

GX0011DH

2-Pin Digital Temperature Sensor With Pulse Count Interface

1 Features

- Alternative to the NTC thermistor
- Accuracy : $\pm 0.1^{\circ}\text{C}$
- Supply Voltage : 1.4V ~ 5.5V
- Operating Temperature : $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Quiescent current : 30uA (typ)
- Resolution : 12-bits (0.0625°C)
- Digital Output : Pulse Count

2 Applications

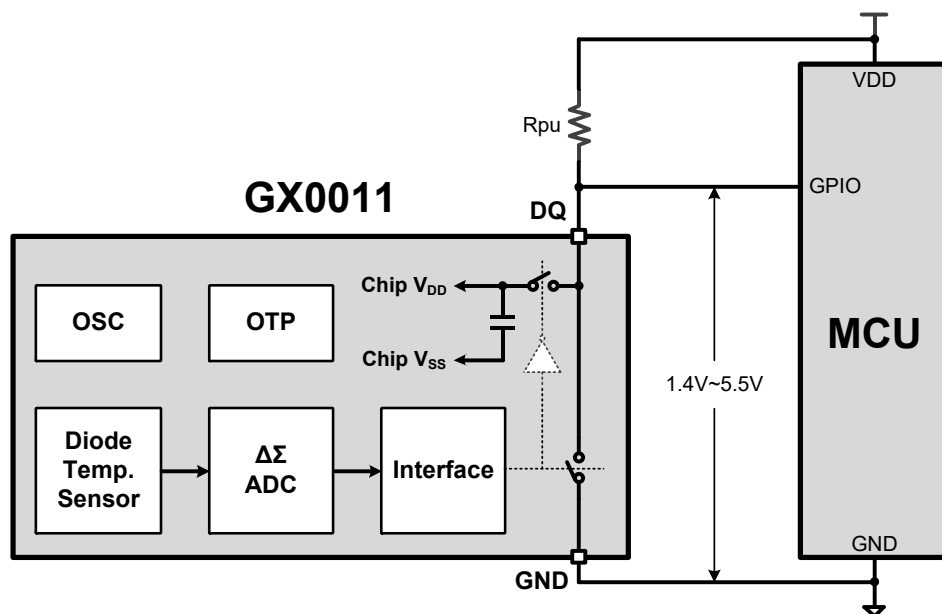
- Digital Output Wired Probes
- Consumer Electronics
- White Goods
- Industrial Controls

3 Description

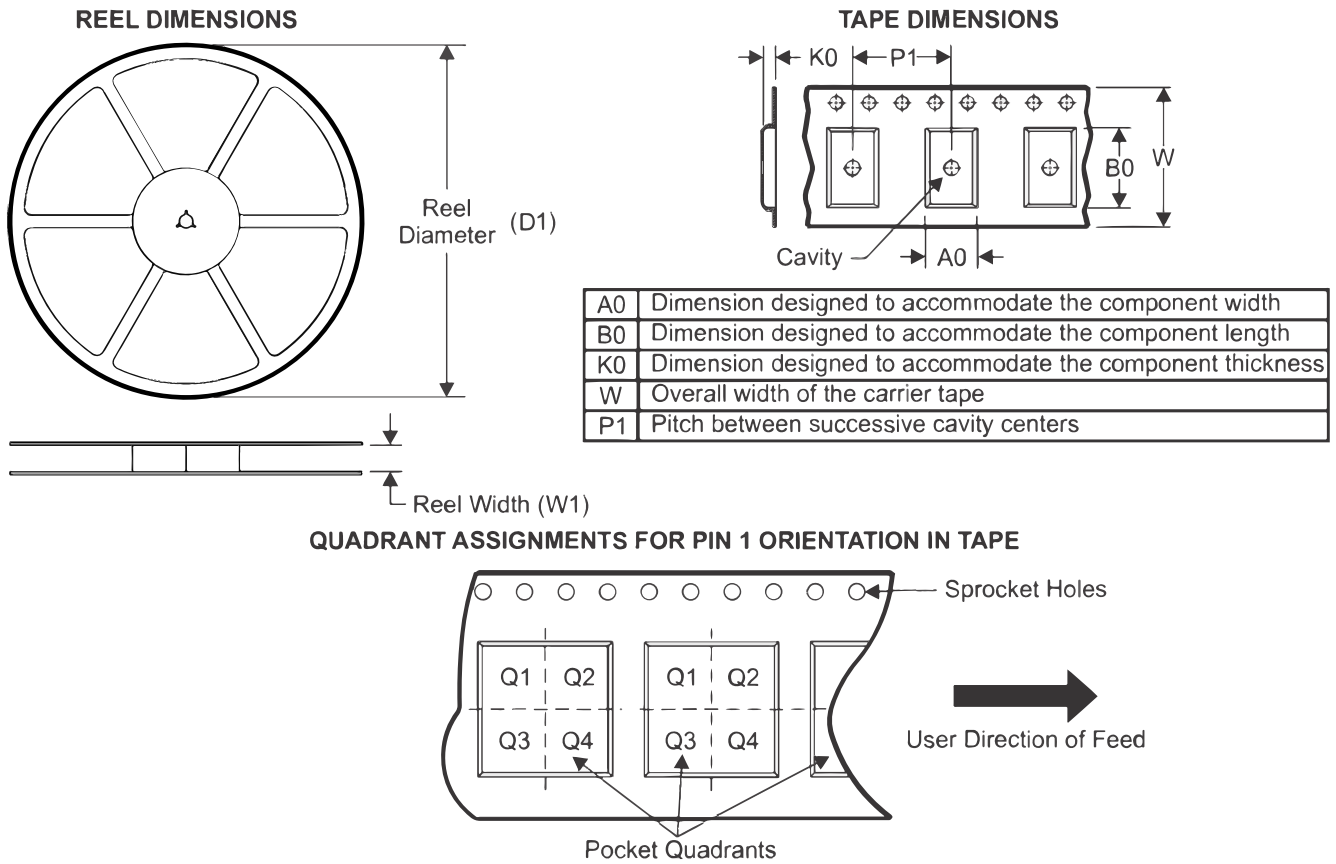
The GX0011DH is a fully integrated digital temperature sensor, which can achieve 12-bit (0.0625°C) temperature output without any external temperature sensing unit. The GX0011DH comes in the DFN-2 packages, making it a direct replacement for the NTC thermistor and much easier to use. The GX0011DH supports one-line pulse counting communication. Only a single signal line is needed to complete the chip power supply and communication output function at the same time.

Device Information

Part Number	Package	Body Size (NOM)
GX0011DH	DFN (2)	1.60 mm × 0.80



9.2 Tape and Reel Information



Package Type	D1 (mm)	W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
DFN	180	8.6	1.00	1.80	0.62	4.00	8.00	Q1

Note : all of the above dimensions are in millimeters.

10 Order Information

Order PN	Device	Package	SPQ	Remark
GX0011DH-T&R	GX0011DH	DFN (2)	4000	tape and reel