 3.52mm.

**CAT # SDR-7** $2.95 each

**PRO MINI 328**
For users that understand the limitations of system voltage (3.3 or 5V), lack of connectors, and USB off board. Not populated with connectors so you can solder any connector or wire with any orientation you need. We recommend first time users start with the Uno R3 (CAT# ARD-21).

**3.3V / 8MHZ Pro Mini 328**

**CAT# ARD-14** $4.90 each • 10 for $4.75 each

**5V / 16MHZ Pro Mini 328**

**CAT # ARD-18** $4.90 each • 10 for $4.75 each

**LOGIC LEVEL CONVERTER, BI-DIRECTIONAL**
Bi-directional logic level converter safely steps down 5V signals to 3.3V and steps up 3.3V to 5V at the same time. This level converter also works with 2.8V and 1.8V devices. 0.63 x 0.52” (16.05 x 13.33mm).

**CAT# LLC-46** $2.95 each

**ARDUINO STACKABLE HEADER KIT**
Works with Arduino Main Board, Pro & Mega. They clear the USB-B connector and enable stacking of multiple shields. This kit includes four headers (2 8-pin and 2 6-pin).

**CAT# HDR-07** $1.50 each

**SPARKFUN INVENTORS KIT**
The SparkFun Inventor's Kit is a great way to get started with programming and hardware interaction with the Arduino programming language. The kit includes everything you need to complete five overarching projects consisting of 16 interconnected circuits that teach everything from blinking an LED to reading sensors. The culminating project is your very own autonomous robot! No previous programming or electronics experience is required to use this kit.

**CAT# SFA-40** $99.95 each

**RFID READ AND WRITE KIT**
Allows you to both read and write MiFare-type cards. Can be used for identification applications, tracking inventory, or contactless security lock. Includes one credit-card style tag and one key-fob style tag.

**CAT # ME-138** $6.95 each

**WIFI MODULE - ESP8266**
Self contained WiFi module capable of either hosting an application or offloading all Wi-Fi networking functions from another application processor. Pre-programmed with an AT command set firmware. Operating voltage 3.3V.

**CAT# ESP-8266** $5.35 each

**16 X 2 LCD W/ KEYPAD**
For Arduino compatible boards for user input and menu selection in custom applications. Features a 1602 white character LCD with blue LED backlight and 4-bit Arduino LCD library. Character size: 2.95 x 4.35mm. Keypad consists of 6 keys: select, left, up, down, right and reset. Potentiometer for dimmable backlighting. LED indicator. Operates on 5Vdc. 80mm x 58mm x 13mm.

**CAT# ST-1113** $7.98 each
COOL-WHITE DUAL LED ASSEMBLY
Nice bright miniature LED light source for display and lighting applications. 2 high-brightness surface-mount white LEDs mounted on a 0.56” x 0.31” (7 x 14mm) pc board. Built-in circuitry for 8 Vac operation. Works on 8 Vdc as well. Two pc pins on 5mm centers.
CAT# LED-2W 4 for $1.00 • 100 for 15¢ ea.

SUPER-BRIGHT, HIGH-FLUX RED LED
Ultra-bright, super-flux Piranha red LED. 7.62mm square, 4-pin DIP package aids heat dissipation. Designed for high-current, high-flux output.
CAT# LED-912 30¢ each
10 for 25¢ each • 100 for 20¢ each

LED INDICATOR ASSEMBLIES

12 VDC W/ PLASTIC HOUSING
Threaded bushings with nuts. Solder-lug terminals. 2 sizes, 4 colors (red, green, blue, yellow).
10mm diameter lens. 10mm bushing.
CAT# IND-10(R,G,B,Y) $1.25 each
10 for $1.10 each
12mm diameter lens. 12mm bushing
CAT# IND-12(R,G,B,Y) $1.35 each
10 for $1.15 each

12 VDC RED LED
5mm red diffused LED. Press-fit mounting in 0.25” diameter hole. Two 10” pigtail leads.
CAT# LED-12VR $1.15 each
10 for $1.05 each • 100 for 90¢ each

LED INDICATOR -- RESISTOR REQUIRED
5mm LED in a 10mm dia. chrome bezel. 8mm dia. threaded bushing with mounting hardware. Red Point-source. 15° viewing angle. Operates on any DC voltage as long as an appropriate resistor is connected. See our LED Hook-up guide in Spec Sheets online. Red Point-source -- 15° viewing angle
CAT# IND-15R $1.50
$1.00 each
10 for 85¢ each

12 VDC W/ CHROME HOUSING
5mm diameter LED in 10mm diameter chrome bezel. 8mm threaded bushing with mounting hardware. Extends 34mm below mounting panel. Available in Red (R), Blue (B), Green (G) and Amber (A)
CAT# IND-160(R,B,G,A) $2.25 each

