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Arduino入门

——只有想不到，没有做不到。

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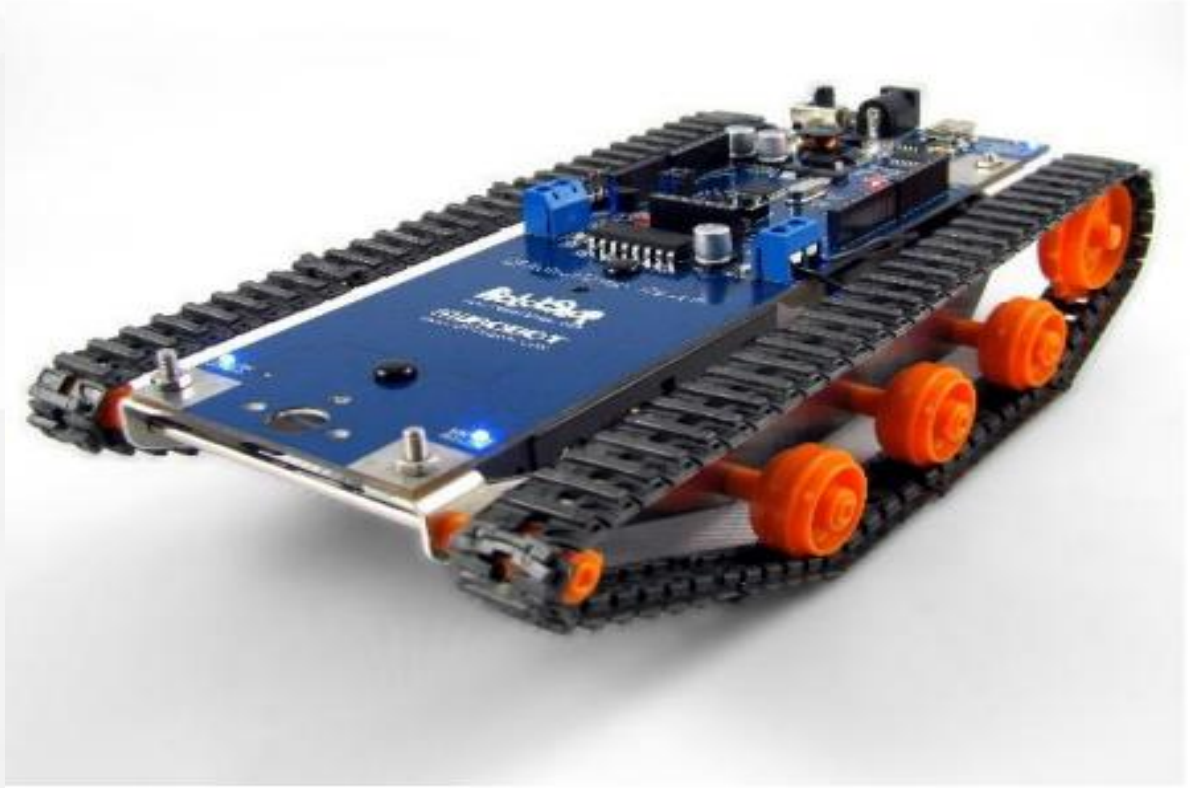
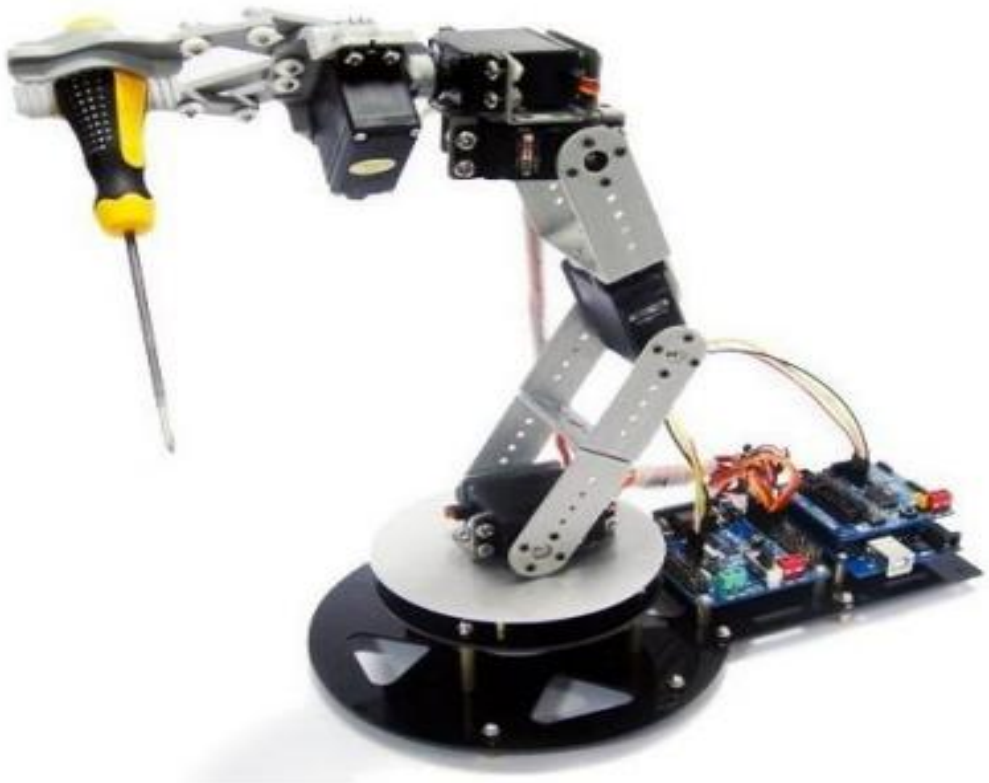
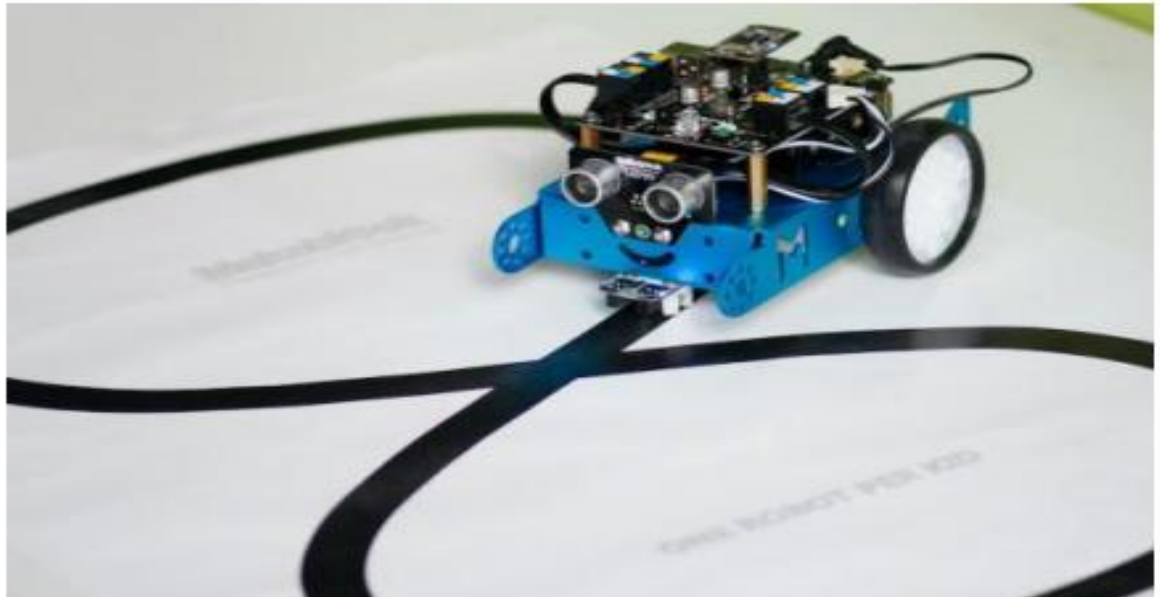
本节课重点解决以下问题：

