DS18B20 TEMPERATURE SENSOR

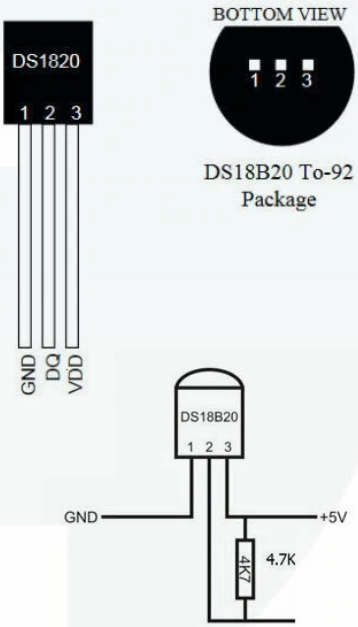
DALLAS DS18B20 1 WIRE DIGITAL SENSOR



FEATURES

- Unique 1-Wire interface requires only one port pin for communication
- Multidrop capability simplifies distributed temperature sensing applications
- Requires no external components
- Can be powered from data line. Power supply range is 3.0V to 5.5V
- Zero standby power required
- Measures temperatures from -55°C to +125°C. Fahrenheit equivalent is -67°F to +257°F
- ±0.5°C accuracy from -10°C to +85°C
- Thermometer resolution is programmable from 9 to 12 bits
- Converts 12-bit temperature to digital word in 750 ms (max.)
- User-definable, nonvolatile temperature alarm settings
- Alarm search command identifies and addresses devices whose temperature is outside of programmed limits (temperature alarm condition)
- Applications include thermostatic controls, industrial systems, consumer products, thermometers, or any thermally sensitive system

PIN ASSIGNMENT



From:
https://kornequipped.com/mywiki/ - **KornEquipped WiKi**

Permanent link:
https://kornequipped.com/mywiki/doku.php?id=dallas_18b20_pinout

Last update: **2026/04/25 21:14**