



HX8204A

480 output color TFT LCD Analog
Source Driver for AV Application

April 2003, Version 02

1. General Description

HX8204A is a source driver for AV type color TFT LCD panel. The interface follows conventional analog R, G, B video signals and digital control timing signals. HX8204A implements 2 lines of sample and hold circuits. While sampling video signals, the previously sampled data can be output synchronously through driver output channels. And simultaneous or sequential sampling can be chosen for matching the pixel array type.

2. Features

- Source driver LSI for fully color active matrix LCD.
- 5V analog power supply and 2.5V(min) logic power supply.
- Dynamic range: 0.1 ~ 4.9V.
- Voltage deviation of outputs: $\pm 20\text{mV}$.
- 480 analog LCD driver output.
- Applicable to stripe and delta pattern color filter.
- Simultaneous or sequential sampling is selectable as matching pixel array type.
- Include 2 lines of sample and hold circuit.
- Right and left shift capability.
- Cascade function for dot-expansion.
- Digital power: 2.5~5.5V.
- LCD power: 3~5.5V.
- Bare chip with gold bumper for COG solution.