



GX2505 16Kb Add-Only Memory

FEATURES

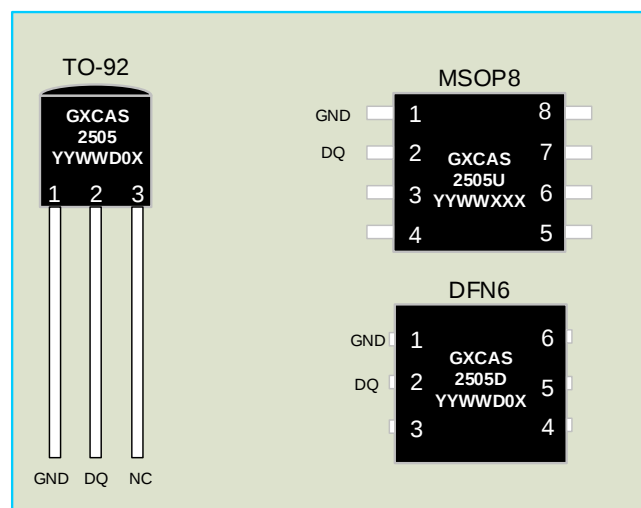
- 16384 bits Electrically Programmable Read Only Memory (EPROM) communicates with the economy of one signal plus ground
- Unique, factory-lasered and tested 64-bit

registration number (8-bit family code + 48-bit serial number + 8-bit CRC tester) assures absolute traceability because no two parts are alike

- Built-in multidrop controller ensures compatibility with other 1-Wire® Net products
- EPROM partitioned into sixty-four 256-bit pages for randomly accessing packetized data records
- Each memory page can be permanently write-protected to prevent tampering
- Device is an “add only” memory where additional data can be programmed into EPROM without disturbing existing data
- Architecture allows software to patch data by superseding an old page in favor of a newly programmed page

- Reduces control, address, data, power, and programming signals to a single data pin
- Directly connects to a single port pin of a microprocessor and communicates at up to 16.3 kbits per second
- 8-bit family code specifies GX2505 communications requirements to reader
- Presence detector acknowledges when the reader first applies voltage
- Low cost DFN6 surface mount package
- Reads over a wide voltage range of 2.8V to 6.0V from -40 °C to +85 °C; programs at 7.0V to 8.0V from -40 °C to +50 °C

PIN ASSIGNMENT



Ordering information

MODEL	PACKAGE	MOQ
GX2505D	DFN6 4*4	4000
GX2505U	MSOP8	4000
GX2505	T092	2000

Order Information

Purchase Number	Device	PIN-Package	SPQ	Remarks
GX2505D-T&R	GX2505D	6-DFN	4000	Tape and reel
GX2505U-T&R	GX2505U	8-MSOP8	4000	Tape and reel
GX2505-Bu	GX2505	3-TO92	2000	Bulk