

Programmable Vcom Buffer with NVM for TFT LCD

Features

- Supply Operation Range : 6.5V to 18V
- Rail-to-Rail Vcom Buffer:
 - ◆ 7 Bits Adjustable Output
 - ◆ $\pm 100\text{mA}$ Output Current
 - ◆ $\pm 260\text{mA}$ Output Short-Circuit Current
 - ◆ $20\text{V}/\mu\text{s}$ Slew Rate
- 2-Wire I²C Slave Mode Interface
- Using One Control Pin Enable to Store Data into Non-Volatile Memory (NVM)
- Non-Volatile Memory (NVM) Store Setting (at Least 100 Re-Write Times)
- TDFN3x3-10 Package

Applications

- TFT-LCD Monitors
- LCD Televisions

General Description

The G1612 is the programmable Vcom buffer target toward the needs of thin film transistor liquid crystal display (TFT LCD). This device incorporates one Vcom buffer and are programmed through I²C interface.

The G1612 is available in the TDFN3x3-10 package.

Ordering Information

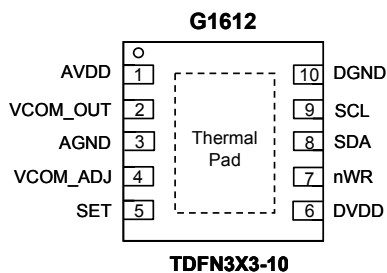
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G1612RE1U	1612	-40°C to 85°C	TDFN3X3-10

Note: RE:TDFN3X3-10

1: Bonding code

U: Tape & Reel

Pin Configuration



Note: Exposed pad must be connected to AGND

Typical Application Circuit

