



HX8612A

270/300/308 Channel TFT Gate Driver

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1. General Description

The HX8612A is a 270, 300, 308 channel output gate driver used for driving the gate electrode of TFT LCD panel. It is designed for 2-level output with maximum +40V output driving voltage. This device is applicable for a wide range of panel resolution including SVGA, HDTV, UXGA, and QXGA+ panels.

2. Features

- 2-level output gate driver for TFT LCD panel
- 270/300/308 channel output with 2 dummy output (Fixed to VEE)
- Maximum +40V output driving voltage
- Bi-directional data shift capability
- 500KHz maximum operation frequency
- High voltage CMOS process technology
- Tape Carrier Package (TCP), Chip On Film (COF)
- Possible applications:

Panel type	Resolution	Output mode	Piece per panel
SVGA	800× 600	300 CH	2
HDTV	1920× 1080	270 CH	4
UXGA	1600× 1200	300 CH	4