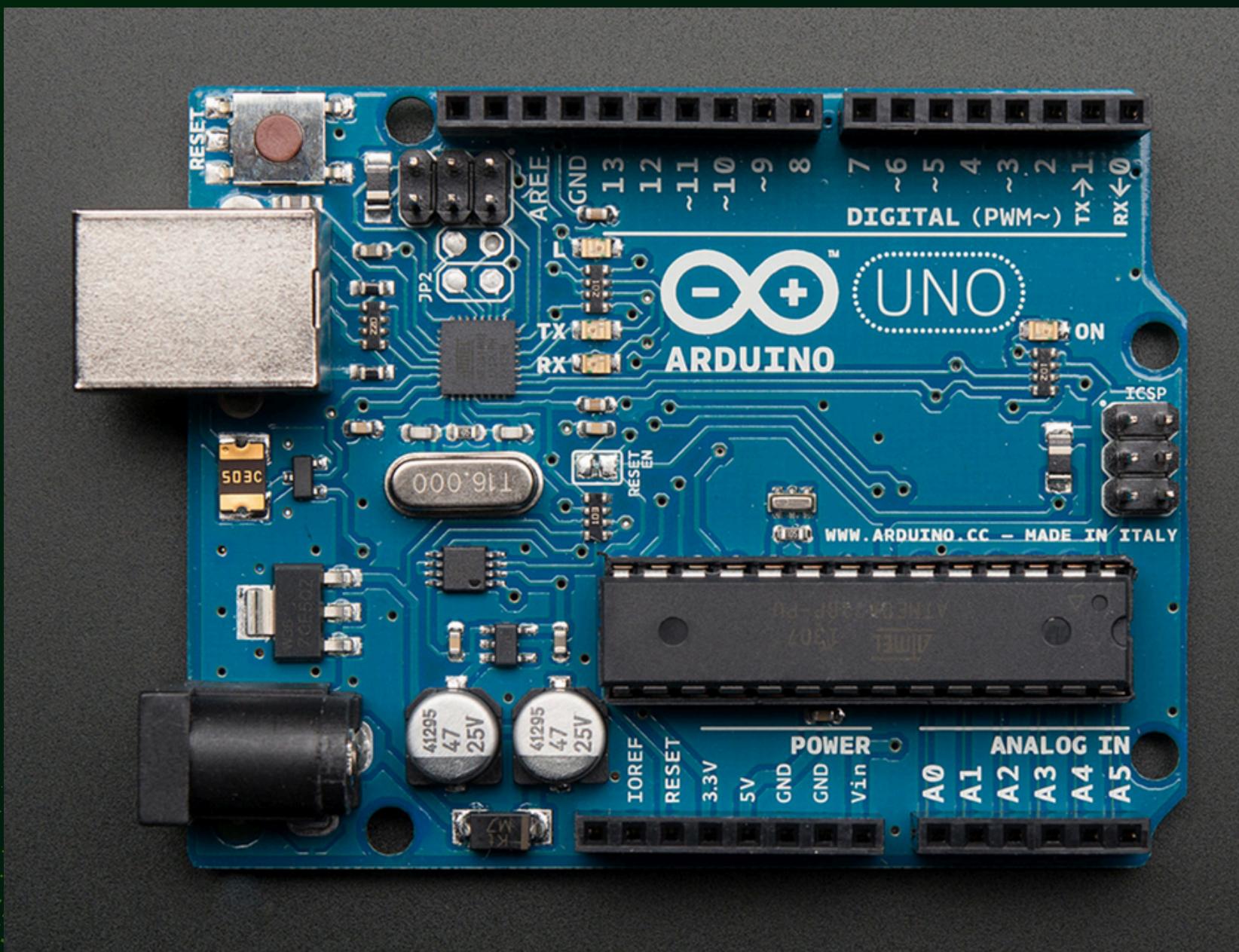




IOT-BASED SMART FAN TEMPERATURE CONTROLLED USING ARDUINO BASED SYSTEM

P A R T S



ARDUINO R3

- The main microcontroller board that controls all components.
- Interfaces with sensors and actuators based on the programmed logic.

