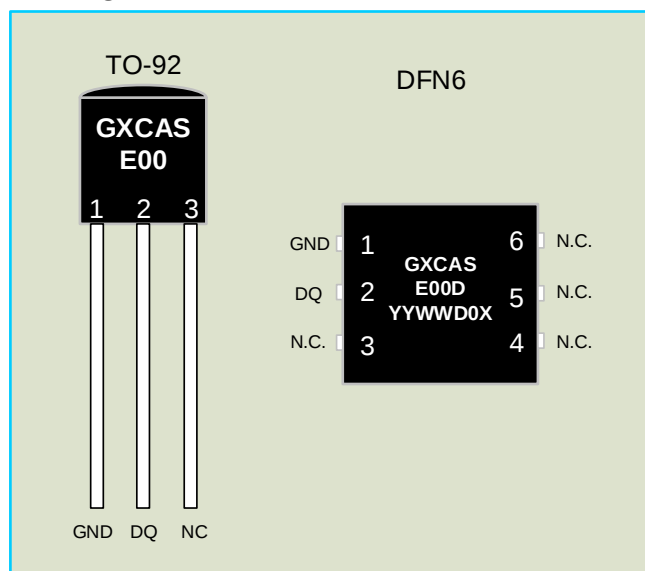


GXE00 256-Bit 1-Wire EEPROM

Features

- Read Only Memory(EEPROM) plus 64-bit one-time programmable application register Unique, factory-lasered and tested 64-bit registration number (8-bit family code + 48-bit serial number + 8-bit CRC tester) assures absolute identity because no two parts are alike
- Built-in multidrop controller ensures compatibility with other MicroLAN products
- EEPROM organized as one page of 32 bytes for random access
- Reduces control, address, data, and power to a single data pin
- Directly connects to a single port pin of a microprocessor and communicates at up to 15.3kbits per second
 - 8-bit family code specifies GXE00 communication requirements to reader
 - Presence detector acknowledges when reader first applies voltage
- Low cost TO-92 or 6-pin DFN surface mount package
 - Reads and writes over a wide voltage range of 2.5V to 5.5V from -40° C to +85° C

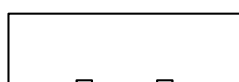
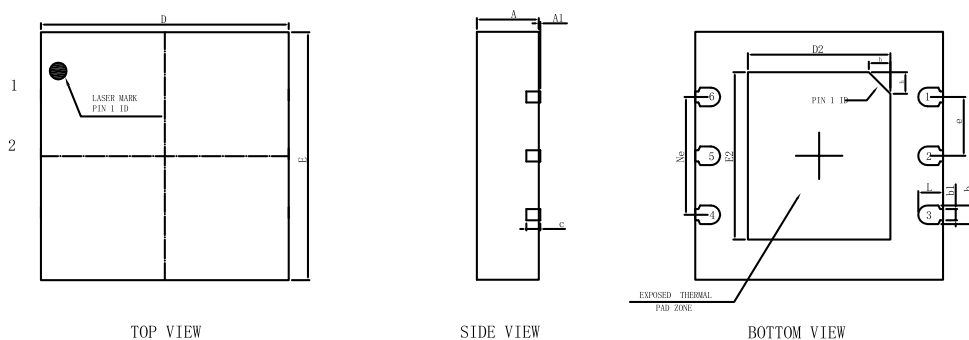
Package



Pin Description

NAME		DESCRIPTION
TO-92	DFN6	
-	3,4,5,6	N.C.
3	-	N.C.
2	2	DQ
1	1	GND

2) DFN6



SIDE VIEW

SYMBOL	MILLIMETER		
	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	—	0.02	0.05
b	0.25	0.30	0.35
b1	0.15	0.18	0.21
c	0.203REF		
D	3.90	4.00	4.10
D2	2.20	2.30	2.40
e	0.95BSC		
Ne	1.90BSC		
E	3.90	4.00	4.10
E2	2.60	2.70	2.80
L	0.35	0.40	0.45
h	0.35		

Ordering Information

Purchase Number	Device	PIN-Package	SPQ	Remarks
GXE00-Bu	GXE00	3-T092	2000	Bulk
GXE00D_T&R	GXE00D	6-DFN	4000	Tape and reel