

# PLATAFORMA ARDUINO



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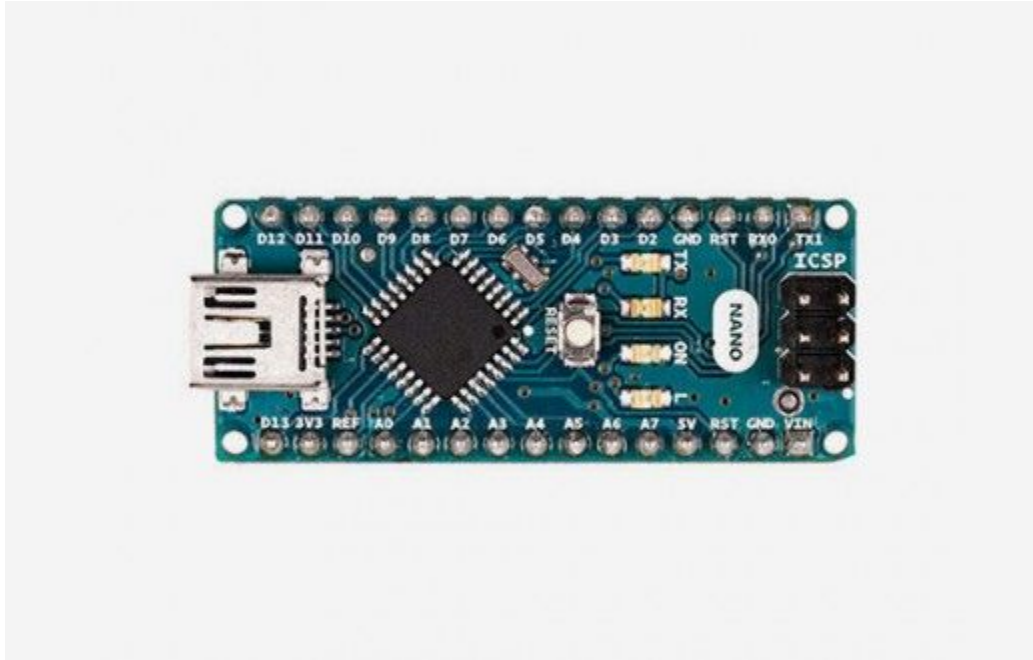
- Arduino é uma plataforma eletrônica de código aberto baseada em hardware e software fáceis de usar.
- Arduino nasceu no Ivrea Interaction Design Institute como uma ferramenta fácil para prototipagem rápida.
- Barato
- Cross-platform
- Ambiente de programação simples e claro
- Software de código aberto e extensível
- Hardware de código aberto e extensível

