

# 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 I<sup>2</sup>C 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 I<sup>2</sup>C interface.

The G1612 is available in the TDFN3x3-10 package.

## Ordering Information

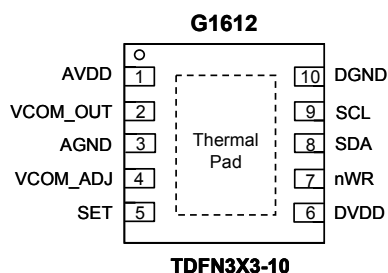
| ORDER NUMBER | MARKING | TEMP. RANGE   | PACKAGE (Green) |
|--------------|---------|---------------|-----------------|
| G1612RE1U    | 1612    | -40°C to 85°C | TDFN3X3-10      |

Note: RE:TDFN3X3-10

1: Bonding code

U: Tape & Reel

## Pin Configuration



Note: Exposed pad must be connected to AGND

## Typical Application Circuit