[Learn More](#)



DC FAN

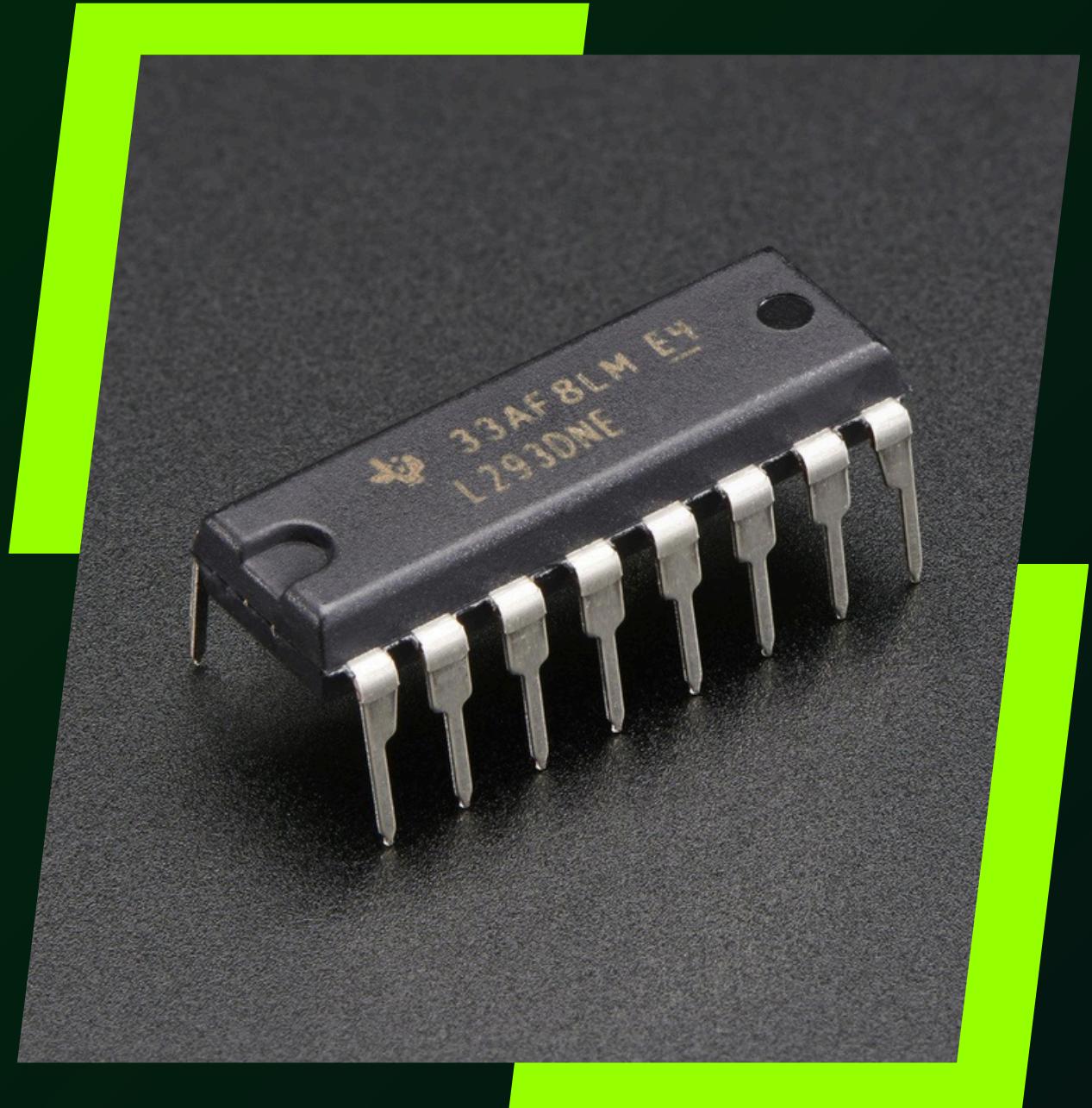
- Controlled by the Arduino via a transistor and L293D motor driver.
- Used for cooling or air circulation in response to temperature.

