

GX28E07 1024-Bit 1-Wire EEPROM

Features

- Only one port is required for communication using 1-Wire interface
- Each device equipped with a global unique 64-bit serial number
- 1024 bits of EEPROM memory partitioned into four pages of 256 bits
- Individual memory pages can be permanently write protected or put in EPROM-emulation mode (write to 0)
- No external components required
- Powered by the data line with a range is 2.5V~5.5V
- Reads and writes over a wide voltage range from -55°C to +125°C
- ESD protection: HBM8000V MM800V
- Communicates to host with a single digital signal at 15.4kbps or 125kbps

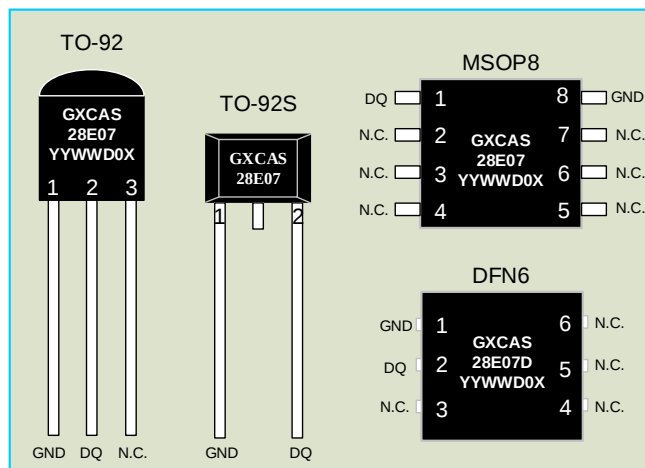
Applications

- Host accessory/PCB identification
- Medical sensor calibration data storage
- Analog sensor calibration
- Ink and toner print cartridge identification
- After-market management of consumables
- BMS product data storage

Description

The GX28E07 is an EEPROM chip, which support 1 wire communication. The chip has a 64 bit ROM, which has a family code of 2D. The size of the EEPROM is 1024 bit, which contains 4 pages of 256 bit each. The EEPROM can be set to locked or EPROM mode separately.

Common Package Diagram



Package information

DEVICE	PACKAGE	SIZE (mm ³)
GX28E07	TO92	4.6*4.6*3.6
GX28E07WS	TO92S-2	4.0*3.15*1.52
GX28E07D	DFN6	4.0*4.0*0.75
GX28E07T	DFN6	4.0*4.0*0.75
GX28E07P	MSOP8	3.0*3.0*1.0
GX28E07G	SFN2	6.0*6.0*0.73
GX28E07GA	SFN2	3.5*6.5*0.73
GX28E07Q	QFN16	1.8*2.6*0.55
GX28E07S	SFN2	5.0*3.5*0.4
GX28E07DVS	DFN6	4.0*4.0*0.75
GX28E07TVS	DFN6	4.0*4.0*0.75

12 Order Information

Order Number	Device	Package	SPQ	Note
GX28E07-2D-Bu	GX28E07	TO92	2000	Bulk
GX28E07-ADTW-Bu	GX28E07	TO92	2000	Bulk
GX28E07D-T&R	GX28E07D	DFN-6	4000	Tape & Reel
GX28E07DVS-T&R	GX28E07DVS	DFN-6	4000	Tape & Reel
GX28E07GA-ADTW-T&R	GX28E07GA	SFN2(3.5*6.5)	4000	Tape & Reel
GX28E07GA-T&R	GX28E07GA	SFN2(3.5*6.5)	4000	Tape & Reel
GX28E07G-Tr	GX28E07G	SFN2(6*6)	490	Tray
GX28E07P-T&R	GX28E07P	MSOP-8	4000	Tape & Reel
GX28E07Q-2D-T&R	GX28E07Q	QFN16	3000	Tape & Reel
GX28E07Q-2DTW-T&R	GX28E07Q	QFN16	3000	Tape & Reel
GX28E07Q-AD-T&R	GX28E07Q	QFN16	3000	Tape & Reel
GX28E07Q-ADTW-T&R	GX28E07Q	QFN16	3000	Tape & Reel
GX28E07SP2-T&R	GX28E07S	SFN2	4000	Tape & Reel
GX28E07-T&R	GX28E07	TO92	2000	Tape & Reel
GX28E07T-T&R	GX28E07T	DFN6	4000	Tape & Reel
GX28E07TVS-T&R	GX28E07TVS	DFN6	4000	Tape & Reel
GX28E07VS-Bu	GX28E07	TO92	2000	Bulk
GX28E07WS- Bu	GX28E07WS	TO92S-2	2000	Bulk