

T-1 (3MM) w/ INSULATED WIRE LEADS

1.5v @ 40 ma. 10" leads.

CAT# LP-3 95¢ each • 100 for 65¢ each

3v @ 55 ma. 10" leads.

CAT# LP-4 95¢ each • 100 for 65¢ each

14v @ 45 ma. 10" leads.

CAT# LP-6 95¢ each • 100 for 65¢ each

T-1 (3MM) w/ BARE WIRE LEADS

5 Volt 115 ma **CAT# LP-715** 2/\$1.00 ¹⁰⁰⁺\$40.00

SPECIAL!

14 Volt 40 ma **LP-23** 3/\$1.00 100/\$20.00
500 for 18¢ each • 1000 for 14¢ each

T-1 3/4 (5MM) w/ BARE WIRE LEADS

28 V 60 ma **CAT# LP-28** 4/\$1.00 \$17.00

28 Volt 65 ma **LP-286** 4/\$1.00 \$17.00

GLASS WEDGE BASE LAMPS

T3-1/4 size. 0.40" diameter x 0.98" long.
10 pc minimum of one type (no mixing)

	CAT#	10	100
6.3V, 0.25A	LP-259	\$3.50	\$25.00
14V, 0.19A	LP-161	\$3.50	\$25.00
14V, 0.27A	LP-194	\$3.50	\$25.00
28V, 0.08A	LP-657	\$3.50	\$25.00

14V MINI BAYONET BASE LAMP

#1815 lamp. 14.0 volts, 0.200 amps.

CAT# LP-1815 2 for \$1.00

100 for 45¢ each

SOCKET FOR T 1 1/2 WEDGE-BASE

#2967 socket with 4.5" wire leads.

For T1-1/2 mini wedge-base lamps.

CAT# LPS-2967 50¢ each

10 for 45¢ each • 100 for 35¢ each

12-14V NEO-WEDGE BASE LAMP

JKL # DNW1-DW12/GRA/39-04S-4B.

4mm dia. incandescent lamp on a gray plastic mounting platform designed to twist-lock onto a pc board. Wire leads run across top and bottom of base and are accessible for direct connection. Lamp is provided with a removable green silicon rubber filter. Overall height is 12mm. Base dia. is 10mm.

CAT# LP-70 5 for \$1.00 • 100 for 15¢ each

500 for 13¢ each • 1000 for 10¢ each

T-1 3/4 5MM DIAMETER LAMPS

T - 1 3/4 BI-PIN LAMP

VOLTS	AMPS	CAT#		
14	.080	LP-7382	2 for \$1.00	100 for \$45.00
18	.040	LP-7370	2 for \$1.00	100 for \$45.00
28	.040	LP-7387	2 for \$1.00	100 for \$45.00

T-1 3/4 MIDGET FLANGE LAMP

VOLTS	AMPS	CAT#		
14	.08	LP-382	2 for \$1.00	100 for \$45.00
28	.040	LP-327	2 for \$1.00	100 for \$45.00

NEON LAMPS

NE-2E / A9A NEON LAMP

Eiko® A9A. NE-2E. 0.7mA, 105-125V miniature neon lamp. 6mm dia. x 18mm long.

Wire terminals. **CAT# NE-2E**

10 for \$2.75 • 100 for \$22.00

NEON LAMP ASSEMBLY W/ RESISTOR

Prepped with resistor and 7" stripped and tinned pigtail leads. Operates on 120 Vac. Clear vinyl sleeve covers the top 2" of the leads.

CAT# NE-210 3 for \$1.00

50 for 27¢ each • 500 for 23¢ each

HALOGEN LAMPS

MR-16 BI-PIN

12 Volt. GU5.3, bi-pin base.

20W	12 Degree	ESX	CAT# HLP-20S
20W	36 Degree	BAB	CAT# HLP-20
35W	36 Degree	FMW	CAT# HLP-35
50W	36 Degree	EXN	CAT# HLP-50
75W	36 Degree	EYC	CAT# HLP-75

\$1.25 each • 10 for \$1.10 each • 100 for 95¢ each
no mixing

HALOGEN LAMP WITH SOCKET

71 Watt, 12 Volt MR-16, bi-pin halogen lamp and mounting frame with ceramic socket. Overall dimensions, 2.20" x 2.15" x 1.92" high. 6" leads with heat-resistant insulation.

CAT# HLP-710 \$4.75 each

SOCKETS FOR BI-PIN HALOGEN LAMPS

HALOGEN BI-PIN SOCKETS

For MR16, MR11, glass 2-pin halogen lamps. GX5.3, G-4 and GY6.35 base. 500 Watts. Silver contacts, spring tension socket. 6" leads. UL.

Round ceramic base, 0.67" dia. x 0.38".

CAT# HLS-3

\$3.50 each

SC-110-1 ceramic socket with mounting ears. 1.06" x 0.76" x 0.32" Recessed mounting holes on 0.9" centers. Rated 250V 100W. 12" Teflon insulated leads. UL. **CAT# HLS-5** \$3.75 each

3mm x 0.5mm pitch.

Threaded mounting holes

CAT# HLS-4

\$3.65 each

12V HALOGEN LAMP BALLASTS

Soft start transformer. Short-circuit and overload protection. Input: 120 Vac. Output: 12Vac. UL.