1. 什么是Arduino？Mixly能做什么？
2. Arduino板卡上都有什么？
3. 如何安装Arduino驱动？





ARDUINO
SPLORA



Arduino 开源系统简介

可以完成的例子：

当咖啡煮好时，咖啡壶就发出“吱吱”声提醒；

当邮箱有新邮件时，电话就会发出铃声通知；

自制一个心率监测器，将每次骑脚踏车的记录存进存储卡；

复制一张门禁卡、饭卡；

Arduino 开源系统简介

Arduino是一个开放源码电子原型平台，拥有灵活、易用的硬件和软件(板子及在此之上的软件)。

Arduino可以接收来自各种传感器的输入信号从而做到监测环境的效果，并通过控制光源，电机以及其他执行器来影响其周围环境(类似于人类的工作)。

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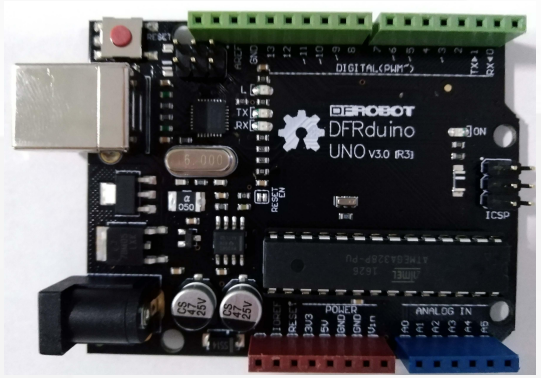
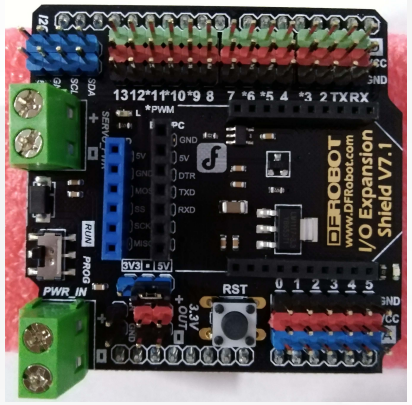
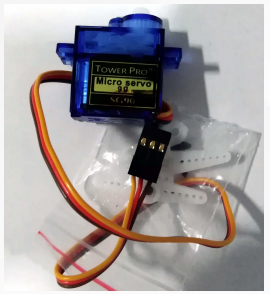
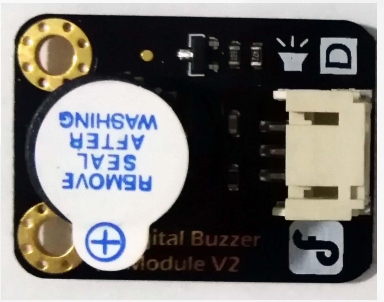
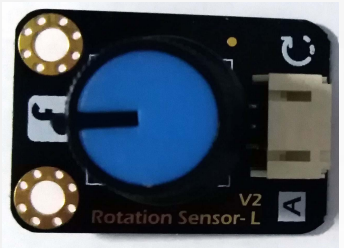
Mixly 创意电子标准套件介绍

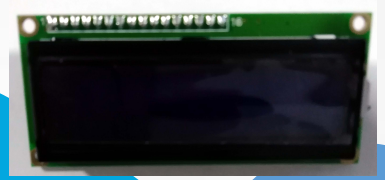


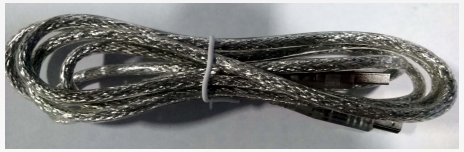












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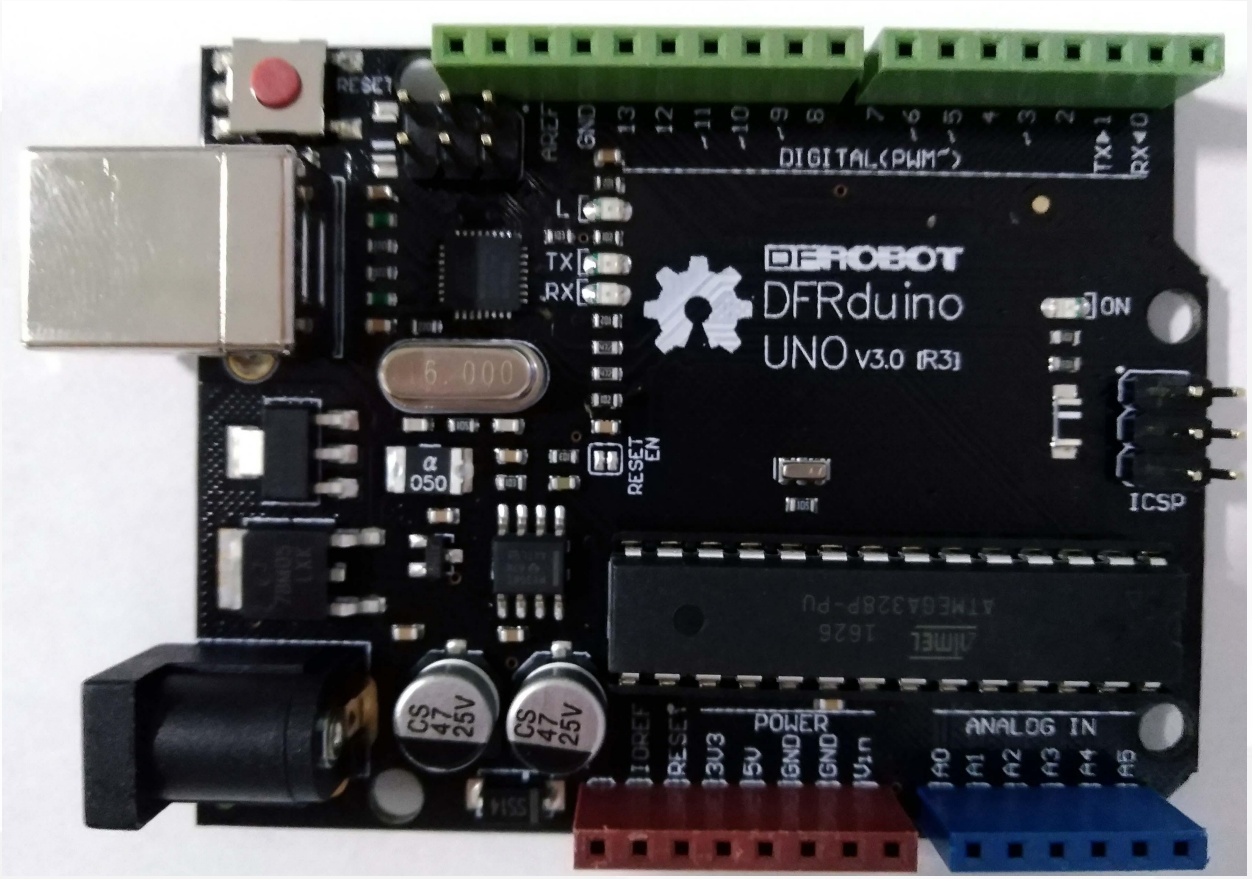