# PLATAFORMA ARDUINO



- TIPOS
- IDE
- SHIELDS
- SENSORES
- MOTORES
- PROTOBOARD
- COMPONENTES

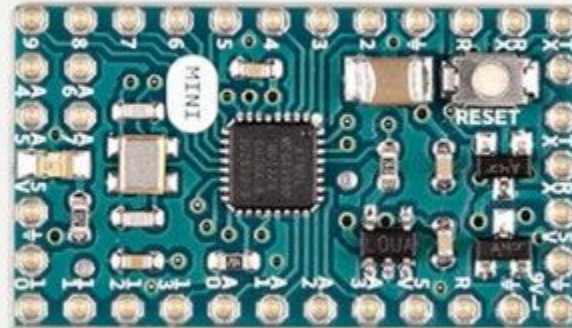
# ARDUINO NANO



# ARDUINO LEONARDO



# ARDUINO MINI



# ARDUINO MEGA

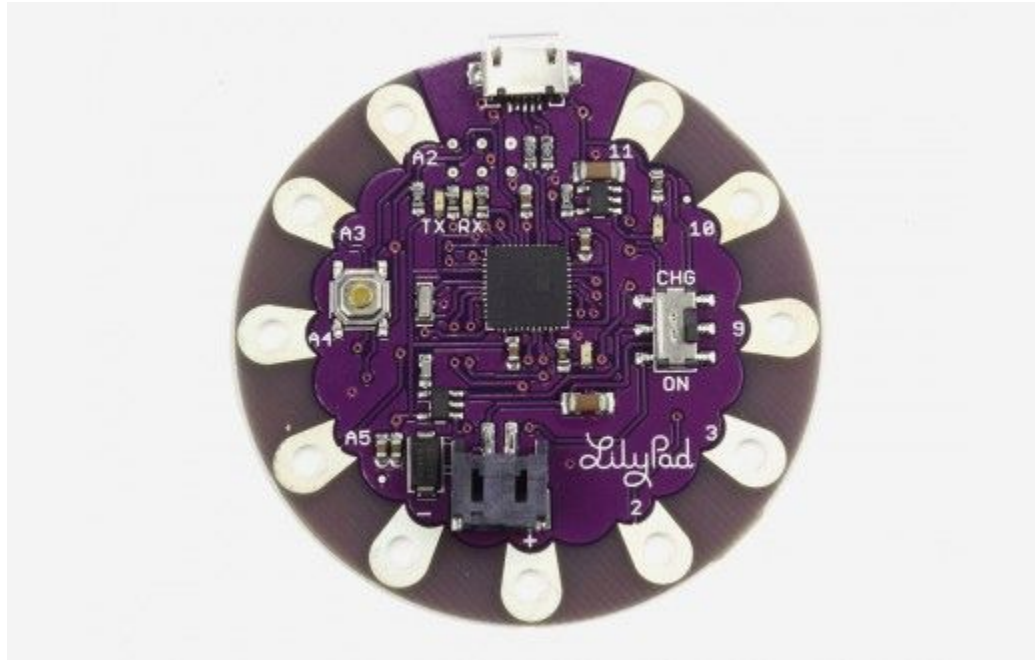


# ARDUINO GEMMA





# LILYPAD ARDUINO USB

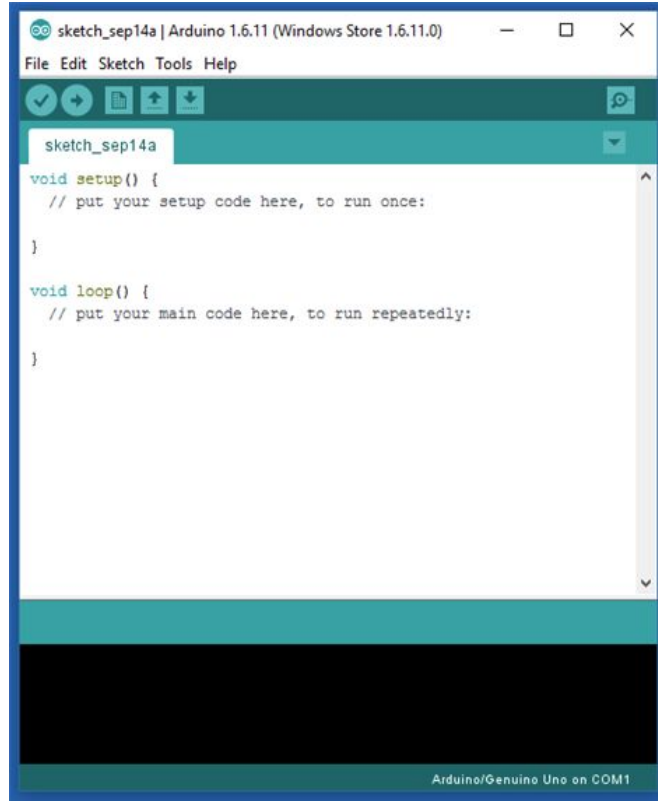


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# IDE ARDUINO

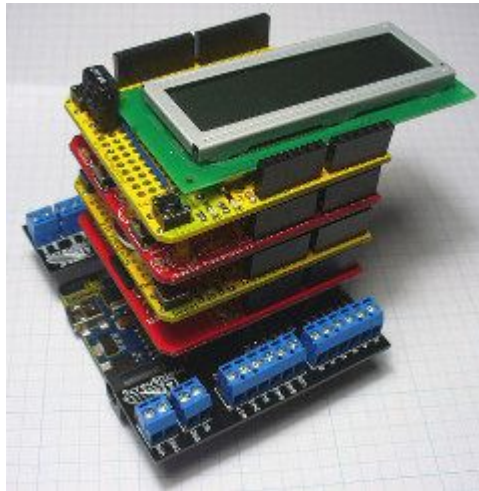


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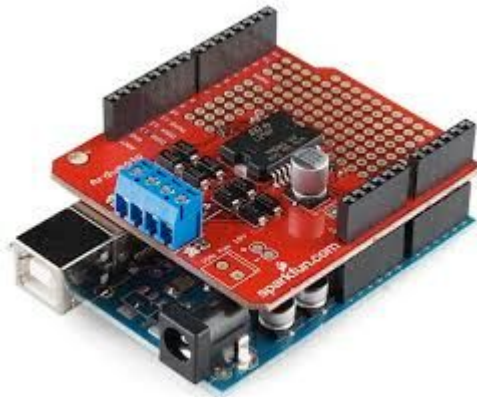


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# SHIELDS



# SHIELDS



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# SENSORES



## 37 IN 1 Sensors kit for Arduino

 <b>JoyStick XY</b>	 <b>Flame</b>	 <b>RGB LED</b>	 <b>Heartbeat</b>	 <b>Light Cup</b>	 <b>Hall magnetic</b>
 <b>Relay</b>	 <b>Linear Hall</b>	 <b>SMD RGB</b>	 <b>7Color flash</b>	 <b>Tilt switch</b>	 <b>TEMP 18B20</b>
 <b>Big sound</b>	 <b>Touch</b>	 <b>Two-color</b>	 <b>Laser emit</b>	 <b>Ball switch</b>	 <b>Analog temp</b>
 <b>Small sound</b>	 <b>Digital temp</b>	 <b>Two-color</b>	 <b>Button</b>	 <b>photoresistor</b>	 <b>TR emission</b>
 <b>Tracking</b>	 <b>Buzzer</b>	 <b>Reed switch</b>	 <b>Shock</b>	 <b>temp and humidity</b>	 <b>IR receiver</b>
 <b>Avoid</b>	 <b>Passive buzzer</b>	 <b>Mini Reed</b>	 <b>Rotary encoders</b>	 <b>Analog Hall</b>	 <b>Tap module</b>
				 <b>Light blocking</b>	

