7-bit Programmable VCOM Calibrator with Write Protected Integrated Nonvolatile Memory

Features

- **Integrated Nonvolatile Memory to Store Sink-Current Setting**
- **100 Programming Times**
- **Write Protection Function**
- **I ^{2}C Interface**
- **7-Bit, Adjustable Sink-Current Device**
- **Resistor-Adjustable, Full-Scale Range**
- **2.5V to 3.6V Logic Supply Range**
- **7V to 18V Analog Supply Range**
- **Protections:**
  - **Over Temperature Protection (OTP)**
- **TDFN3X3-8 Package**
- **RoHS Compliant**

General Description

The G1626 provides a programmable sink-current output that attaches to an external voltage divider. The increase in output sink current lowers the voltage on the external divider, which is applied to an external VCOM buffer amplifier.

G1626 includes one time programmable (OTP) memory to store the DAC code on the chip, eliminating the need for external EEPROM. The chip supports up to 100 write operations to OTP memory. G1626 has an I^2C interface to set the sink current setting and write into OTP memory.

Applications

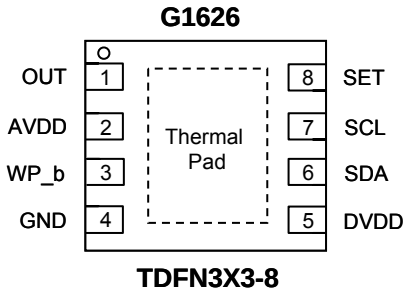
- **TFT-LCD Panels**

Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G1626RD1U	DS962	-40°C to +85°C	TDFN3X3-8

Note: RD: TDFN3X3-8
1: Bonding Code
U: Tape & Reel

Pin Configuration



TDFN3X3-8