DFRduino UNO

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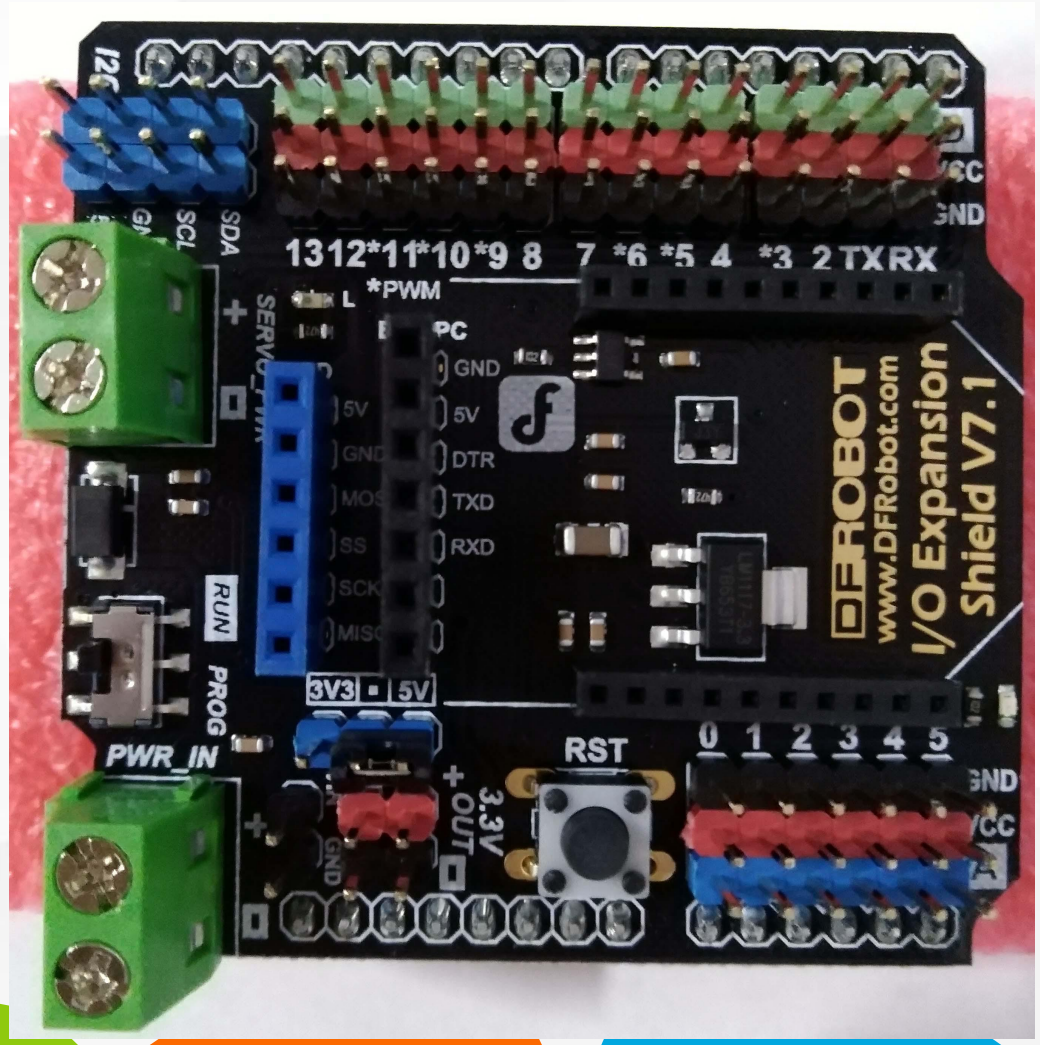
