

SANYO**ALP215****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. The RGB delta dot arrangement and the wide viewing angle allow this module to be 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 (521×218 dots).
- RGB delta arrangement.
- Supports wide viewing angle by introducing SANYO original SURVIVAL technology.
- Operating ambient temperature (Panel 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 (LV4131W).

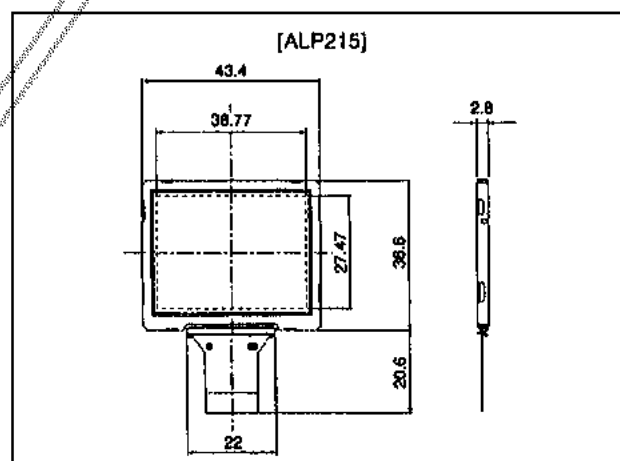
Specifications

Parameter	Specification	Unit	
Effective viewing area diagonal	4.6 (1.8 inches)	cm	
Effective viewing area dimensions (horizontal×vertical)	36.77×27.47	mm	
Number of dots (horizontal×vertical)	521×218	dot	
Dot pitch (horizontal×vertical)	0.0705×0.126	mm	
Color arrangement	RGB delta	-	
External dimensions (horizontal×vertical×thickness)	43.4×38.6×2.8 (typical)	mm	Note 1
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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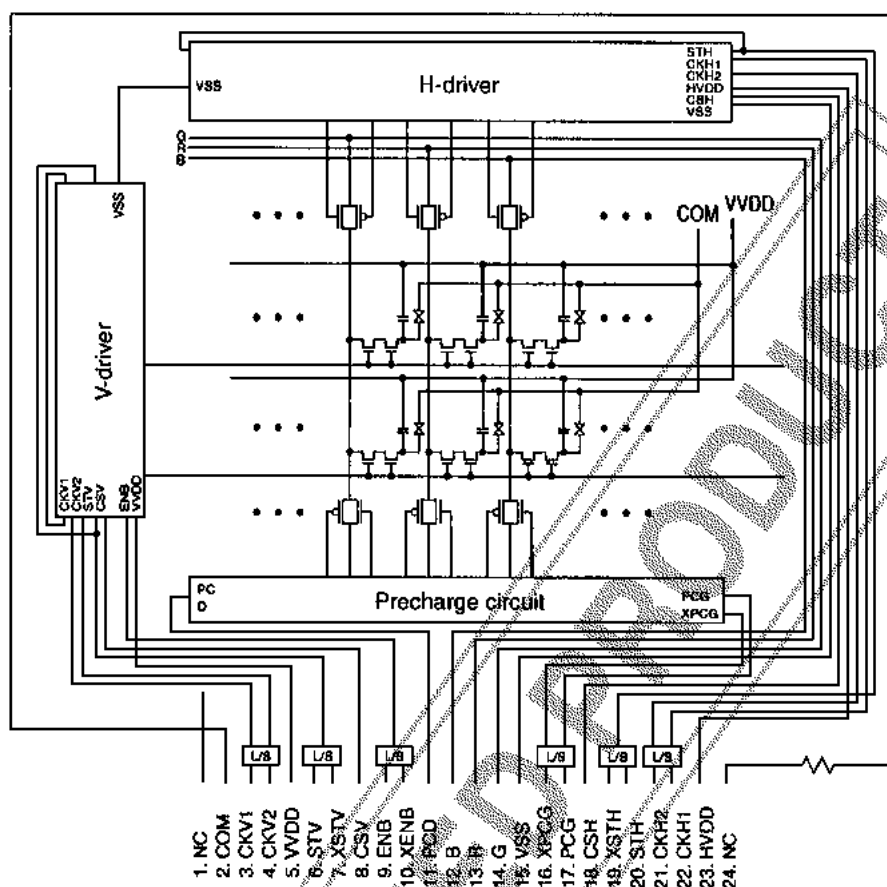
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Pin Assignment and Internal Wiring Diagram of the ALP215



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