01



02

03



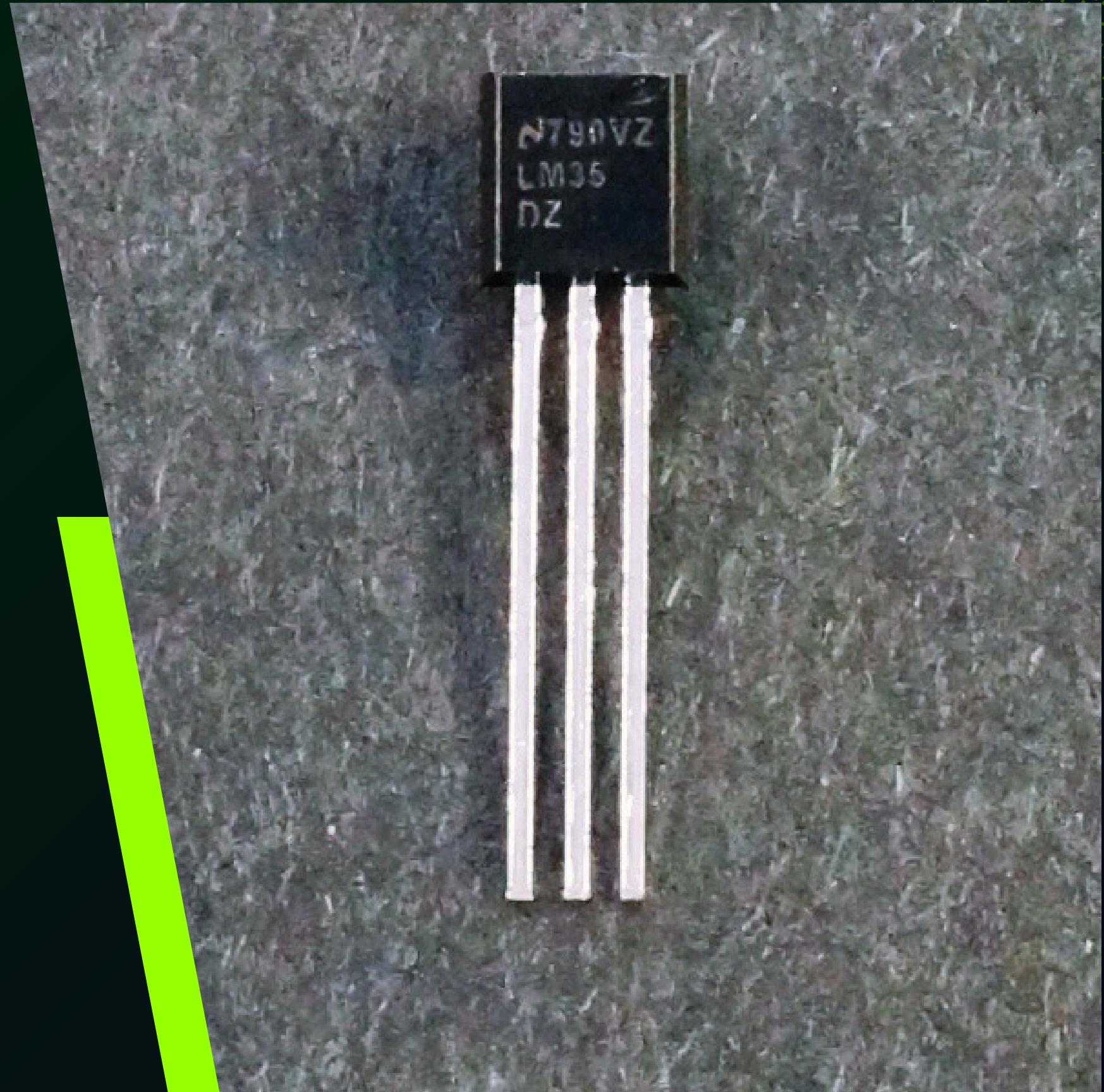
L293D MOTOR DRIVER IC

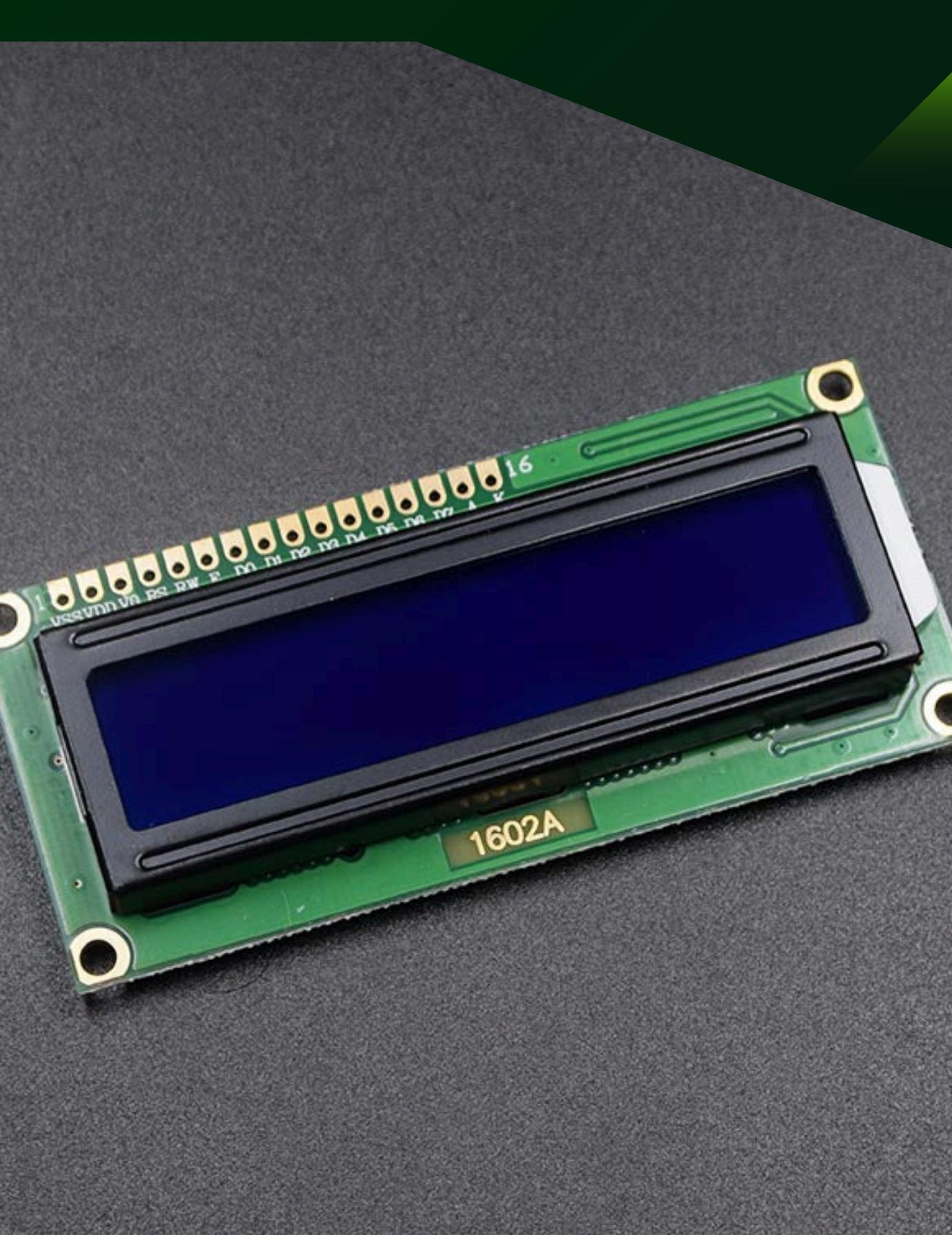
- Controls the power to the DC fan.
- Acts as an interface between the low-power Arduino and the high-power fan.