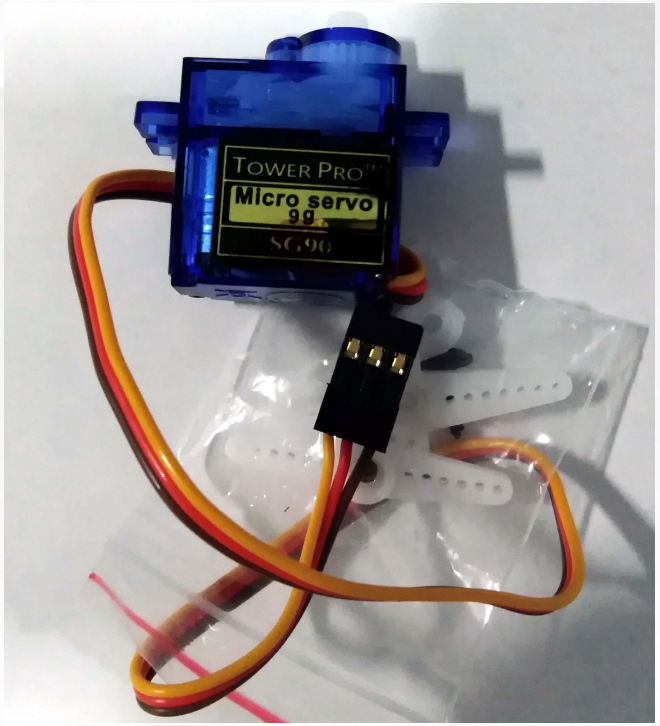
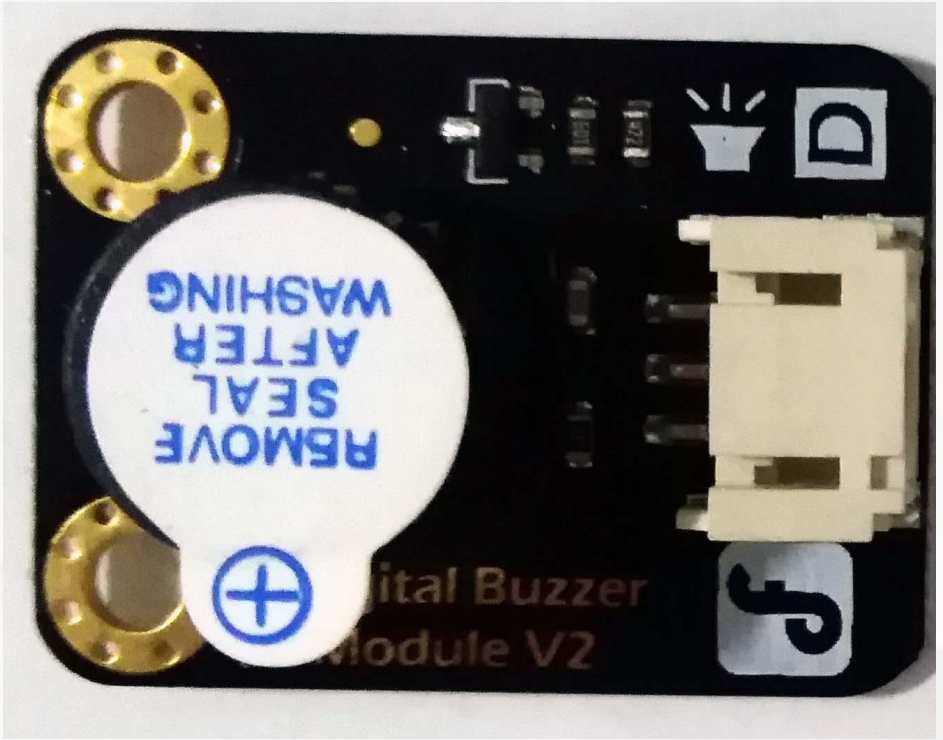


