

# DEPARTMENT OF ELECTRONICS ENGINEERING



## SYMBOLS

Battery	Ground	AC Source	DC Source	Resistor	Variable Resistor	Potentiometer
LDR	Varistor	Thermistor	Preset	Capacitor	Variable Capacitor	Electrolytic Capacitor
Preset Capacitor	Gang Capacitor	Air Core Inductor	Iron Core Inductor	Ferrite Core Inductor	Variable Inductor	Preset Inductor
Step Down Transformer	Step Up Transformer	Auto Transformer	AF Transformer	Diode	Zener Diode	Schottky Diode
LED	Photo Diode	Tunnel Diode	Varactor Diode	Gunn Diode	PNP Transistor	NPN Transistor
Photo Transistor	P-Channel JFET	N-Channel JFET	P-Channel DMOSFET	N-Channel DMOSFET	P-Channel EMOSFET	N-Channel EMOSFET
UJT	DIAC	TRIAC	SCR	LASCR	IGBT	GTO

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## ELECTRONIC COMPONENTS

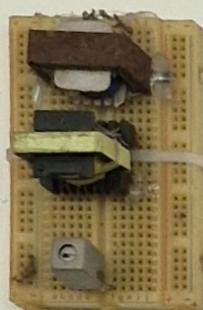
PASSIVE



### INDUCTORS

1. Drum Ferrite Core Inductor
2. Bead Ferrite Core Inductor
3. Torroid Ferrite Core Inductor
4. Miniature Inductor

PASSIVE



### TRANSFORMERS

1. Audio Frequency Transformer
2. Radio Frequency Transformer
3. Intermediate Frequency Transformer

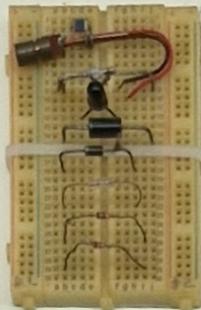
PASSIVE



### RELAYS

1. DPDT Relay
2. PCB Mounting Relay
3. Miniature Relay

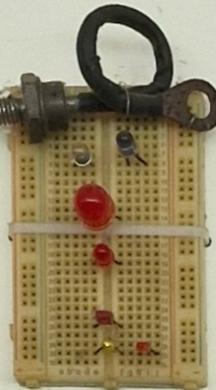
ACTIVE



### DIODES

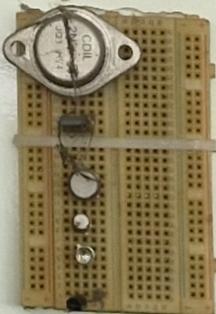
1. PIN Diode
2. Laser Diode
3. Avalanche Diode
4. Photo Diode (SR Diode)
6. Power Diode
7. Silicon Diode
8. Germanium Diode OA79  
(Point Contact)
9. Zener Diode
10. Signal Diode IN 4148

ACTIVE



- 1) Power Diode (40A)
- 2) Infra Red LED
- 3) Light Emitting Diode 8mm
- 4) Light Emitting Diode 5mm
- 5) Light Emitting Diode 3mm
- 6) Light Emitting Diode(Box Type)
- 7) Indicator LEDs

ACTIVE



### TRANSISTORS

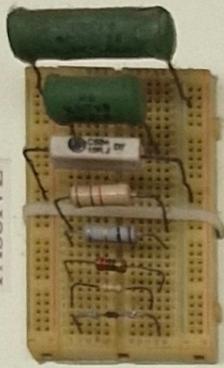
1. Power Transistor 2N3055  
(TO 3 Package)
2. Transistor  
(TO 126 Package)
3. Silicon Transistor SL100  
(TO3 Package)
4. Transistor  
(TO 18 Package)
5. Photo Transistor  
(TO 18 Package)
6. Transistor BC547  
(TO 92 Package)

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## ELECTRONIC COMPONENTS

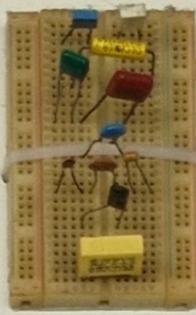
PASSIVE



### FIXED RESISTORS

1. Wire Wound resistor 10W
2. Wire Wound resistor 5W
3. Wire Wound Fusible Resistor 5W
4. Carbon Composition Resistor 2W
5. Ceramic Carbon Composition Resistor 1W
6. Metal Film Resistor 1W
7. Carbon Composition Resistor 1/2W
8. Carbon Composition Resistor 1/4W
9. Carbon Composition Resistor 1/8W

PASSIVE



### FIXED CAPACITORS

- (Non Polar)
1. PVC Box Capacitor
  2. Paper Capacitor
  3. Polyester Capacitor
  4. Ceramic Capacitor (High Voltage)
  5. Ceramic Disc Capacitor
  6. Polystyrene Capacitor
  7. Polycarbonate Capacitor