60W (20W min.)

2.61" x 1.51" x 0.85" 4" pigtail leads.

CAT# HTX-60 \$6.80 each

75W (20W min.)

2.61" x 1.51" x 0.85" 4" pigtail leads.

CAT# HTX-75 \$7.20 each

150W (30W min.)

3.62" x 1.98" x 1.10". 6" pigtail leads.

CAT# HTX-150 \$12.60 each

110/130V 500W HALOGEN LAMP

Flexotek #505

4.63" long x

0.39" diameter. 0.30" dia. ceramic ends.

Typically used in high-intensity work lights and other rectangular/square high-intensity fixtures.

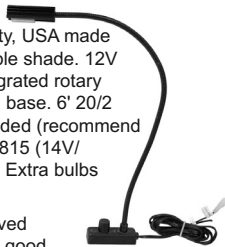
CAT# HLP-500 \$1.50 ea. • 10 for \$1.25 ea.

LITTLITE® GOOSENECK TASK LIGHT, USED

Littlite® L-series, surface-mount task lamp. High-quality, USA made 18" gooseneck with adjustable shade. 12V incandescent lamp with integrated rotary dimmer/switch. 3" x 1" metal base. 6' 20/2 cord. Power supply not included (recommend CAT# PS-1251 or similar). 1815 (14V/200mA) bayonet base lamp. Extra bulbs available - CAT# LP-1815.

Note: lamps are used, removed from equipment. They are in good condition, but have scratches & blemishes.

CAT# LT-17 \$9.00 each



FUSE LAMPS

Popular lamps which are the same size as a 3AG 1/4" x 1 1/4" (AGC) fuse.

VOLTS	CAT#	EACH	10
6	LPFS-6	75¢	\$7.00
8	LPFS-8	\$1.00	\$8.50
12	LPFS-12	75¢	\$7.00



COMPACT FLUORESCENT FIXTURE

120 Vac fluorescent fixture. Prepped with 9" cables with 3-pin mating connectors

to enable daisy-chaining of multiple fixtures. Each unit is 9.18" x 2.07" x 2.78". Replaceable 13 W compact fluorescent lamp included (Philips PL-S). 120V, 60Hz, 0.35A. cULus.

CAT# FL-34 \$5.95 each



MEDIUM BI-PIN FLUORESCENT SOCKETS

Leviton# 13353-N. Low-profile, Slide-On, Turn-Type. Quickwire 18AWG Solid or Stranded-Tinned - White. UL, CSA.

CAT# SKT-261 ~~\$2.20 each~~
\$1.20 each • 10 for \$1.00 each

REDUCED PRICE!



H&H Fluorescent # 1-500W-1 W/ Clip. Butt-On fluorescent socket. Spring steel snap-in clips on back, 28mm centers. 8" black and white leads, 18 AWG solid. 660W, 600V. cULus.

CAT# SKT-262 ~~\$2.00 each~~
\$1.00 ea. • 100 for 80¢ ea. • 500 for 60¢ ea.

REDUCED PRICE!



FLUORESCENT LAMP PARTS

9W T-4 COMPACT LAMPS

9W compact UV lamp

365nm. Type T-4, 2-pin, G23 base. Overall length, 6.5"

CAT# UVL-4 \$1.25 each



REDUCED PRICE!

9W compact fluorescent lamp

Sylvania Dulux® CF9DS/ 850. Type T-4. 2-pin, G23 base. Overall length 6.5" **CAT# FL-30** ~~\$1.50~~

\$1.00 each • 50 for 80¢ each

REDUCED PRICE!

White plastic socket for

CAT# FL-30 above. Not for UVL-4. **CAT# SKT-30** ~~70¢ each~~ 60¢ each • 50 for 55¢ each

FLUORESCENT STARTER SWITCH

Edwin Gaynor # 1170-2-SI-N-W.

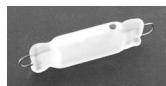
Fluorescent lamp rocker switch for up to two 30W 120 Vac lamps. Press-and-hold momentary side of switch to start lamp; press the other side to turn it off. White rocker with nickel-plated bezel. Snap-mounts in 33 x 15mm rectangular cutout. Self-connecting terminals for stripped solid copper wire. **CAT# RS-194** \$1.45 each
100 for \$1.15 each



24V 5W XENON FROSTED RIGID LOOP LAMP

T-3 1/4 rigid loop lamp. 24V, 5W, 0.208A, 40 Lumens. Long-life, 20,000 Hr lamp. 10mm dia. x 35mm long (excluding terminals).

CAT# XLP-24 \$1.00 each • 50 for 75¢ each



FLASHERS

For alarm systems, discos, personal use, warning in case of danger, etc.

Long-life xenon tube. Protected against polarity reversal. Fully sealed and water-proof. Power supply: 12 Vdc, 150 mA. Flash rate: 120/min. 2.75" dia. x 1.70". Acrylic cover with black ABS base. Threaded mounting studs on 1.7" centers. Hardware included.



color	CAT#	price
red	STROBE-3R	\$9.95 each
green	STROBE-3G	\$9.95 each
blue	STROBE-3B	\$9.95 each
amber	STROBE-3A	\$9.95 each
clear	STROBE-3C	\$9.95 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.

