

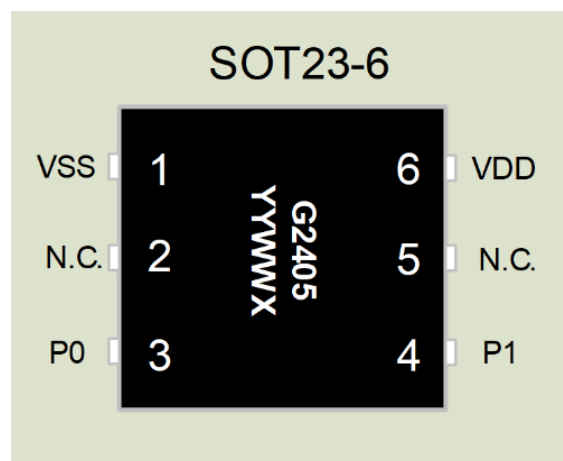
## GXS2405 112-Byte Polarity-Free 1-Wire EEPROM

### Features

- 112-Byte programmable EEPROM
- Polarity-Free, signal and ground pin can switch
- Unique, 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
- 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 GXS2405
- communication requirements to reader
  - Presence detector acknowledges when reader first applies voltage
- SOT23-6 surface mount package
- Reads and writes over a wide voltage range of 3V to 5.5V from -40°C to +85°C
- Package information:

| PART NUMBER | PACKAGE | BODY SIZE(mm <sup>2</sup> ) |
|-------------|---------|-----------------------------|
| GXS2405S    | SOT23-6 | 1.58mm × 2.92mm             |

### Package picture



### Pin information

| PIN | SOT23-6 | DESCRIPTION                                     |
|-----|---------|-------------------------------------------------|
| 1   | VSS     | Connect to Capacitor                            |
| 2   | N.C.    | Grounded or floating                            |
| 3   | P0      | one connect to ground,<br>one connect to signal |
| 4   | P1      |                                                 |
| 5   | N.C.    | Grounded or floating                            |
| 6   | VDD     | Connect to Capacitor                            |

### 13 Ordering Information

| Purchase Number | Device   | PIN-Package | SPQ  | Remarks       |
|-----------------|----------|-------------|------|---------------|
| GXS2405S_T&R    | GXS2405S | SOT23-6     | 4000 | Tape and reel |