TEMPERATURE SENSOR (LM 35)

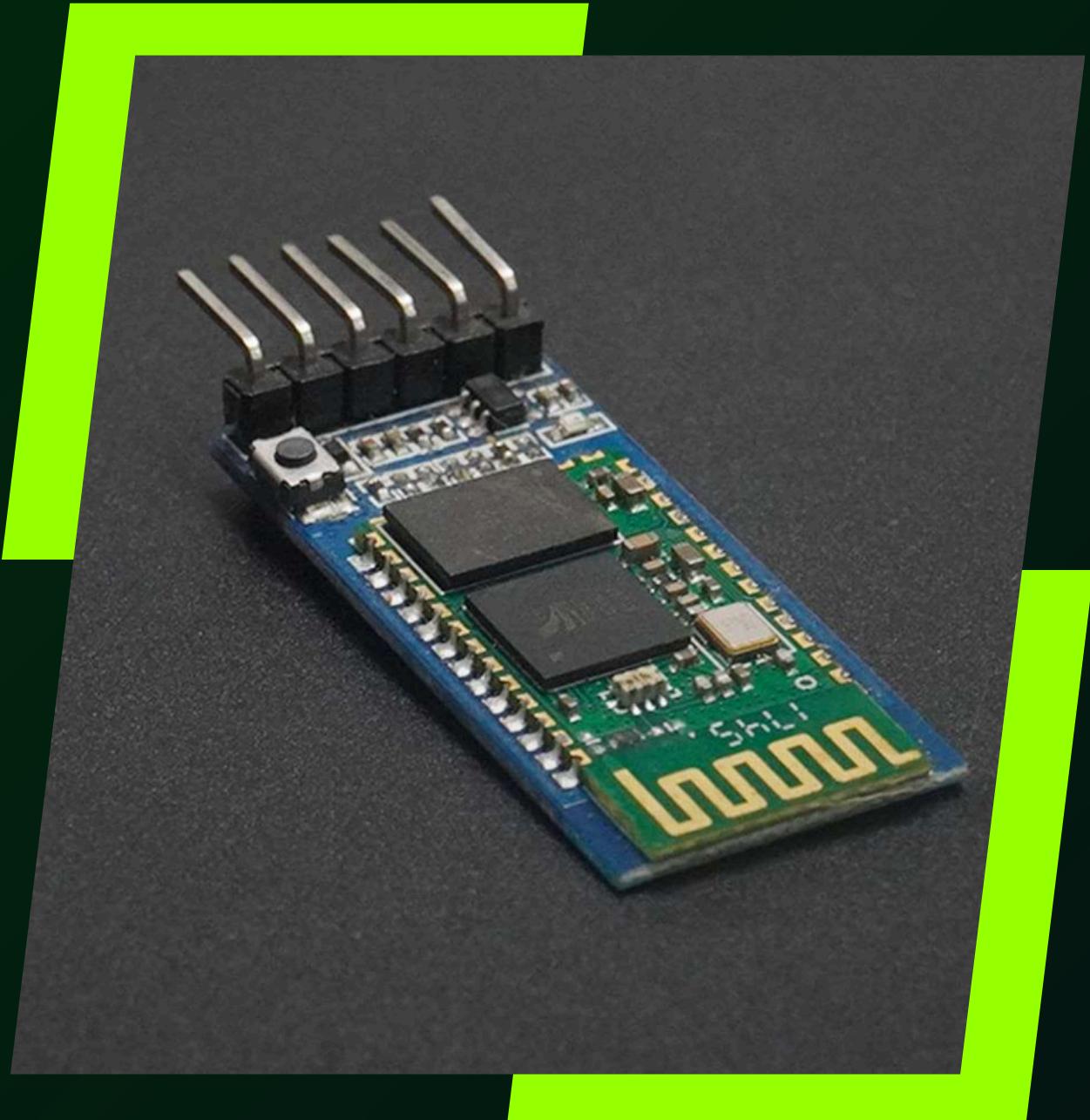
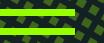
- Reads the ambient temperature.
- Sends analog or digital data to the Arduino for monitoring and fan control.





16X2 LCD DISPLAY

- Displays temperature, fan status, or other relevant information.
- Connected via multiple digital pins for control and data lines.