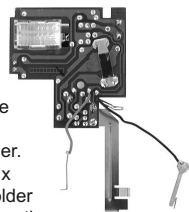
CAT# FSH-13 \$5.50 each



FLASH ASSEMBLY

Working 1.5 Vdc, xenon flash assembly with flash tube and reflector, trigger transformer, photoflash capacitor, neon charge indicator and other components. Ready to go. Built-in-AA cell holder. PC board with components, 2.1" x 2.15" x 1.15" in depth. Battery holder adds 1.6" to length. Includes instructions.

CAT# FSH-12 \$1.00 each
10 for 85¢ each • 100 for 60¢ each



CHEAP (YET EFFECTIVE) LED FLASHER

The simplest electronic flasher ever. Great for attention getting displays, party decorations, night time warning signals.

A red 5mm LED with built-in flasher chip is attached to a 9 volt battery snap that at one time snapped onto a 2 AA cell battery holder. Operates on 3-9 Vdc.

We plugged a flasher directly into a standard 9 volt battery and it has been flashing for several weeks with no problem. Flash rate, approximately 120 flashes per minute. Batteries not included.

CAT# FSH-100 2 for \$1.00
10 for 45¢ each • 100 for 40¢ each



LASERS

RED LASER DIODE MODULE

4mW red, 650nm laser diode module. Designed for installation into an OEM product, they are functioning units with a bare, exposed PC board, 6" leads terminated with a 2-contact female connector, 0.1" spacing. The brass body is 10.5 x 15mm. Overall length with PCB is 22mm. Operating voltage is 3VDC @ 25mA. Polymer aspheric lens, 5mm aperture. <2mrad divergence.

CAT# DLM-3 \$7.50 ea. • 10 for \$ 7.00 ea.



5MW 650NM RED LASER DIODE

LiteOn #LTLD505T. 650nm red laser diode. 2.4-2.6V operation. 3mm diameter case with lens. 6mm diameter gold-plated heatsink base. Gold-plated leads.

CAT# DLM-6 \$3.45 each



RED LASER POINTER / IR TRANSMITTER

Designed for presentation purposes, this quality red laser pointer also transmits infra-red beam to IR receiver included in package. Receiver has a 3' cord with a USB-A plug on one end. Medical logo on pointer. We don't know what software this was designed to work with. Laser pointer is good quality and includes three AG13 (CAT# BAT-7) button cells.

CAT# LP-38 \$6.00 each



GREEN LASER POINTER

Bright green laser pointer at 532 nm wavelength. Output power of <5mW (Class IIIa Laser Product). Range of approximately 9,000 ft (2600 m) in darkness. 1.1 mm beam dia. at source. Requires 2 "AAA" batteries (included). Can be used for sky-pointing, projection on low clouds, signaling. 6" x 0.5" diameter.

CAT# LP-40G \$37.95 each



MALIBU® 12V GARDEN LAMP

10W HALOGEN FLOOD LIGHT

Durable metal outdoor flood light. Overall, 5.5" high x 3.5" dia. Includes 10W halogen lamp. 6" plastic ground spike. Operate on 12Vac/dc. Power supply not included. Black.

CAT# LT-9 \$4.50 each

Case of 36 for \$126.00



500W DIMMER

Westek #FD-10 Foot or table-top slider dimmer for 120Vac 500W incandescent or halogen lamps. 4" x 2.6" x 1.1" control box with slider that can be foot or hand actuated. 5' 2-conductor power cord plugs into wall socket. 11' long, 2-conductor SPT-2 cord with pigtail ends attaches to lamp or device being controlled. cULus. **CAT# DMR-12** \$8.95 each



SCREW-BASE LAMP SOCKET with SWITCH

Leviton 261B. Phenolic shell, medium screw base lampholder with push-through on-off switch. 3/8" threaded mounting hole with set screw. Screw terminals. 250Vac, UL, CSA.

CAT# LS-7 \$2.50 each



SENSORS

PRESSURE / VACUUM SWITCH

Micro Pneumatic Logic #MPL 503. Single-pole, normally open switch activated by pressure and/or vacuum. 5mm barbed inlet and outlet. 0.187" qc terminals. 25.5mm x 25.5mm x 10.8mm plastic case. Specs unknown.

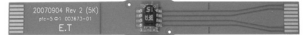
CAT# PSW-503 \$2.50 each



TEMPERATURE AND HUMIDITY SENSOR

Temperature and humidity sensor with a 14bit A/D converter and a serial interface circuit. Sensirion SHT-15 chip mounted on a 80 x 10mm ribbon cable. Connecting fingers on 1mm centers.

CAT# THS-15 \$10.00 each



NDIR CARBON DIOXIDE SENSOR

GE, Telair T6004. Compact Carbon Dioxide sensing module designed to integrate into existing controls and equipment. NDIR (Non-dispersive infrared) gold-plated optics. Diffusion or Flow-through sampling.

Module size: 57 x 51 x 19mm.

CAT# CDS-1 \$10.00 each



HUMIDITY CONTROLLER

DNA Group Model# 884036B.

