



ALP208

Low-Temperature Polysilicon 1.8-inch TFT LCD Module

Overview

This 1.8-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

- Display size (diagonal) : 4.6cm (1.8 inches).
- Number of dots : 113,578 dots (512×218 dots).
- RGB delta arrangement.
- Operating ambient temperature : -10 to +60°C.
- Storage ambient temperature : -20 to +70°C.
- Compact design achieved with narrow frames and thin form factors.
- 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.

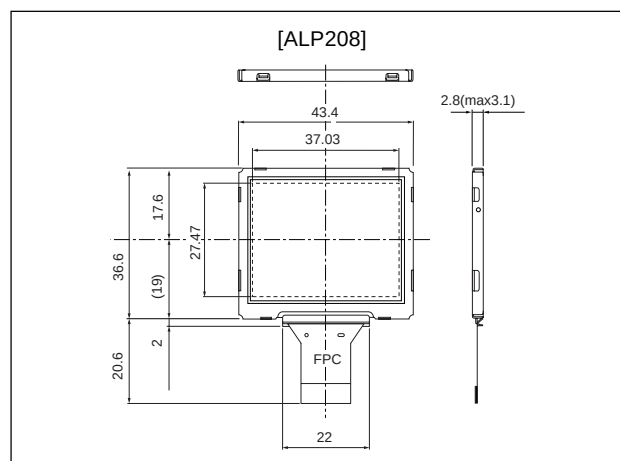
Specifications

Parameter	Specification	Unit	
Effective viewing area diagonal	4.6 (1.8-inches)	cm	
Effective viewing area dimensions (horizontal×vertical)	37.03×27.47	mm	
Number of dots (horizontal×vertical)	512×218	dot	
Dot pitch (horizontal×vertical)	0.071×0.126	mm	
Color arrangement	RGB delta	—	
External dimensions (horizontal×vertical×thickness)	Provisionally 43.4×36.6×2.8 (typical)	mm	Note1
Weight	about 14	g	
FPC length	20.6	mm	

Note 1. Excluding the FPC and mounting sections.

Package Dimensions

unit:mm



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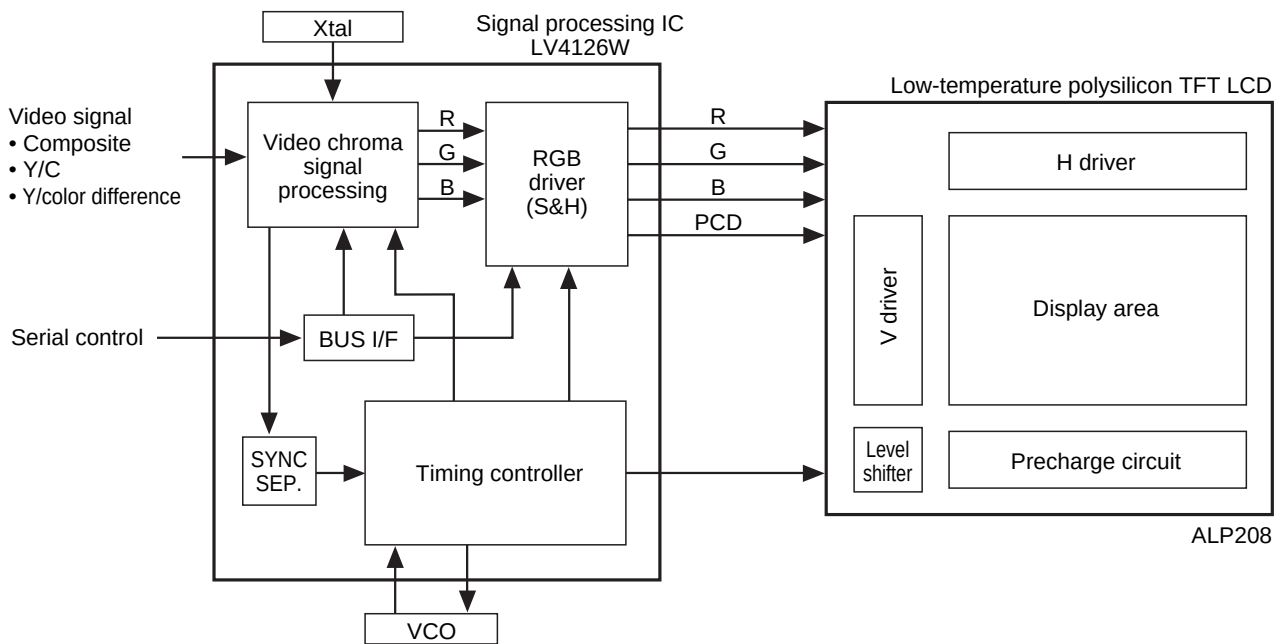
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System Structure



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