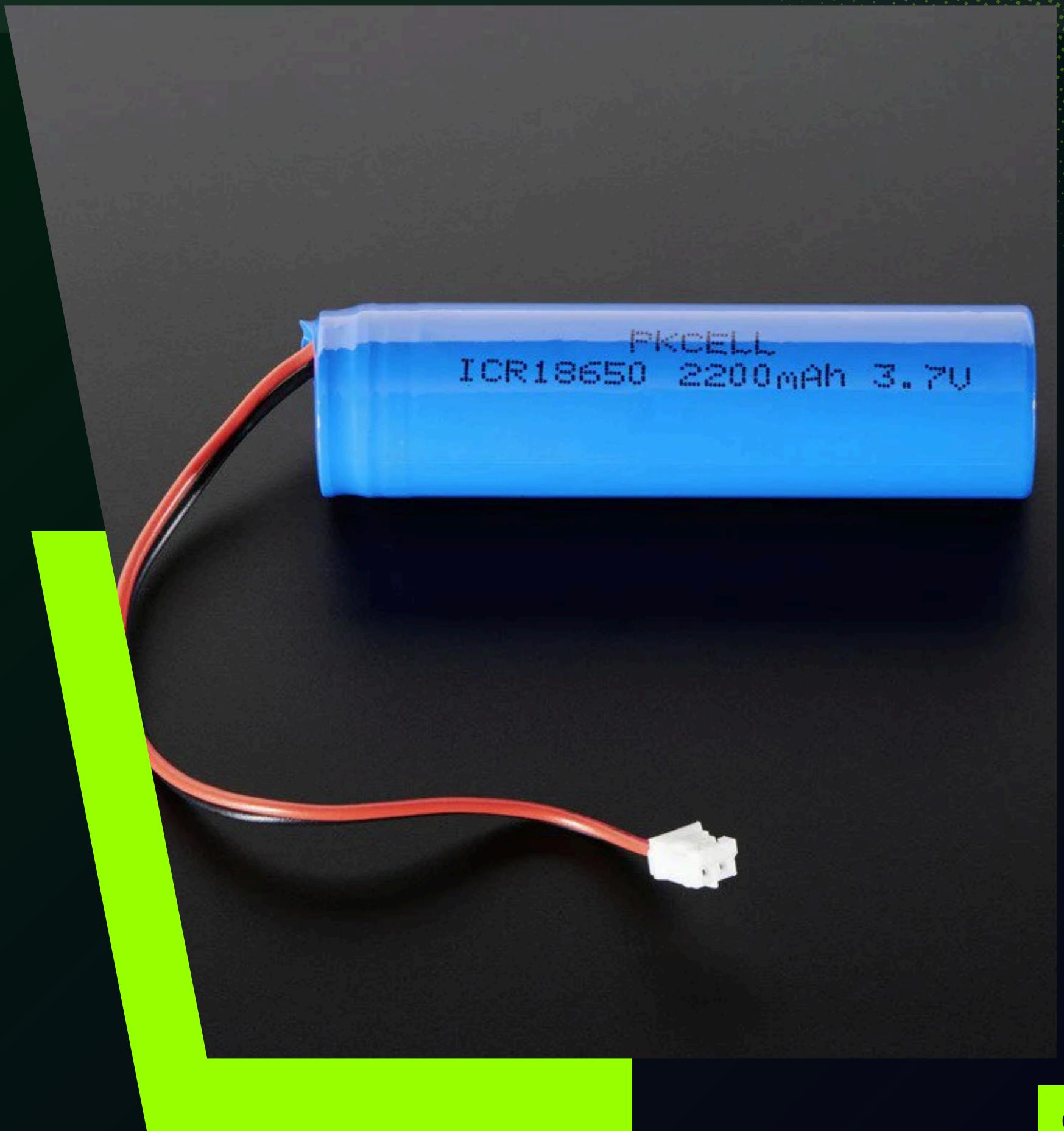
BLUETOOTH MODULE (HC- 05/HC-06)

- Allows wireless communication with a smartphone or computer.
- Used to send/receive data like turning the fan on/off remotely.



LITHIUM BATTERY (3.7V 1100MAH) 9PCS

- Powers the entire circuit.
- Portable power source for the Arduino and connected components.





THANK YOU