This device appears to be similar to a thermostat except it responds to humidity rather than temperature. Set adjustment screw to a certain limit; when that limit is reached a switch opens or closes. S.P.S.T. switch is rated at 12A/ 120Vac. Outer dimensions, 85 x 26 x 37mm, excluding adjustment shaft and switch terminals.

CAT# HMC-36 \$3.50 each



PRESSURE SWITCH

Goldtech #PS-100-0021. ON=0.17"WC. Max. 1psi. Field adjustable. Large dia. diaphragm with 5A SPDT, snap-action switch. Noryl® (PPO) case material. Multi-barb port connection for 0.250" and 0.375". 80mm dia. x 48.5mm overall thickness.

Recommend vertical mount. Overall height: 100mm. **CAT# PSW-15** \$8.95 each



CO2, TEMP, HUMIDITY SENSORS & OTHER PARTS

"The Nose" monitor by Pure Choice. New, high-quality air sensor units containing a CO2 sensor, a temperature and relative humidity sensor as well as an 8 x 2 LCD with LED backlight display and a 12Vdc, 40mm mini fan. We sell all of these parts separately, but you can save by buying this one device. Easy to disassemble. Note: not functional without central controller.



Contains:

CAT# CDS-1	CO2 Sensor	\$10.00
CAT# THS-15	Temp/humidity sensor	\$10.00
CAT# LCD-812	8x2 LCD w/backlight	\$5.50
CAT# CF-392	12Vdc 40mm fan	\$3.25

All of this
CAT# EX-11 \$20.00 each

RELAY SOCKETS

KH RELAY SOCKETS

Fits all KH and KHU style, 14 pin relays except PC mount style (most relays starting with CAT# 4PRLY).

Solder-loop terminals.

Note: Terminals and contacts may be discolored.

CAT# PRLY-S 2 for \$1.00
100 for 40¢ each

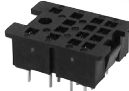


Screw terminals. Can be surface mounted or snap-mounted to aluminum DIN rail. UL and CSA. 1.17" X 2.44" X 0.98".

CAT# MT14-PC
\$5.50 each • 10 for \$50.00



PC pins for PC board mount.
CAT# PRLY-SC 75¢ each



8-PIN DPDT RELAY SOCKETS

For 8-pin, DPDT relays with rectangular base. Fits our CAT#s RLY-2012, RLY-2024, RLY-2120, RLY-453 and RLY-556. UL, CSA.



PC PINS
CAT# RST-2PC
\$1.20 each



SOLDER TERMINALS
CAT# RST-2SL
\$1.35 each



SCREW TERMINALS
Bulkhead, surface mount.
2.6" x 0.87" x 1" high.
CAT# RST-2
\$6.45 each



AUTO RELAY SOCKETS

Pre-wired sockets for use in automotive alarms, door-locks, starter-interrupt, light circuits and other auto applications. Color-coded leads. Will fit our relay, CAT# RLY-351.

5 WIRE SOCKET
with two 18 AWG leads and three 14 AWG leads. Sockets can be interlocked side-to-side.
CAT# SRLY-2 \$2.25 each • 10 for \$ 17.50



DUAL RELAY SOCKET
Dual 5 wire sockets designed for door-lock applications.
CAT # SRLY-4 \$ 3.25 each
10 for \$ 27.50



8 PIN OCTAL SOCKETS

PC mount socket for round base 8 pin relays and vacuum tubes.
CAT# OCT-PC \$1.25 each
10 for \$1.10 each • 100 for 95¢ each



Screw terminals for easy connections and changes. Can be surface mounted or used with aluminum DIN rail. UL listed. **CAT# OTO8-PC**
\$2.90 each • 10 for \$2.75 each



SOLENOIDS

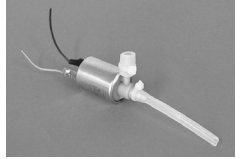
MINIATURE 12VDC PUSH-TYPE

SOLENOID Ledex™. 0.5" dia. x 1" long tubular solenoid with 3/8" dia. threaded bushing for mounting. 1/16" dia. x 1/2" long plunger. 40 Ohm coil. Operates on 12 Vdc. 1" wire leads. **CAT# SOL-102**
\$2.75 each • 10 for \$2.50 each



SOLENOID VALVE

12 Vdc, 100mA solenoid valve. Open when activated. Body: 24mm diameter x 31mm long. 62mm overall length, including inlet and outlet ports and terminals. 0.19" diameter ports. Used, removed from equipment.
CAT# SOL-132 \$2.50 each



SPRING-RETURN SOLENOIDS

1.4" x 1.0" x 0.77"(36.5 x 25.0 x 20.0mm) box-type solenoid. 0.32" (7.5mm) diameter plunger has a slot and hole. A nylon bushing and spring on the plunger give the solenoid spring-return capability when a cotter pin or other connecting device is put in the hole in the plunger. An adjustable L-bracket attached to body of solenoid limits the outward travel of the plunger. 9" pigtail leads.



