



Level 1





Code **Starter** to make dance moves randomly





Parts


Servo Motors (180°)


 Left Leg
GVS

 Right Leg
GVS


 Left Feet
GVS

 Right Feet
GVS

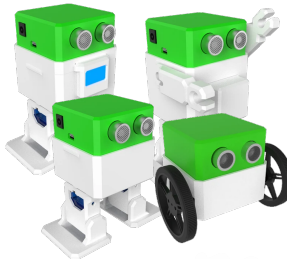




Level 1




Code an electronic musical instrument controlled by ultrasound
" **Theremin** "





Parts


Ultrasonic sensor



VCC Trig Echo Gnd

Buzzer







Level 2



Code **Humanoid** to be happy and raise arms when you clap



Parts

Servo Motors (180°)

 Left Arm
GVS

 Right Arm
GVS

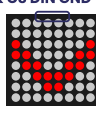
Sound Sensor




GND OUT VCC


LED Matrix 8x8

CLK CS DIN GND VCC




Level 1





Code **Wheels** to avoid obstacles



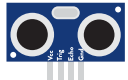
Parts

Servo Motors (360°)


 Left Wheel
GVS


 Right Wheel
GVS

Ultrasonic sensor




VCC Trig Echo Gnd






Level 3

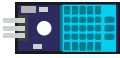


Code **Smart** to be a Weather station for temperature and humidity




Parts

Temperature and Humidity sensor



VCC OUT GND



Touch sensor




VCC I/O GND


OLED display

GND VCC SCL SDA







Level 1





The force is with you!
Code **Wheels** to follow & avoid your hand




Parts

Servo Motors (360°)


 Left Wheel
GVS


 Right Wheel
GVS

Ultrasonic sensor




VCC Trig Echo Gnd

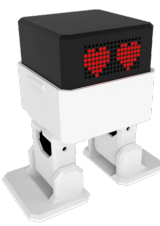




Level 1





Code **Emotions** to have random emotions





Parts

Servo Motors (180°)


 Left Leg
GVS

 Right Leg
GVS

 Left Feet
GVS

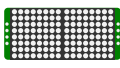

 Right Feet
GVS

Buzzer



LED Matrix 16x8

VCC GND SDA SCL



Level 1



Code **Ninja** to walk transform and roll around



Parts

Servo Motors

 180° Left Leg
GVS

 180° Right Leg
GVS

 360° Left Feet/Wheel
GVS

 360° Right Feet/Wheel
GVS



