



ALP230

Low-Temperature Polysilicon 2.0-inch TFT LCD Module

Overview

This 2.0-inch LCD module is a full-color active matrix module that uses low-temperature polysilicon thin-film transistors and includes built-in driver circuits. The RGB delta dot arrangement allow this module to be optimal for use in digital video cameras and digital still cameras.

Features and Functions

- Display size (diagonal) : 5.1cm (2.0 inches).
- Number of dots : 130,338 dots (557×234 dots).
- RGB delta arrangement.
- Operating ambient temperature (Pannel surface temperature) : -10 to +60°C.
- Storage ambient temperature : -20 to +70°C
- Thin and slim.
- Support for scan reversal both horizontally and vertically.
- Level shifter circuit built in.
- Support for NTSC/PAL format by using the recommended IC (LV4126W).
- Anti-reflection (AR) coat.

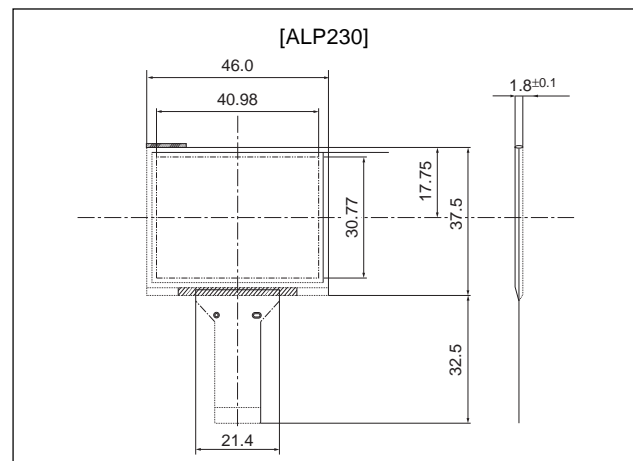
Specifications

Parameter	Specification	Unit	
Effective viewing area diagonal	5.1 (2.0 inches)	cm	
Effective viewing area dimensions (horizontal×vertical)	40.98×30.77	mm	
Number of dots (horizontal×vertical)	557×234	dot	
Dot pitch (horizontal×vertical)	0.0735×0.1315	mm	
Color arrangement	RGB delta	—	
External dimensions (horizontal×vertical×thickness)	46.0×37.5×1.8 (typical)	mm	Note1
Weight	8	g	

Note 1. Excluding the FPC and mounting sections.

Package Dimensions

unit:mm

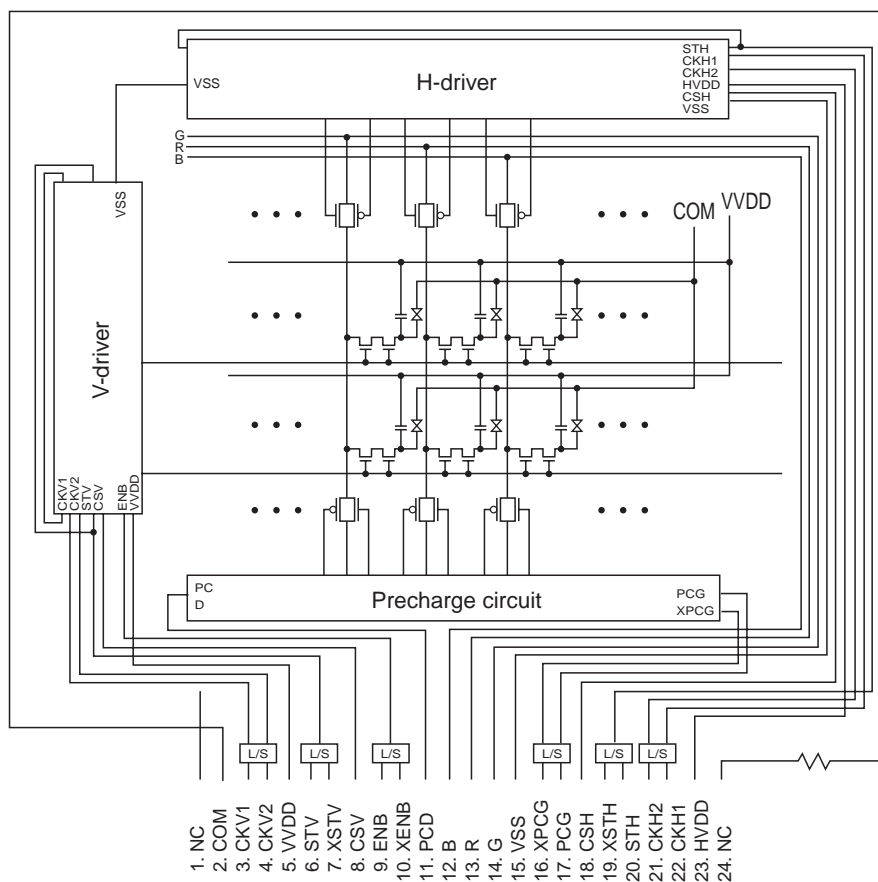


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Pin Assignment and Internal Wiring Diagram of the ALP230



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