6-12 Vdc 13.8 Ohm coil.
CAT# SOL-137 \$2.50 each

12-24 Vdc 22 Ohm coil.
CAT# SOL-138 \$2.50 each

ANTENNAS

2.4 GHZ DESKTOP ANTENNA

2.4GHz desktop antenna for WLAN terminal applications. 4" high. 3" diameter weighted rubber base. SMA-R connector on 6' cable.
CAT# ANT-37
\$3.50 each



2.4 GHZ ANTENNA

Laird #WCR2400SMRP. 2.4-2.5 GHZ. 1/2 wave dipole antenna. 1 DBI gain. 50 ohm impedance. 95mm overall length. Gold-plated, reverse polarity SMA connector. -40 +80c temp. 90 Deg. knuckle.
CAT# ANT-36 ~~\$3.50~~ \$3.00 each



REDUCED PRICE!

916 MHZ 1/4 WAVE ANTENNA

Linx Technologies Inc. #ANT-916-JJB-RA Embeddable 1/4-Wave Monopole Antenna, 916 MHz (901-931 MHz). 50 ohm impedance, omnidirectional. 7mm diameter x 14.5mm high, right-angle mount. Through-hole feedline can attach directly to PC board. Okay for internal or external mounting. **CAT# ANT-38** \$1.35 each



45" TELESCOPING RC TX ANTENNA

45", 10-section telescoping antenna for RC transmitter. Collapsed length, 6". Threaded base.
CAT# ANT-50 \$2.50 each



INTEGRATED CIRCUITS

VOLTAGE REGULATORS

POSITIVE REGULATORS

CAT#	DESCRIPTION	CASE	each
7805T	+5 VOLT 1 AMP (LM340T-5)	TO-220	.50
TL780-05	+5V 1.5 WATT	TO-220	.70
78M05	+5 VOLT 500 MA (1/2 A)	TO-220	.50
7806T	+6 VOLT 1 AMP (LM340T-6)	TO-220	.50
7808T	+8 VOLT 1 AMP (LM340T-8)	TO-220	.50
7812T	+12 VOLT 1 AMP (LM340T-12)	TO-220	.50
7815T	+15 VOLT 1 AMP (LM340T-15)	TO-220	.50
78L05	+5 VOLT 100 MA	TO-92	.40
78L12	+12 VOLT 100 MA	TO-92	.40
S81250	+5 VOLT 100 MA	TO-92	.25

NEGATIVE REGULATORS

7905T	-5 VOLT 1 AMP (LM320T-5)	TO-220	.50
7908T	-8 VOLT 1 AMP	TO-220	.65
7912T	-12 VOLT 1 AMP (LM320T-12)	TO-220	.50

ADJUSTABLE REGULATORS

LM317T	ADJ. POSITIVE (1.2-37V)	TO-220	.70
LM317LZ	ADJ. POSITIVE (1.2-37V)	TO-92	.65
LM337T	ADJ. NEGATIVE (1.2-37V)	TO-220	1.50
LM350T	ADJ. POSITIVE 3 AMP	TO-220	3.50

LOGIC

CAT#	DESCRIPTION	pins	each
74HC86	QUAD 2-IN EXCL. OR GATE	(14)	.60
74HC126	QUAD 3-STATE BUS BUFFER	(14)	.25
74HC573	OCT D-TYPE LATCH	(20)	.45
74HC574	OCT D FLIP FLOP	(20)	.45
4001	QUAD NOR GATE	(14)	.35
4013	FLIP FLOP	(14)	.35
4017	DECADE COUNTER / DIVIDER	(16)	.60
MC14049	HEX INVERTING BUFFER	(16)	.40

LOGIC - SURFACE MOUNT

CAT#	DESCRIPTION	pins	each
74AHC574PWR			
	TRI STATE OCTAL FLIP-FLOP	(20)	.50
74HC08DR	QUAD 2-IN POS-AND GATES	(14)	.40

LINEAR SERIES

CAT#	DESCRIPTION	pins	each
TLO82	J-FET IN DUAL OP AMP	(8)	.70
ADM202EAN	LINE DRIVER RECEIVER	(16)	.75
LM311	COMPARATOR	(8)	.50
LM324	QUAD OP AMP	(14)	.50
LM339	QUAD COMP	(14)	.60
LF353	DUAL BI-FET OP AMP	(8)	.50
LM358	DUAL OP AMP	(8)	.65
LM380	2 WATT AUDIO AMP	(14)	2.40
LM386N	AUDIO AMP .25 W	(8)	1.25
LM393	LOW POWER DUAL COMP	(8)	.30
LM555	TIMER	(8)	.75
ICM7555	CMOS TIMER "555"	(8)	1.00
LM556	DUAL (555) TIMER	(14)	.45
LM567	TONE DECODER	(8)	.90
LM741	OP AMP (MC1741)	(8)	.90
MC1458	DUAL OP AMP (MC4558)	(8)	.50
MC14568	PHASE COMPARATOR & PROGRAM. COUNTER	(16)	.50
LM3914	BARGRAPH DIS. DRIVER	(18)	2.75
ULN2003	DARLINGTON ARRAY	(16)	.75
NE5532	DUAL LOW-NOISE OP AMP	(8)	.32
75451	DUAL PERIP. AND DRIVER	(8)	.40
75452	DUAL PERIP. NAND DR.	(8)	.40
75453	DUAL PERIP. OR DRIVER	(8)	.40

LINEAR - SURFACE MOUNT

CAT#	DESCRIPTION	pins	each
TL082C	DUAL OP AMP	(8)	.25
LM311D	COMPARATOR	(8)	.50
LM339D	QUAD COMPARATOR	(14)	.30
LM361M	HI-SPEED DIFF. COMP.	(14)	1.20
MC33079D	LOW NOISE DUAL OP-AMP	(14)	.35
NE5532D	DUAL LOW NOISE OP-AMP	(8)	.32
TL084C	J-FET QUAD OP AMP	(14)	.20

ICS FOR SPECIALIZED APPLICATIONS

Specifications / hook-up sheets available on our website

FAHRENHEIT TEMPERATURE SENSOR

National Semiconductor # LM34DZ.

