



# PRODUCT SPECIFICATIONS

For Customer: \_\_\_\_\_ ☐ : APPROVAL FOR SPECIFICATION

Customer Model No. \_\_\_\_\_ ☐ : APPROVAL FOR SAMPLE

Module No.: **SQ080B331M-I7401**

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## For Customer's Acceptance:

Approved By	Comment

PREPARED	CHECKED	VERIFIED BY QA DEPT	VERIFIED BY R&D DEPT



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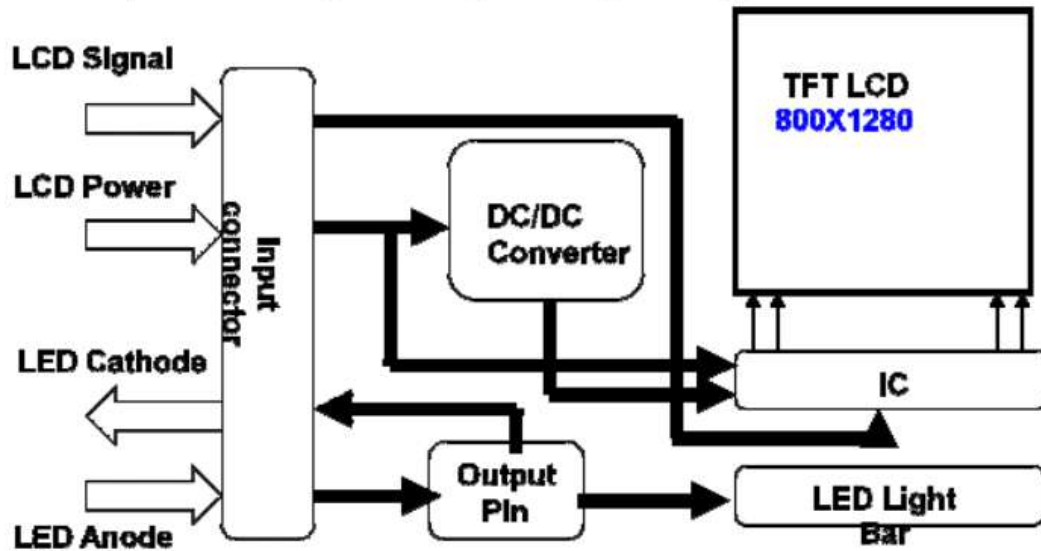


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## 1.0 GENERAL DESCRIPTION

### 1.1 Introduction

**SQ080B331M-I7401** is a color active matrix TFT LCD FOG product using amorphous silicon TFT's (Thin Film Transistors) as an active switching devices. This product has a 8.0inch diagonally measured active area with WXGA resolutions (800 horizontal by 1280 vertical pixel array). Each pixel is divided into RED, GREEN, BLUE dots which are arranged in vertical stripe and this FOG can display 16.7M colors. The TFT-LCD panel used for this product is adapted for higher color type.



### 1.2 Features

- 4 lanes MIPI Interface
- Data enable signal mode
- 8-bit color depth, display 16.7M colors
- Low driving voltage and low power consumption
- RoHS Compliant

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1.4 General Specification

The followings are general specifications at the model TV080WXM-NL0. (listed in Table 1.)

< Table 1. General Specifications >

Parameter	Specification	Unit	Remarks
Active area	107.64(W) x 172.224(H)	mm	
Number of pixels	800(H) ×1280(V)	pixels	
Pixel pitch	44.85(H) ×RGB×134.55(V)	μm	
Pixel arrangement	Pixels RGB stripe arrangement		
Display colors	16.7M(Real 8bits)	colors	
Display mode	Normally Black		
Outline Dimension	112.64(V) × 181.824 (H)	mm	Tolerance:±0.15 mm
Weight	120	gram	max.
Power Consumption	1.46(max.)	Watt	
Surface Treatment	AG		



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### 2.0 ABSOLUTE MAXIMUM RATINGS

The followings are maximum values which, if exceed, may cause faulty operation or damage to the unit.  
The operational and non-operational maximum voltage and current values are listed in Table 2.

< Table 2. Absolute Maximum Ratings>

Parameter	Symbol	Min.	Max.	Unit	Remarks
Power Supply Voltage	VDD	-0.3	5.0	V	Note 1
Operating Temperature	TOP	-20	+60	°C	Note 2
Storage Temperature	TST	-20	+60	°C	

- Notes : 1. Permanent damage to the device may occur if maximum values are exceeded  
functional operation should be restricted to the condition described under normal  
operating conditions.
2. Temperature and relative humidity range are shown in the figure below.  
95 % RH Max. ( 40 OC  $\geq$  Ta)  
Maximum wet - bulb temperature at 39 OC or less. (Ta > 40 OC) No condensation.

