

**ALP304**

Low-Temperature Polysilicon 2.8-inch TFT LCD Module

Overview

This 2.8-inch LCD module is a full-color active matrix module that uses low-temperature polysilicon thin-film transistors and includes built-in driver circuits for thin-frame mounting. The high-resolution and RGB delta dot arrangement is optimal for use in digital video cameras and digital still cameras.

Features and Functions

- High-sharpness images with no crosstalk and a high contrast ratio.
- 187,200 dots in an RGB delta arrangement for high-resolution and high-quality images.
- Aperture ratio : 63%.
- Built-in horizontal and vertical drivers with level shifter circuit for narrow frames, thin form factors, light weight, and low power dissipation.
- Support for scan reversal both horizontally and vertically.
- Support for NTSC/PAL format by using the recommended IC (LV4126W).

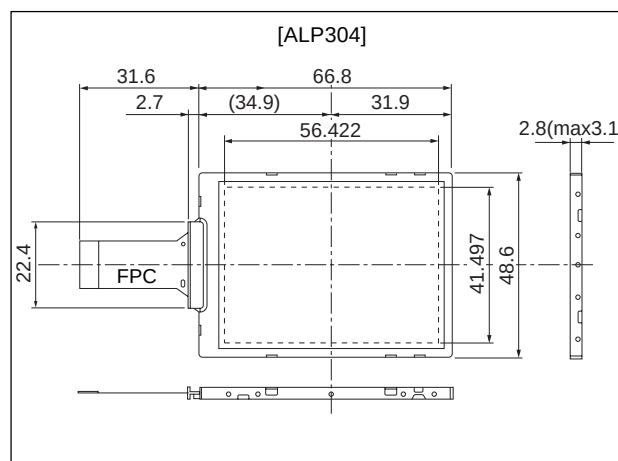
Specifications

Parameter	Specification	Unit	
Effective viewing area diagonal	7.0 (2.8 inches)	cm	
Effective viewing area dimensions (horizontal×vertical)	56.422×41.497	mm	
Number of dots (horizontal×vertical)	800×234	dot	
Dot pitch (horizontal×vertical)	0.0705×0.1775	mm	
Color arrangement	RGB delta	—	
External dimensions (horizontal×vertical×thickness)	Provisionally 66.8×48.6×2.8 (typical)	mm	Note1
Weight	about 25	g	

Note 1. Excluding the FPC and mounting sections.

Package Dimensions

unit:mm



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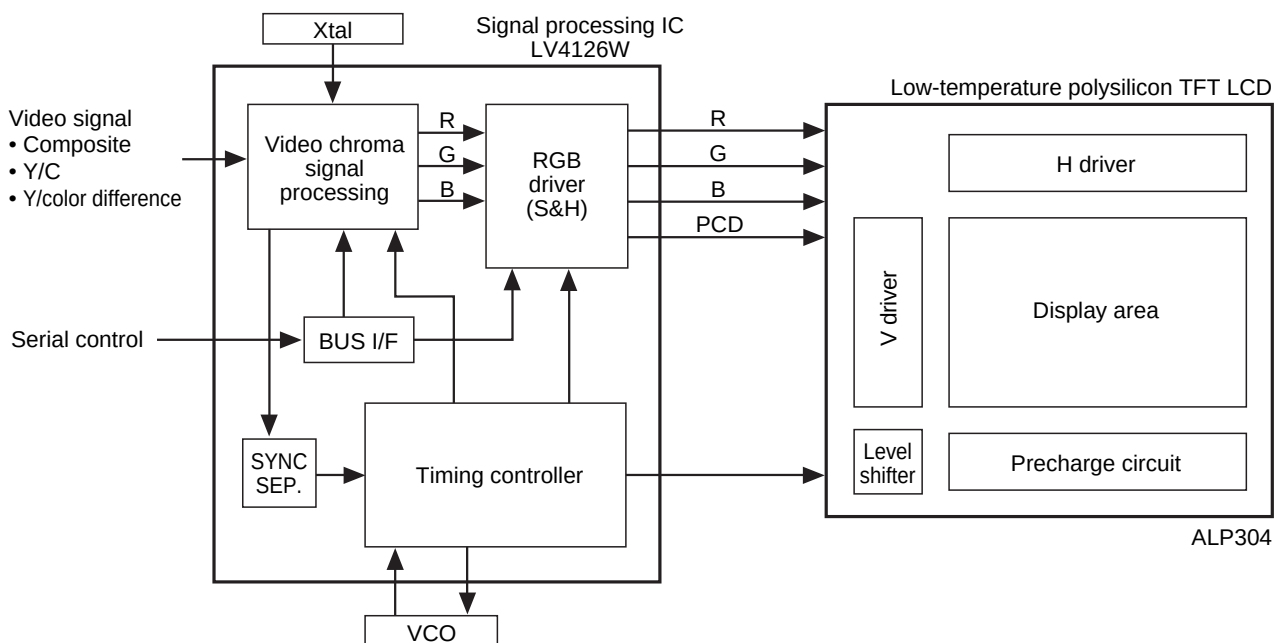
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SANYO Electric Co.,Ltd. Semiconductor Business Headquarters

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

30199RM (KT) No.6164-1/2

System Structure



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