Precision temperature sensor. Voltage is linearly proportional to the Fahrenheit temp. Operates on 5-30 Vdc. TO-92 package.

CAT# LM34DZ \$3.30 each



LIQUID LEVEL ALARM

ST Microelectronics# L4620.

Designed for liquid level control in automotive applications. 8-pin DIP.

CAT# L4620 45¢ each • 50 for 30¢ each



30 VDC REVERSIBLE MOTOR DRIVER

Rohm # B6886N. Drive small DC motors. 6.5 - 28 Vdc supply voltage. Two control logic inputs allow switching of four output states, forward, reverse, stop and braking. Interfaces with TTL and CMOS devices. SIP-10 package. **CAT# BA6886N \$2.00 each**



22CV10AP PEEL™

Programmable Electrically Erasable Logic (PEEL™) CMOS device.

15nS. 24 pin (narrow) DIP package.

CAT# 22CV10AP \$2.25 ea. • 10 for \$2.00 ea.



QUAD POWER DRIVER

Provide interface between low-level logic and power loads to 100W. 16 pin dip.

CAT# UDN2543B \$1.50 each



LCD DRIVER

National Semiconductor # MM145453V.

Can drive 4 1/2 digit, 7-segment display with minimal interface between the display and data source. Drives up to 33 LCD segments and can be paralleled to increase this number. 44-pin, surface-mount PLCC package.

CAT# MM145453V \$3.00 each



IC SOCKETS

SOLDERTAIL

PINS	CAT#	1-49	50-99	100+
6	ICS-6	.20	.15	.10
8	ICS-8	.20	.15	.10
14	ICS-14	.20	.15	.10
16	ICS-16	.25	.20	.15
18	ICS-18	.30	.25	.20
20	ICS-20	.40	.35	.30
22	ICS-22	.40	.35	.30



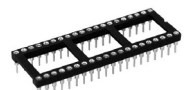
Special Reduced Price!

24	ICS-24	.15	.12	.10
1000 for \$50.00 (5¢ each)				

28	ICS-28	.45	.40	.35
40	ICS-40	.55	.50	.45
48	ICS-48	.65	.60	.50

HIGH RELIABILITY (MACHINED PINS) SOLDERTAIL

PINS	CAT#	1	10	100+
8	HRICS-8	.50	.45	.35
14	HRICS-14	.65	.60	.50
16	HRICS-16	.75	.70	.60
22	HRICS-22	.50	.45	.35
24	HRICS-24	.50	.45	.35
32	HRICS-32	.95	.85	.70
40	HRICS-40	1.20	1.15	1.05



NEW

24-PIN ZERO-INSERTION FORCE SOCKET

3M Textool #224-3344.
Zero Insertion Force (ZIF) test and burn-in socket for 24 pin DIP devices. Lever actuated grab and release mechanism. For DIP parts with 0.1" x 0.6" lead spacing. **CAT# ZIF-24** \$4.00 ea.



FULL WAVE BRIDGE RECTIFIERS

1 AMP 100 PIV MINI-DIP

Fits 8-pin DIP socket. **CAT# FWB-11**
35¢ each • 100 for 20¢ each



1 1/2 AMP BRIDGES

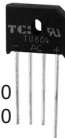
TO-5 case 3/8" dia.



1.5A 200V **CAT# FWB-14** 40¢ each
1.5A 400V **CAT# FWB-15** 50¢ each

IN-LINE BRIDGE RECTIFIERS

Four leads on 0.2" centers.



Amps	Volts	CAT#	Price	100
4	600	FWB-46	2/\$1.00	\$35.00
6	400	FWB-64	.85 ea	\$65.00

25 AMP BRIDGES 1 1/8" square.

200 P.I.V. **CAT# FWB-252** \$2.50 each
400 P.I.V. **CAT# FWB-254** \$3.00 each
600 P.I.V. **CAT# FWB-256** \$3.50 each



35 AMP BRIDGES 1 1/8" square.

200 P.I.V. **CAT# FWB-352** \$2.50 each
10 for \$22.50 • 100 for \$175.00
400 P.I.V. **CAT# FWB-354** \$4.00 each
600 P.I.V. **CAT# FWB-356** \$4.50 each
800 P.I.V. **CAT# FWB-358** \$4.75 each



TRANSISTORS



TO-92 TO-18 TO-220 TO-3

J FETS

J176 P-CHANNEL TO-92
CAT# J176 5 for \$1.00

TRIAC

CAT#	AMP	VOLT	CASE	PRICE	10
Q6015L5	15	600	TO-220	1.35	1.20

BILATERAL TRIGGER (DIAC)