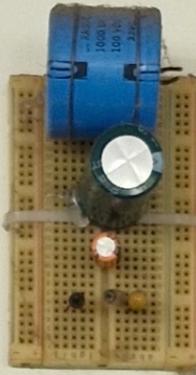
PASSIVE



### VARIABLE RESISTORS

1. Multiturn Potentiometer (Wire Wound)
2. Singleturn Potentiometer
3. Carbon Composition Potentiometer
4. Preset (Vertical)
5. Trimpot (Vertical)
6. Preset (Horizontal)
7. Trimpot (Horizontal)

PASSIVE



### POLARIZED CAPACITORS

1. Aluminium Electrolytic Capacitor 1000  $\mu$ F, 100V
2. Aluminium Electrolytic Capacitor 150  $\mu$ F, 450V
3. Aluminium Electrolytic Capacitor 33  $\mu$ F, 63V
4. Tantallum Electrolytic Capacitor 33  $\mu$ F, 63V

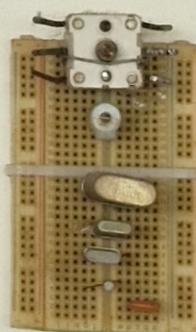
PASSIVE



### VARIABLE RESISTORS (Special Type)

1. LDR 20mm
2. LDR 8mm
3. LDR 5mm
4. Metal Oxide Varistor
5. Thermistor (PTC)
6. Thermistor (NTC)

ACTIVE



### VARIABLE CAPACITORS

1. Air Gang Capacitor
2. Trimmer Capacitor

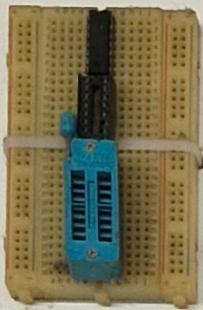
### CRYSTALS

1. Ceramic Resonators
2. Crystal Oscillator -1 mHz
3. Crystal Oscillator -Tubular
4. Crystal Oscillator -20 mHz
5. Crystal Oscillator -30 mHz

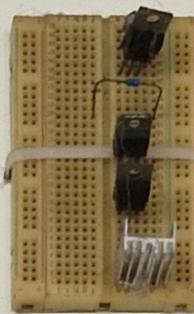
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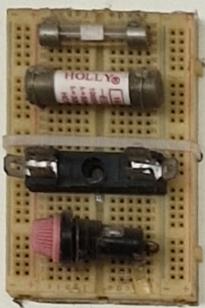


- 1. IC 14 Pin
- 2. IC Base 16 Pin
- 3. ZIF Socket

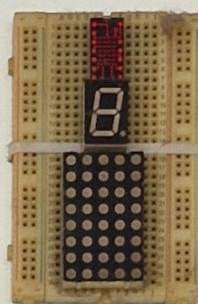


ACTIVE

- 1. JFET
- 2. MOSFET
- 3. Diac
- 4. Triac
- 5. SCR
- 6. Heat Sink

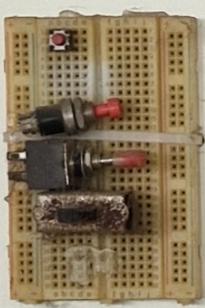


- FUSES
- 1. Glass Cartridge Fuse
- 2. HRC Fuse
- 3. Cartridge Fuse Base
- 4. Panel Mounting Fuse Holder



ACTIVE

- DISPLAY
- 1. Alphanumeric Display
- 2. Seven Segment Display
- 3. Dot Matrix Display



- SWITCHES
- 1. Micro Switch Slide Switch
- 2. DIP Switch
- 3. Push switch
- 4. Toggle Switch DIP Switch
- 5. Sliding Switch
- 6. Rocker Switch



- CONNECTORS
- 1. XLR Connector
- 2. BNC Connector
- 3. Mono Jack
- 4. Stereo Jack
- 5. DC Connector
- 6. RCA Connector

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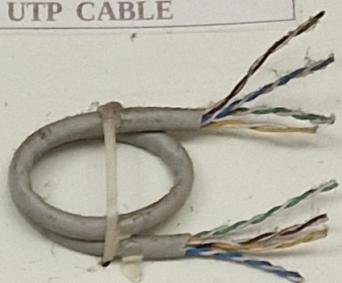
SINGLE STRAND WIRE



MULTI STRAND WIRE



UTP CABLE



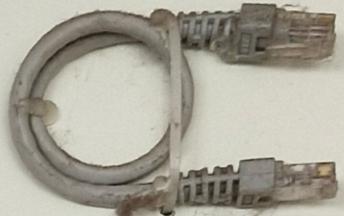
SATA CABLE



RJ 11 CABLE



RJ 45 CABLE



USB A - USB B CABLE



RF COAXIAL CABLE



FLAT RIBBON CABLE



RS 232 CABLE



DVI - VGA & USB CABLE



VGA CABLE