IO传感器扩展板





舵机

蜂鸣器模块

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温度传感器

红外遥控器及接收模块

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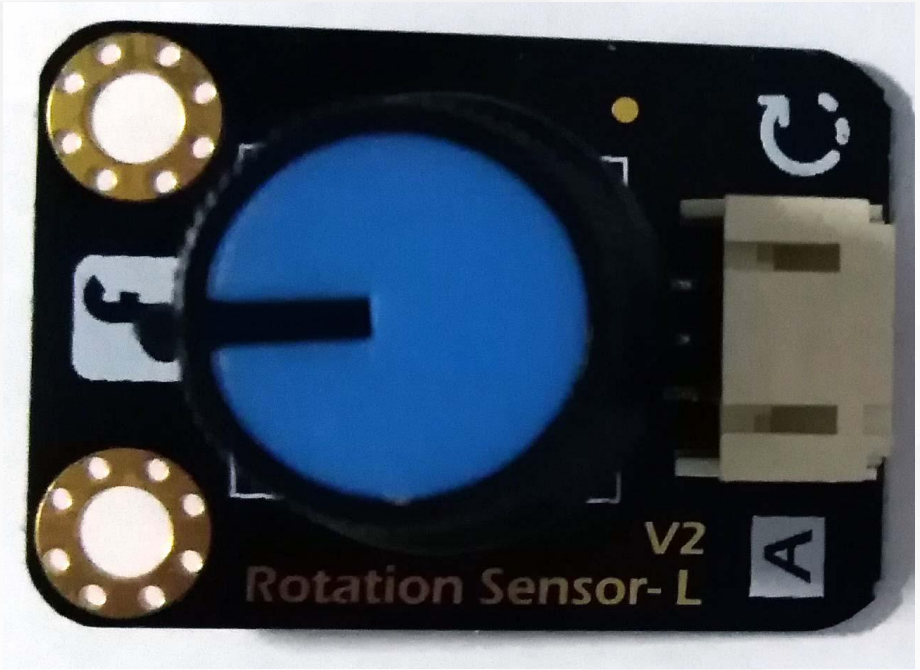

角度传感器

环境光线传感器

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温度传感器

按钮模块

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声音传感器

红外接近传感器

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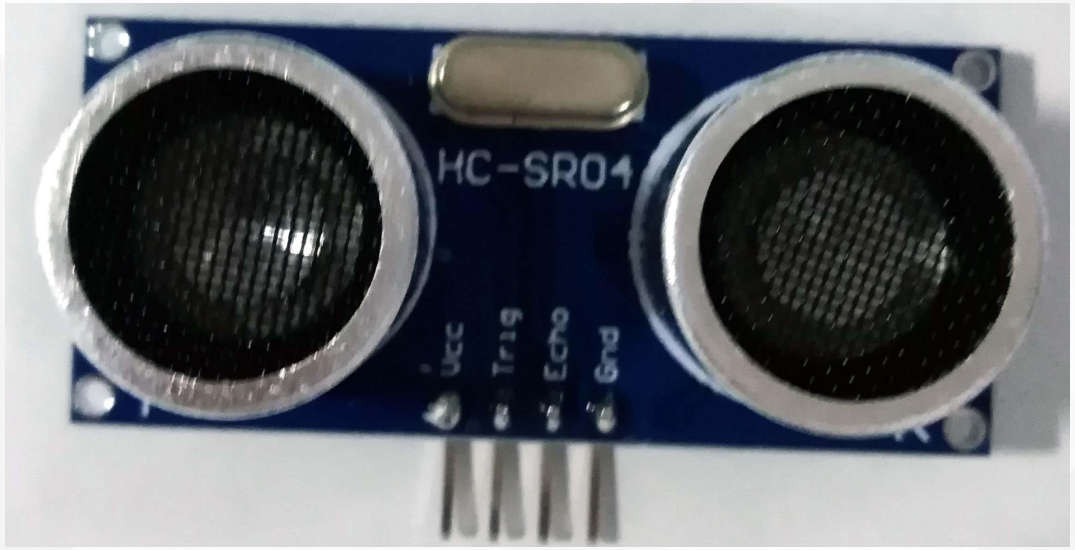
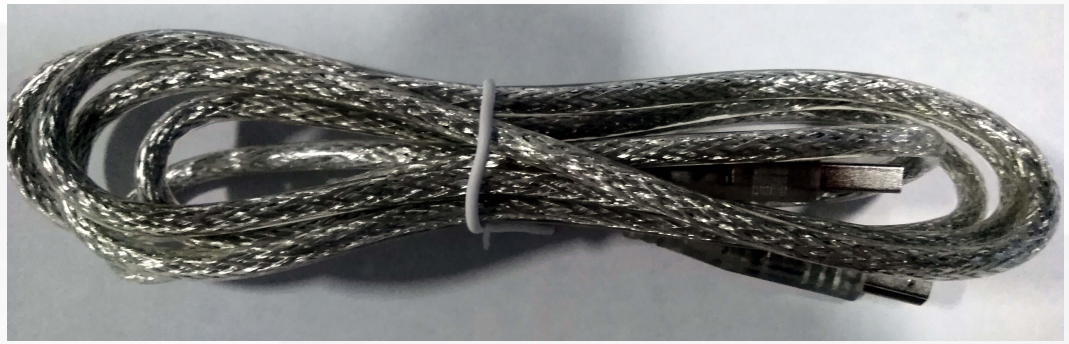
液晶显示屏