CAT # DB-3 28-36 volt **3 for \$1.00 100/\$27.00**

PROGRAMMABLE UNIJUNCTION

40 volts, 300 mW. TO-92
CAT# 2N6028 3 for \$1.00
100 for 25¢ each



DARLINGTON TRANSISTORS

CAT#	Desc	Ea	100+
BU941ZP	NPN, TO-218	\$1.75	
GES-5307	NPN, TO-92	5 for 50¢	.08
MPSA13	NPN, TO-92	5 for 50¢	.08
TIP120	NPN, 5A 60V, TO-220	.75	.65

TRANSISTORS

CAT#	Description	Each	100
D33D30	NPN, TO-92	5 for \$1.00	.16
D45H5	PNP, TO-220	.75	.65
2SC1775A	NPN, TO-92	5 for \$1.00	.16
PN2222A	NPN, TO-92	5 for .80	.15
2N2222A	NPN, TO-18	2 for 1.00	.40
PN2905	PNP, TO-92	10 for .50	.04
2N2906	PNP, TO-18	2 for \$1.00	.35
PN2907	PNP, TO-92	5 for .75	.10
2N3055	NPN, TO-3	1.25	.95
PN3646	NPN, TO-92	5 for .75	.08
2N3904	NPN, TO-92	5 for .75	.13
2N3906	PNP, TO-92	5 for .75	.13
2N4124	NPN, TO-92	5 for .75	.13
2N4400	NPN, TO-92	5 for .50	.08
2N4401	NPN, TO-92	5 for .75	.13
2N4403	PNP, TO-92	10 for .80	.05
2SC2352	NPN, TO-92	3 for 1.00	.29
KSP8599	PNP, TO-92	5 for .50	.08
MPS8599	PNP, TO-92	5 for .50	.08
MPSA43	NPN, TO-92	5 for \$1.00	.16
MPSA55	PNP, TO-92	5 for .75	.10
MPSA92	NPN, TO-92	3 for \$1.00	.28
TIP31C	NPN, 3A 100V, TO220	.45	.35
TIP32C	PNP, 3A 100V, TO220	.35	.30
TIP35	NPN, 5A 40V, TO220	\$1.25	.90
TIP42C	PNP, 6A 100V, TO220	.45	.30
ZTX651	NPN, 2A, 80V, TO-92	.35	.30

PHOTO-DIODES

Ledtech # LT4W55-2120-EA
Black, side-looking photo diode.
CAT # PD-2 2 for \$ 1.30 • 50 for \$ 25.00



QSE773, side-looking photo-diode.

CAT# PD-7 2 for \$1.00
100 for 35¢ each



Perkin Elmer VTP8651. Two pin dip package.
Arrays can be formed by positioning devices
side by side. 4.62mm x 4.11mm x 1.07mm deep.
CAT# PD-6 3 for \$1.00 • 100 for 24¢ each



N-CHANNEL MOSFETS, TO-220

BUZ11A 26 Amp, 50 Volt, 0.055 Ohms.
With right-angle pre-formed leads.
CAT# BUZ11A 75¢ each
10 for 65¢ each 100 for 55¢ each

BUZ101S SIPMOS Power Transistor Vds. 55V,
22A, 0.06 Ohms **CAT# BUZ101S** 55¢ each
10 for 50¢ each • 100 for 35¢ each

FS7KM 16A 7013, N-Channel Power Mosfet.
High speed switching use, 250V 7A.
CAT# FS7KM 55¢ each
10 for 50¢ each • 100 for 35¢ each

IRF734 1.2 Ohms (max.). 450 V (min.).
4.9 A (max.). 62 deg C.
CAT# IRF734 65¢ each
10 for 55¢ each • 100 for 45¢ each

IRFZ40 50 Amp 50 Volt **CAT# IRFZ40**
\$1.25 each • 10 for \$1.10 each

MTP75N03HDL 75Amp 25V power
CAT# MTP75N03HDL \$1.75 each
10 for \$1.50 each

TO-92 SOCKET

CAT# STR-92
4 for \$1.00 • 100 for \$20.00



PHOTO-TRANSISTORS

Ledtech # LT9593-91-0125.

Water-clear T 1 3/4 with flat face.

CAT # PTR-1 2 for \$1.30 • 50 for \$25.00



EETP140. Three-lead side looking

optoelectronic device. 0.14"x 0.16" x 0.11" thick. Raised. 0.05" diameter lens.

CAT# PTR-2 4 for \$1.00



Rohm #RPT-38PB3F. Top-view NPN

silicon planar phototransistor. Visible light filter to minimize stray light interference. T1, 3mm diameter package.