12 VDC LED MODULES & STRIPS

WEATHER-RESISTANT 12 VDC LED MODULE, COOL-WHITE
Miniature lensed weather-resistant LED module provides 160-degrees of cool white light. Narrow footprint and adhesive backing makes it easy to mount, even on curved surfaces. IP67 rating for outdoor use. Wired together in 20 module strands, with LEDs on 2.36” centers. Can be purchased individually.
CAT# LED-161CW $0.80 module
20 for 70¢ per module

12 VDC MODULE STRIPS
Rugged, high-luminosity 3-LED modules suitable for indoor or outdoor, shelf, display or sign lighting. Operates on 12Vdc. Dimmable. Covered lens protects against humidity and sun damage. Double-stick tape on back of each module for attachment to clean, flat surface. Hole for screw mounting. Modules linked on 2-conductor 18AWG zip cord, 161mm (6.5”) center-to-center spacing. Maximum string is 50 modules, 10 meters (32Ft). 0.72W per module, 36W per string. UL, CE. Can be used w/ dimmer CAT# DMR-8
Warm White CAT# LS-123WW
Cool White CAT# LS-123CW
Red CAT# LS-123R
Yellow CAT# LS-123Y
Green CAT# LS-123G
Blue CAT# LS-123B
Cool White CAT# LS-123HCW
High-Power. 1.2W per module. 60W (50 x 1.2W) per string.
$2.65 per module
10 for $2.35 per module
50 for $ 2.00 per module

12 VDC LED LIGHT STRIPS
Adhesive-backed ribbon with surface-mount ultrabright LEDs. Ideal accent lighting in auto or home. Great for under cabinet or shelf lighting. Dimmable. Can be cut every third LED or 50mm (approx. 0.2”) and each segment can be lit independently. Wires can be soldered directly to solder spots on ribbon tape. 5 Meters, 100 segments per continuous strip. Can be connected end-to-end for longer strips. Can be purchased in 2” (3-led) segments.
Cool-white CAT# LS-12-CW
Warm-white CAT# LS-12-WW
Neutral-white CAT# LS-12-NW
$1.00 per 3-led segment
10 segments 90¢ per segment
100 segments 75¢ per segment
$1.50 per 3-led segment
10 segments $1.30 per segment
100 segments $1.00 per segment

ORDER TOLL FREE 1-800-826-5432
15
ECONOMY MODULES

COOL-WHITE

Very bright, but less bright than our other modules. 3.5" wires between modules.

20 modules per string. 0.72W per module

CAT# LS-200CW $1.40 per module
20 modules for $1.10 per module
100 modules for 85¢ per module

RED/GREEN/BLUE 12 VDC STRIPS

Each LED is capable of red, green or blue, or any combination of colors. When all three colors are activated LED appears white. Should be used with controller, like our CAT# CT-21, which can be used to flash the LEDs in several programmed sequences at controllable speeds, also allowing dimming.

CAT# LS-22 75¢ per 3-led segment

For one roll of 100 segments (300 LEDs), use CAT# LS-22RGB $35.00 per roll

RF REMOTE CONTROL FOR RGB LED STRIPS

Allows flashing, sequencing and dimming of tri-color LED strip, CAT# LS-22.

Will operate up to 5 strips, 1500 LEDs. Operates on 12-24Vdc. Input via screw terminals or 2.5mm coax power plug. Power supply not included.

CAT# CT-21 $35.00 $25.00 each

12-24 VDC 8A DIMMER

Designed for 12-24 VDC LED strip lights like our CAT#s LS-12-CW, NW, WW. Clearly-marked screw-clamp input/output terminals. Rotary adjustment. 3.5" x 2.35" x 2.25" high (including knob).

Mounting holes on 1.6" x 3.1" centers.

CAT# DMR-8 $19.95 each

POCKET-SIZED LED TESTER

Handy device for testing LEDs (2-150mA). Simply plug your LED into the correct holes and push the button to test its brightness, illuminant color, etc. The top row is for 2 pin LEDs with currents ranging from 2mA - 30mA. The bottom row is for 4 pin LEDs (super-flux LEDs) with currents ranging from 20mA - 150mA. Powered by a 9V battery (included).

Approximate size: 3.15" x 2.16" x 0.87"

CAT# LT-100 $8.95 each

ALPHANUMERIC DISPLAYS

4 DIGIT RED CLOCK DISPLAY, 0.4" DIGITS

MSGQ4911C

4 character 7-segment LED display module. Red Characters. Semi-colon between middle digits. Decimal points after all digits. Gray face. Common Anode. Rate: 2V 20mA. 0.508" H x 1.582" W x 0.276" D.

16-pin DIP. 0.10" pin spacing on 0.40" rows. Fits our part# ICS-22W.