超声波测距传感器



方口USB数据线

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红色Led灯

蓝色Led灯

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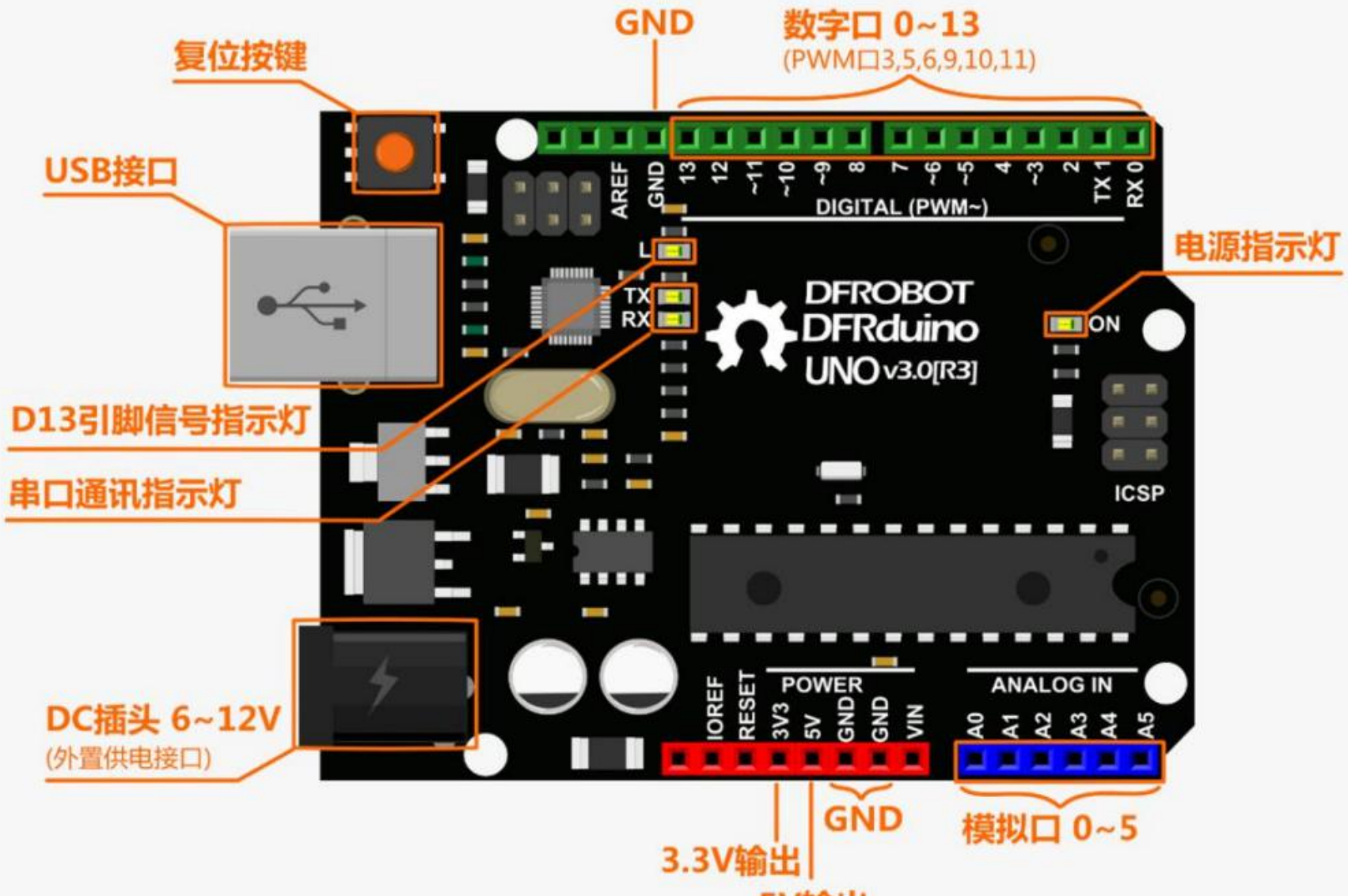
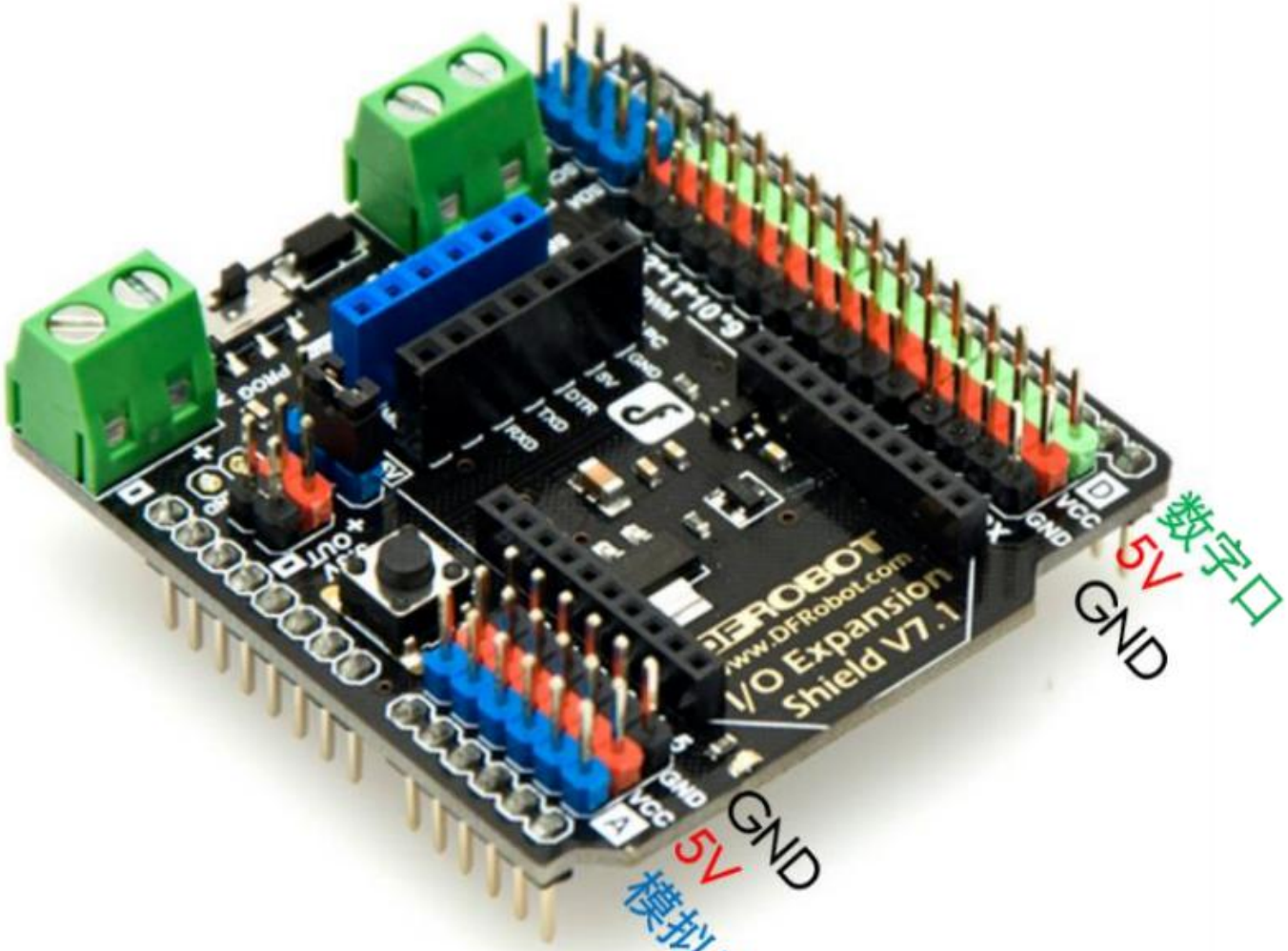
Arduino UNO 介绍



注意：说明文字的颜色对应原件导线的颜色。