CAT# PTR-4 2 for 80¢



OPTOISOLATORS

6 pin DIP package

CAT#	Description	1	10	100
IL2	NPN transistor output	.35	.30	.25
4N25	NPN transistor output	.45	.40	.35
4N26	NPN transistor output	.40	.35	.30
4N27	NPN transistor output	.45	.40	.30
4N33	NPN darlington output	.50	.45	.35
4N35	NPN transistor output	.60	.50	.40
H11D1	NPN transistor output	.60	.50	.40
MOC3022	Triac output	1.00	.90	.70



DIODES

HIGH VOLTAGE RECTIFIER

CAT#	VOLT	AMP	PRICE	100	1000
R6000	6000	0.2	.50	40.00	300.00

RECTIFIER DIODES

CAT#	VOLT	AMP	PRICE	100	1000
1N4001	50	1	15 / \$1.00	5.00	40.00
1N4002	100	1	12 / \$1.00	6.00	50.00
1N4003	200	1	10 / \$1.00	8.00	70.00
1N4004	400	1	9 / \$1.00	9.00	75.00
1N4005	600	1	8 / \$1.00	10.00	85.00
1N4007	1000	1	6 / \$1.00	12.00	100.00
1N4937	600	1	10 / 90¢	6.00	45.00
1N5400	50	3	3 / 60¢	12.50	100.00
1N5402	200	3	3 / 70¢	15.00	110.00
1N5404	400	3	3 / 80¢	17.00	130.00
1N5406	600	3	4 / \$1.00	20.00	150.00
1N5408	1000	3	3 / \$1.00	30.00	250.00
D620	200	6	2 / 90¢	40.00	350.00
6A4	400	6	2 / 85¢	35.00	200.00
D660	600	6	2 / \$1.00	45.00	400.00
G1851	600	3	4 / \$1.00	15.00	110.00

Special - cut and bent leads

1N5406S	600	3	5 / \$1.00	12.00	80.00
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1A RECTIFIERS – AMMO PACK SPECIALS

1N4001 50V

CAT# 1N4001-TR

100 for \$3.00 (\$0.03 each)

1000 for \$20.00 (\$0.02 each)

3000 for \$45.00 (\$0.015 each)

1N4004 400V

CAT# 1N4004-TR

100 for \$3.75 (\$0.0375 each)

1000 for \$25.00 (\$0.025 each)

5000 for \$75.00 (\$0.015 each)

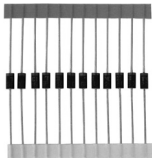
1N4006 800V

CAT# 1N4006-TR

100 for \$5.00 (\$0.05 each)

1000 for \$40.00 (\$0.04 each)

3000 for \$105.00 (\$0.035 each)



SCHOTTKY DIODES

CAT#	amp	PIV	price	100
1N5817	1	20	3/\$1.00	27.00
1N5819	1	40	3/\$1.00	27.00
1N5822	3	40	3/\$1.25	35.00
MBR1545CT	15	45	\$1.00 ea.	80.00
MBR2545CT	25	45	\$1.20 ea.	95.00
STPS30L40CW	30	40	\$2.00 ea.	170.00

40 AMP 600 VOLT RECTIFIERS

DO-5 case, stud-mount rectifier.

1N1190A Cathode case \$ 3.50 each

1N1190AR Anode case \$ 3.50 each



0.4 AND 0.5 WATT ZENER DIODES

CAT#	VOLTAGE	WATTS	
1N957B	6.8	0.4	4 OF ONE VALUE \$1.00
1N5242	12	0.5	
1N5244	14	0.5	100 OF ONE VALUE \$20.00

1 WATT ZENER DIODES

All Zeners listed are 5 OF ONE VALUE \$1.00
100 OF ONE VALUE \$15.00

CAT#	VOLTAGE	CAT#	VOLTAGE	CAT#	VOLTAGE
1N4728	3.3	1N4734	5.6	1N4742	12
1N4729	3.6	1N4735	6.2	1N4744	15
1N4730	3.9	1N4737	7.5	1N4745	16
1N4731	4.3	1N4739	9.1		
1N4733	5.1	1N4740	10		

5W ZENER DIODES

CAT#	VOLTS	PRICE	100
1N5349B	12V	4 for \$1.00	\$20.00
1N5354B	17V	4 for \$1.00	\$20.00
1N5358B	22V	4 for \$1.00	\$20.00

SWITCHING DIODES

CAT#	PRICE	100	1000
1N914	15 for \$1.00	\$5.00	\$35.00
1N916	15 for \$1.00	\$5.00	\$35.00
1N4148	15 for \$1.00	\$5.00	\$35.00
1N4448	15 for \$1.00	\$5.00	\$35.00

ULTRAFAST RECTIFIERS

16 Amp 200V TO220AB

CAT# G12404 90¢ each

100 for 70¢ each



DUAL ULTRAFAST

200V 10A, TO-220F plastic package.

CAT# BYQ28X-200

75¢ each • 100 for 55¢ each



1N4936 1A 400V

FAST RECOVERY DIODE

Axial leaded, DO-41 package.

CAT# 1N4936 15 for \$1.00

100 for \$4.00 • 1000 for \$35.00



3A 1000V ULTRA-FAST RECTIFIER

Vishay UF5408.

Soft recovery, ultrafast rectifier. DO-201AD package. Tape & reel (E3/54) packaging.

CAT# UF5408 10 for \$3.00

100 for 25¢ each • 1400 for 15¢ each

4A 600V ULTRAFAST RECTIFIER

Motorola# 460 9909, 4A 600V.

CAT# MUR460

10 for \$3.50 100 for 27¢ each

