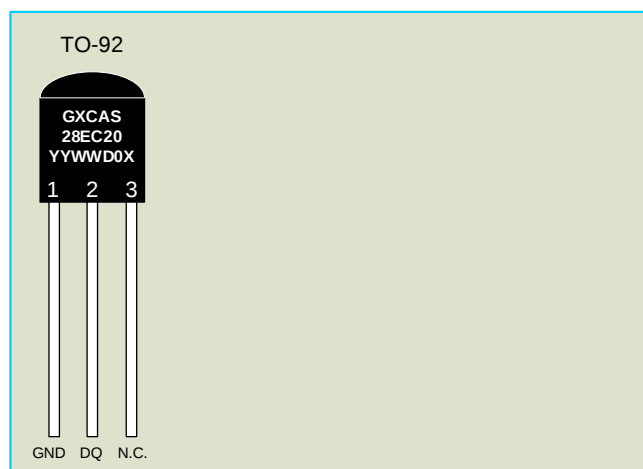


GX28EC20 20k-Bit 1-Wire EEPROM

Features

- 80*32 bytes EEPROM
- 32 bytes Scratchpad
- 200k Write/Erase Cycle Endurance at +25°C
- Unique Factory-Programmed 64-Bit ROM
- Interface deglitch
- Communicates at 15.4kbps or 90kbps
- Low-Cost TO-92L Package
- Operating Range: 2.5V to 5.5V, -40°C to +85°C
- ESD 8kV for I/O Pin



Common Package Diagram

Applications

Device Authentication

IEEE 1451.4 Sensor TEDS Ink/Toner Cartridges

Medical Sensors

PCB Identification

Wireless Base Stations

Ordering information

MODEL	PACKAGE	MOQ
GX28EC20	TO-92L (Pin 3)	2000

Description

The GX28EC20 contains a 20480-bit(80 * 32bytes), 1-Wire EEPROM. Also a 32bytes scratchpad. As a special feature, blocks of eight memory pages can be write protected or put in EPROM-Emulation mode, where bits can only be changed from a 1 to a 0 state. The GX28EC20 communicates over the 1-Wire bus. The communication follows the standard 1-Wire protocol. Each device has its own unalterable and unique 64-bit ROM registration number. The registration number is used to address the device in a multidrop 1-Wire net environment.

12 Order Information

Purchase Number	Device	PIN-Package	SPQ	Remarks
GX28EC20-Bu	GX28EC20	TO92L(3)	2000	Bulk