CAT# FDA-5 $1.00 each

3-DIGIT 7-SEGMENT LED DISPLAY, .28" GREEN

LTG-2621G. 7-segment, 3 character LED display module. Lights green. Should be used with controller, like our CAT# LS-22, which can be used to flash the LEDs in several programmed sequences at controllable speeds, also allowing dimming.

CAT# CT-21 35¢ each 100 for 30¢ each

4-DIGIT 7-SEGMENT SERIAL DISPLAY

Combines a 4-digit 7-segment display and an ATMega328 microcontroller allowing you to control every segment individually using only a few serial lines. Serial TTL communication, SPI serial communication or I2C serial. Can be programmed for stand-alone operation since the ATMega328 comes pre-loaded with the Arduino bootloader. On-board FTDI header for easier programming, 4mm x 23mm.

CAT# SDA-20 $13.95 each

2.3" 5 X 8 RED-GREEN DOT MATRIX

Lite-On # LTP2558AA-RA

Large, 2.3" matrix height. Red-Orange and Green LEDs.

Overall dimensions, 2.40" x 1.5" x 0.33". Gray face with white dots in off-state. Spec sheet available.

CAT# SDD-25 $1.00 ea. • 10 for 80¢ ea.

LED FESTOON LAMPS

6 LED festoon lamps operates on 12 AC/DC 45ma.

120° radiance angle. 10.7mm dia. x 44mm L.

Cool-white - 45 lumen. 6000 CCT(K).

CAT# HFL-12CW $4.50 each
10 for $4.35 each

Warm-white - 40 lumen. 3000 CCT(K).

CAT# HFL-12WW $4.50 each
10 for $4.35 each

Festoon socket for 44mm lamps. Fits CAT#s HFL-12CW and HFL-12WW. Can be used with other 37-44mm festoon based lamps and LEDs.

CAT# FLS-3 75¢ each • 10 for 70¢ each
**FLUSH-MOUNT LED FIXTURE, 120 VAC**

Earthtronics Model LEDX485090

120Vac, 60Hz, 0.062A, 3.5W.
Color temperature: 5000K "Cool-white". 6" dia. LED fixture. Off-white (beige) plastic assembly snaps into a 7.5" dia. metal rough-in frame. Array of 61 LEDs provides a fairly bright light. We don't have specs, but the intensity is approximately that of a 50-60W incandescent lamp.

CAT# LED-485 $6.50 $4.75 each

**LED WALL WASHER, 120 VAC**

Earthtronics Model TLP250K3X3

120 VAC, 60Hz, 0.029A, 1.6W.
Color temperature: 5000K "Cool-white". Nice-looking white plastic "wall washer-type" fixture. Operates on 120Vac house current. 30 bright white LEDs in a 2" x 2" array with diffuser lens. Inclines approximately 30° from mounting surface. Mounts with 2 screws on 2.35" centers. Removable 3.4" square frame hides screws. Mounts in 2.5" x 2.0" cut-out. 0.70" behind-mounting plane depth.

CAT# TLP-250 $4.00 $3.35 each

**FUSE LAMPS**

<table>
<thead>
<tr>
<th>NUMS</th>
<th>AMPS</th>
<th>CAT#</th>
<th>EACH 100</th>
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<tr>
<td>LPFS-6</td>
<td>0.165</td>
<td>$1.00</td>
<td>$14.00</td>
</tr>
<tr>
<td>LPFS-8</td>
<td>0.165</td>
<td>$1.00</td>
<td>$14.00</td>
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<tr>
<td>LPFS-12</td>
<td>0.165</td>
<td>$1.00</td>
<td>$14.00</td>
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**INCANDESCENT LAMPS**

<table>
<thead>
<tr>
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<th>AMPS</th>
<th>CAT#</th>
<th>EACH 100</th>
</tr>
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<tr>
<td>T-1 3/4 5MM DIAMETER LAMPS</td>
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<tr>
<td>VOLTS</td>
<td>AMPS</td>
<td>CAT#</td>
<td>EACH 100</td>
</tr>
<tr>
<td>14</td>
<td>.080</td>
<td>LP-7382</td>
<td>$1.00</td>
</tr>
<tr>
<td>28</td>
<td>.040</td>
<td>LP-327</td>
<td>$1.00</td>
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**14V MINI BAYONET BASE LAMP**

#1815 lamp. 14.0 volts. 0.200 amps.

CAT# LP-1815 75¢ each

100 for $67.50

**BAYONET BASE LAMP SOCKETS**

PC / solder leads.

CAT# LS-17 2 for $1.00

For use with #44, 47, 1815 etc... standard mini-bayonet base lamps.

CAT# LHL-37 2 for $1.00

**EL BACKLIGHTS**

For backlighting displays, control panels, special effects and model lighting. Flexible, produces practically no heat. Operates on 80-120Vac & will run off of inverter or standard "house" electricity.

