Ordering number:EN6165

LCD Module

ALP401

Low-Temperature Polysilicon 4.0-inch TFT LCD Module

Overview

This 4.0-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. This module conforms to both NTSC and PAL formats and the RGB stripe dot arrangement adopted is optimal for use in digital video cameras and PDAs as a display.

Features and Functions

- High-sharpness images with no crosstalk and a high contrast ratio.
- 230,400 dots in an RGB stripe arrangement for high-resolution and high-quality images.
- Transparency : about 6.7%.
- Built-in horizontal and vertical drivers with a level shift circuit for narrow frames, thin form factors, light weight, and low power dissipation.
- Support for scan reversal both horizontally and vertically.

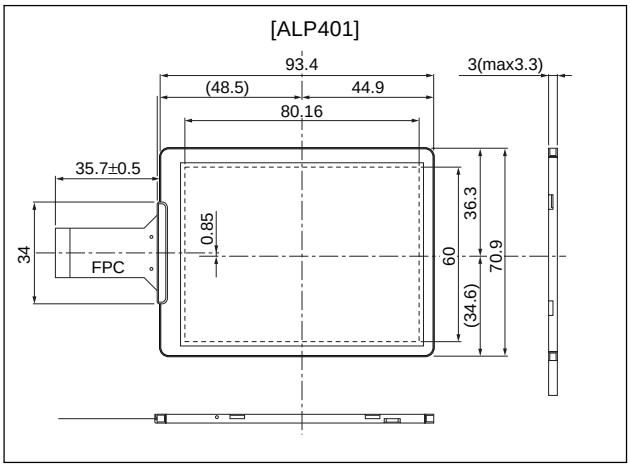
Specifications

Parameter	Specification	Unit	
Effective viewing area diagonal	10.0 (4.0 inches)	cm	
Effective viewing area dimensions (horizontal× vertical)	80.16× 60.00	mm	
Number of dots (horizontal× vertical)	960× 240	dot	
Dot pitch (horizontal× vertical)	0.0835× 0.250	mm	
Color arrangement	RGB stripe	–	
External dimensions (horizontal× vertical× thickness)	93.4× 70.9× 3.0 (typical)	mm	Note1
Weight	44	g	

Note 1. Excluding the FPC and mounting sections.

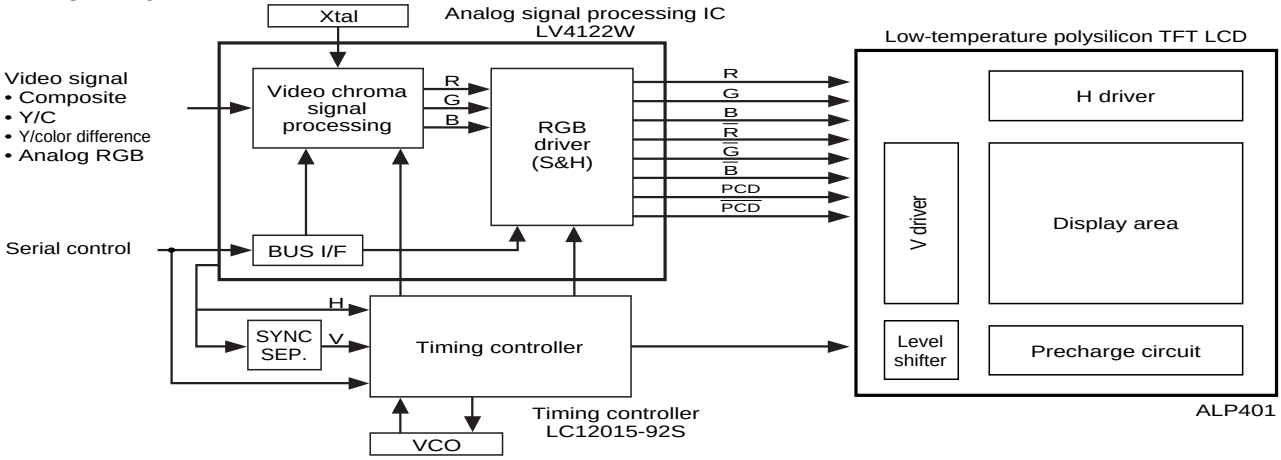
Package Dimensions

unit:mm



SANYO Electric Co.,Ltd. Semiconductor Bussiness Headquaters
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

Analog I/F System Structure



Digital I/F System Structure