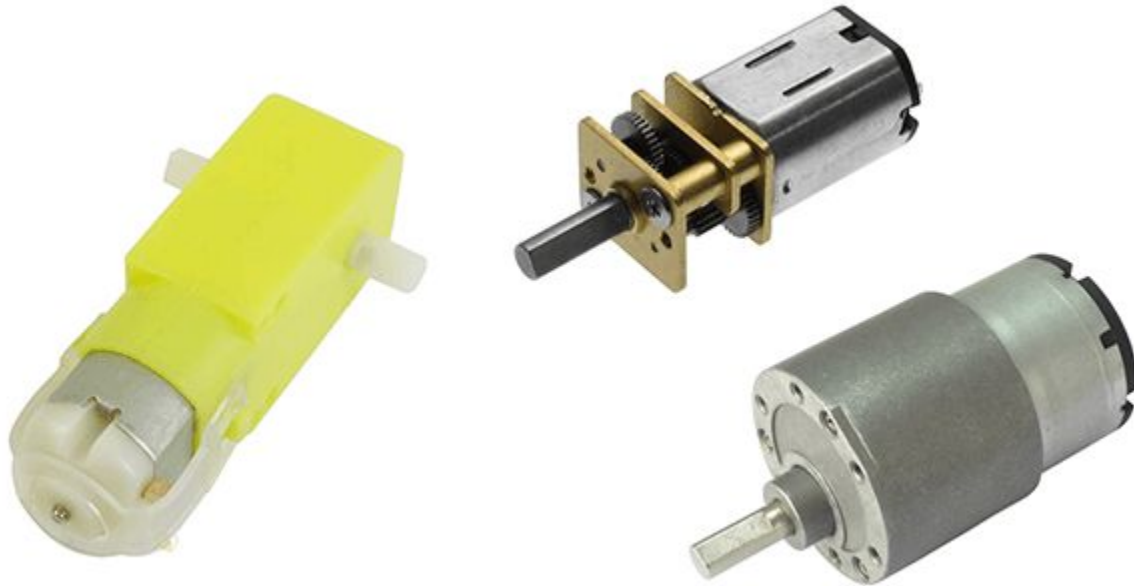


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# MOTORES

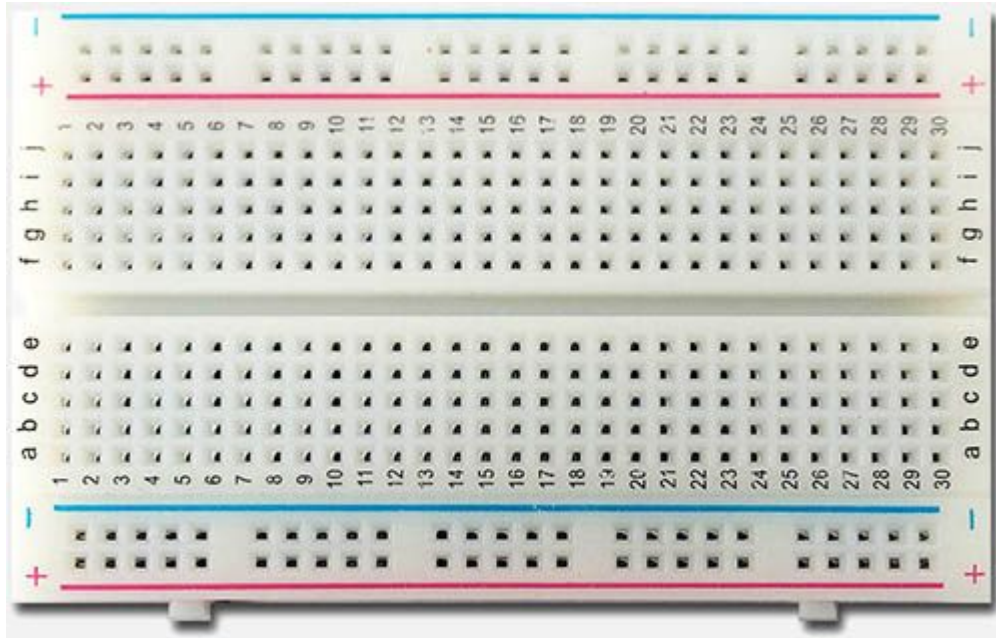


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# PROTOBOARD





















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# COMPONENTES



					
Resistor	Capacitor	Polarized Capacitor	Diode	Inductor	Photodiode
					
NPN Transistor (BJT)	PNP Transistor (BJT)	LED	LED RGB	Light bulb	9V Battery
					
AA Battery	Coin cell 3V	Multimeter	Potentiometer	Pushbutton	Slideswitch