**2.8" X 2.2"**

Salmon color in off-state. Glows white when energized. Solderable pins.

CAT# EL-15 2 for $1.50

3 for 99¢

100 for 20¢ each

**1.2" X 2.6"**

Glows green when energized. Ivory off-state. Solderable pin.

CAT# EL-26 3 for 99¢

100 for 20¢ each

**12 VDC FLASH ASSEMBLY**

Bright xenon strobe assembly for highway emergency signal. Approximately 80 flashes per minute. 12Vdc operation. Horseshoe flash tube (31.5 x 16 x 6mm) mounted on 65 x 75mm pc board. On/off switch. Easy to connect. See hook-up diagram on-line spec sheet.

CAT# FSH-13 $4.50 each

10 for $4.00 each

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4-POSITION PLUGGABLE TERMINAL STRIP & HEADER

Riacon 4-position screw-clamp terminal block and mating friction-lock header. Terminals on 5mm centers. For 12-28 AWG wire. Rated 6A/125Vac. UL, CSA.
CAT# TER-104 $0.95 each
10 for 75¢ each • 100 for 60¢ each

24-POSITION SINGLE-ROW TERMINAL STRIP, FEED-THRU

RDI/ Buchanan 4-series / AMP 796598-6. Single-row barrier strip. Screw terminals on 0.325” centers. 0.5” feed-through pins. 7.9” x 0.60” x 0.50” high. Rated 15A, 150V. For 14-22 AWG wire. UL, CSA.
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EUROSTYLE TERMINAL STRIPS

For connecting stripped wires from 8-22 AWG depending on the block size. Flexible white (natural) Nylon 66 body, 94V2 rated for 105° C. 400 Volts. All metal parts are completely recessed in the housing to prevent shorts. Each strip has 12 circuits, with a mounting hole between each circuit. Can be easily shortened with a knife or saw.
7 AMP
For 22-18 wire. 3.78” x 0.67” x 0.57” h. 0.32”(8mm) terminal centers. UL, CSA, VDE.
CAT# TB-7 $2.00 each
10 for $1.80 each • 100 for $1.60 each

20 AMP
For 18-14 wire. 4.6” x 0.80” x 0.67” h. 0.39”(10mm) terminal centers. UL, CSA, VDE.
CAT# TB-20 $2.25 each
10 for $2.10 each • 100 for $1.80 each

35 AMP
For 14-10 wire. 5.38” x 0.93” x 0.75” h. 0.46”(11.5mm) terminal centers. UL.
CAT# TB-35 $2.70 each
10 for $2.45 each • 100 for $2.15 each

50 AMP
For 20-8 wire. 6.25” x 1.00” x 0.99” h. 0.53”(13.5mm) terminal centers. UL.
CAT# TB-50 $4.00 each
10 for $3.85 each • 100 for $3.60 each

100 AMP BRASS BUSS BAR

Bocatech® Inc BTMH-15B
Specifications:
• Rated voltage: 48 Volt DC / 300 Volt AC
• Two feed terminals 1/4-20 thread brass studs
• Ten distribution terminals 8-32 brass screws
• Solid brass on insulated base
• Dimensions: 5-3/4” (L) x 1-1/4” (W) x 1-1/16” (height at the stud)
• Two mounting holes: 5-1/4” center to center
CAT# BR-100 $6.95 ea. • 10 for $6.50 ea.

SPRING-LEVER TERMINAL STRIP

2.25” SQUARE BEZEL
Red and black spring-lever terminals in a recessed cup that fits a 50mm (1.95”) diameter round cut out. 57mm (2.23”) square bezel with countersunk mounting holes in each corner.
CAT# SWT-202 2 for $1.00 • 100 for 35¢ each

LCD CHARACTER DISPLAYS

Incredible Price!!!
24 CHARACTER X 1 LINE LCD

Wintek# WDC2401P-1GNNA.
Module size: 4.25” x 0.79” x 0.3”.
Display size: 3.5” x 0.4”. Built-in driver.
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8 CHARACTER X 2 LINE LCD

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STN Positive,
Yellow/Green, Reflective.
Module size: 58 x 32.0 x 8.9mm
CAT# LCD-8002 $1.75 each • 10 for $1.50 each

20 X 2 LCD W/ WHITE LED BACKLIGHT

Optrex# C51505NFJ-SLW-AIN
Viewing area: 83.0 x 18.0 mm.
Overall size: 116.0 x 37.0 x 15.6mm
CAT# LCD-165 $2.85 each • 10 for $2.50 each

LCD CONTROLLER

SERIAL INTERFACE MODULE FOR 16 X 2 LCDs

Arduino compatible controller for 16 x 2 LCD modules. Output for LED backlight. 16-pin header solders into LCD. 42 x 19 x 8mm pc board (excluding header pins).
CAT# LCD-SI $3.00 each