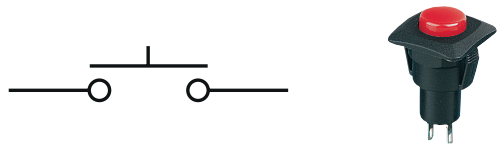


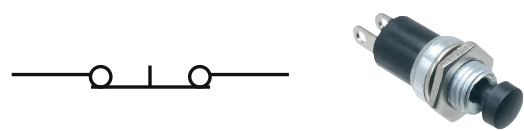
Common components

Input

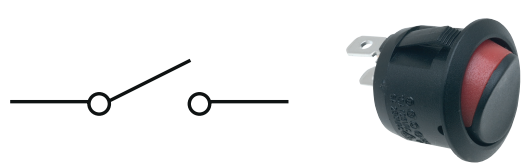
PTMS
(Push To Make Switch)



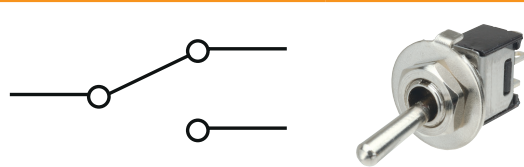
PTBS
(Push To Break Switch)



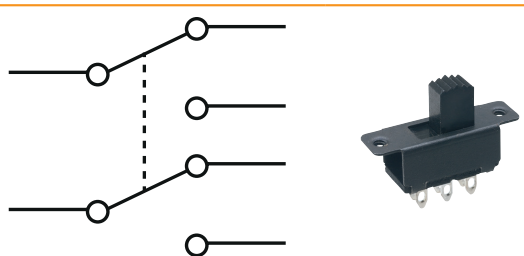
SPST
(Single Pole
Single Throw)



SPDT
(Single Pole
Double Throw)



DPDT
(Double Pole
Double Throw)



Microswitch



Keypad



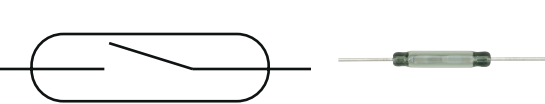
Tilt Switch



Vibration Switch



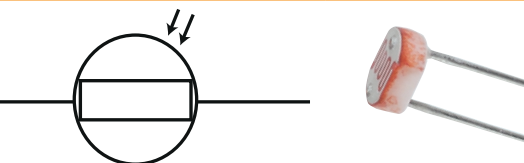
Reed Switch



Rotary Switch



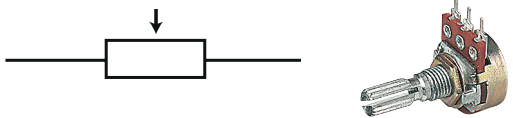
LDR
(Light Dependent
Resistor)



Thermistor



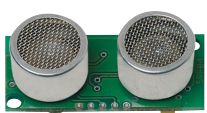
Potentiometer



Microphone



**UltraSonic
Range Finder**

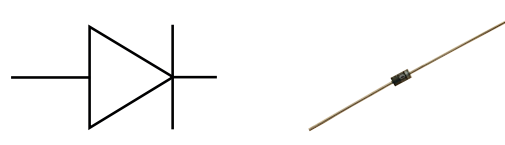


**Infrared
Receiver**

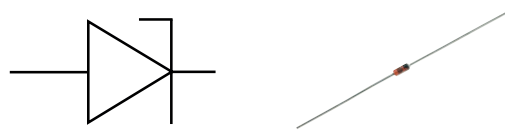


Process

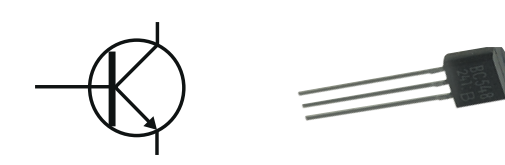
Diode



Zener Diode



Transistor



Thyristor



FET
(Field Effect Transistor)



555 IC



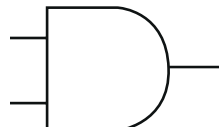
741 IC Op Amp



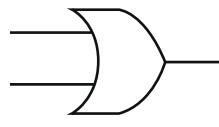
Sound Generator



**AND Gate
4081 IC**



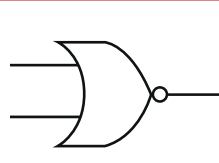
OR Gate 4071 IC



**NAND Gate
4011 IC**



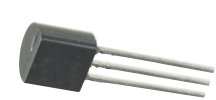
**NOR Gate
4001 IC**



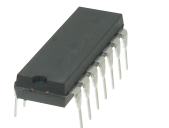
**EX OR Gate
4070 IC**



**Melody
Generator**



**Stepper Motor
Driver**



PICAXE



GENIE



Arduino



Raspberry Pi



Output

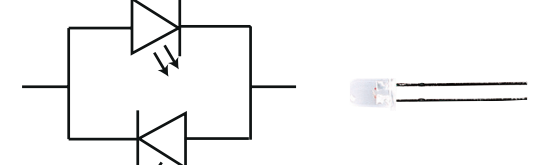
Lamp



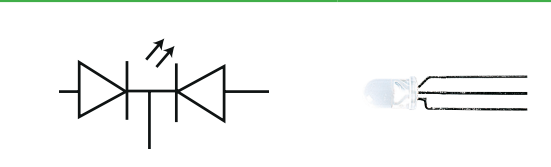
LED
(Light Emitting Diode)



Bi-coloured LED



Tri-coloured LED



**PCB Mounted
Buzzer**



Transistor Buzzer



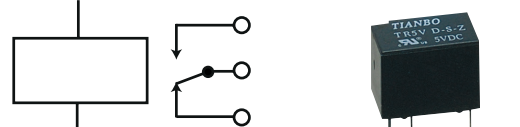
Uncased Piezo



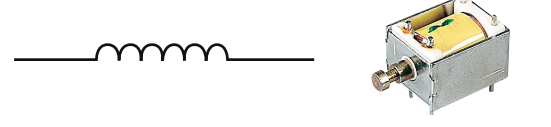
**7 Segment
Display**



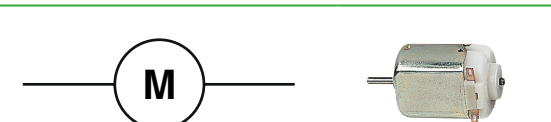
Relay



Solenoid



Motor



Solar Motor



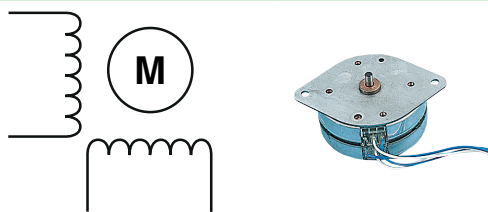
**Gear Box
with Motor**



Servo



Stepper Motor



Speaker



Miniature Speaker



LCD and Driver
(Liquid Crystal Display)



Musical Buzzer



Siren



www.rapidonline.com

Rapid Education, Severalls Lane, Colchester, Essex CO4 5JS • Tel: 01206 751166 • Fax: 01206 751188 • Email: sales@rapidelec.co.uk
Rapid Education part of the **CONRAD** Group

Rapid
education

M0284
07/14

