Mini-LED Display Module

Features:

- High Brightness Level from 1,000 to 5,000 nits
- Display Size Available from 5" to 65"
- High Contrast Ratio: 100,000:1
- Lower Power Consumption: Reduced by 30% to 50%
- Sunlight Readable

Part number: EB156M576Q3419L18A
Product description: 15.6” Mini-LED FALD Display Module
Local dimming zone: 576 zones
Brightness: 1800 nits
LCD: AHVA
Resolution: 1920*1080px, normally black
Viewing Angle: 85/85/85/85 (Typ.), CR≥10
Color depth: 16.7 M
Interface: LVDS
Operating temperature: -30°C ~ 80°C
Storage temperature: -30°C ~ 80°C

Product profile



Perspective view

Top View	Bottom View
	

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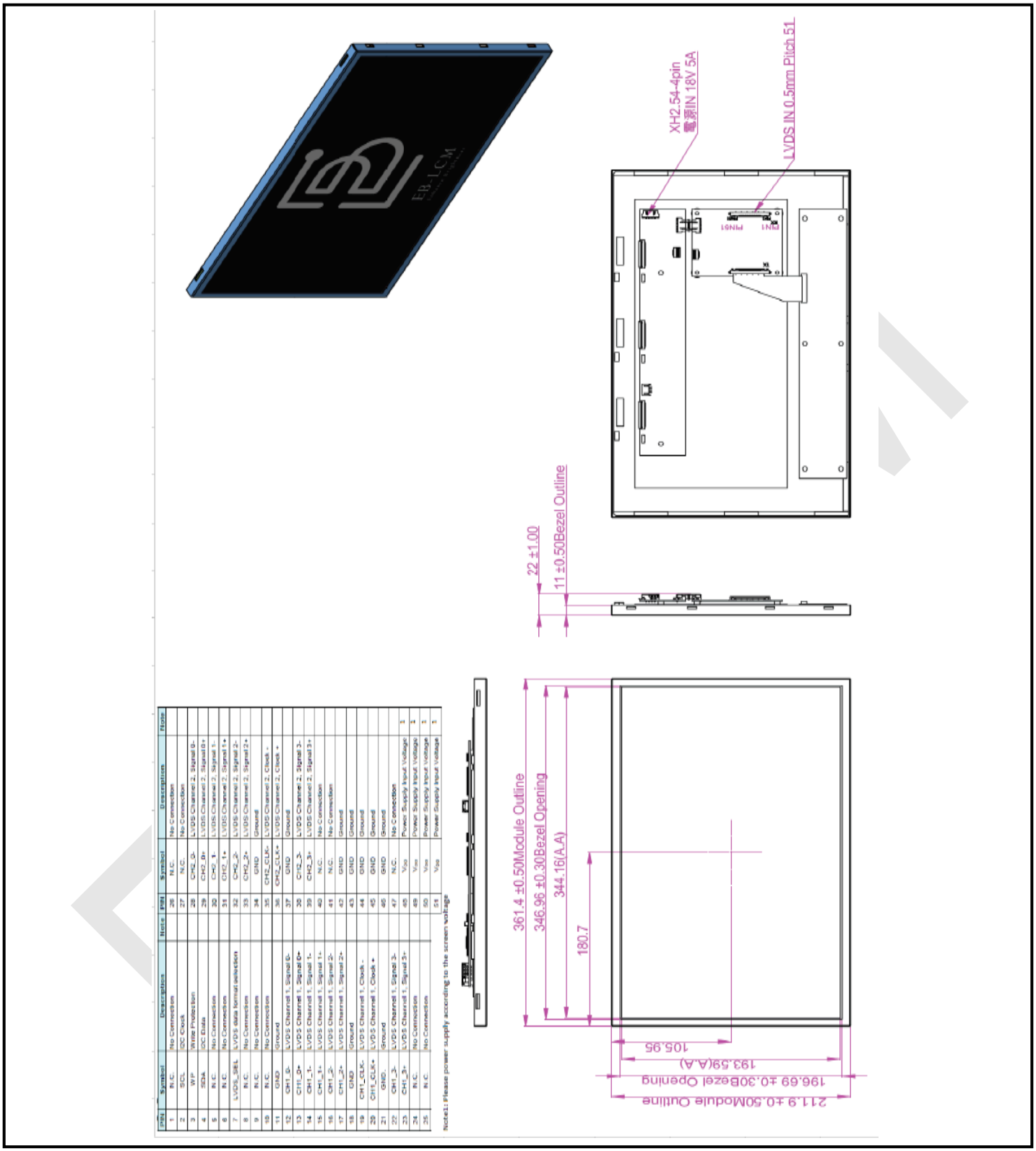

PIN	Symbol	Description	Note	PIN	Symbol	Description	Note
1	N.C.	No Connection		26	N.C.	No Connection	
2	SCL	I2C Clock		27	N.C.	No Connection	
3	WP	Write Protection		28	CH2_0-	LVDS Channel 2, Signal 0-	
4	SDA	I2C Data		29	CH2_0+	LVDS Channel 2, Signal 0+	
5	N.C.	No Connection		30	CH2_1-	LVDS Channel 2, Signal 1-	
6	N.C.	No Connection		31	CH2_1+	LVDS Channel 2, Signal 1+	
7	LVDS_SEL	LVDS data format selection		32	CH2_2-	LVDS Channel 2, Signal 2-	
8	N.C.	No Connection		33	CH2_2+	LVDS Channel 2, Signal 2+	
9	N.C.	No Connection		34	GND	Ground	
10	N.C.	No Connection		35	CH2_CLK-	LVDS Channel 2, Clock -	
11	GND	Ground		36	CH2_CLK+	LVDS Channel 2, Clock +	
12	CH1_0-	LVDS Channel 1, Signal 0-		37	GND	Ground	
13	CH1_0+	LVDS Channel 1, Signal 0+		38	CH2_3-	LVDS Channel 2, Signal 3-	
14	CH1_1-	LVDS Channel 1, Signal 1-		39	CH2_3+	LVDS Channel 2, Signal 3+	
15	CH1_1+	LVDS Channel 1, Signal 1+		40	N.C.	No Connection	
16	CH1_2-	LVDS Channel 1, Signal 2-		41	N.C.	No Connection	
17	CH1_2+	LVDS Channel 1, Signal 2+		43	GND	Ground	
18	GND	Ground		43	GND	Ground	
19	CH1_CLK-	LVDS Channel 1, Clock -		44	GND	Ground	
20	CH1_CLK+	LVDS Channel 1, Clock +		45	GND	Ground	
21	GND	Ground		46	GND	Ground	
22	CH1_3-	LVDS Channel 1, Signal 3-		47	N.C.	No Connection	
23	CH1_3+	LVDS Channel 1, Signal 3+		48	VDD	Power Supply Input Voltage	1
24	N.C.	No Connection		49	VDD	Power Supply Input Voltage	1
25	N.C.	No Connection		50	VDD	Power Supply Input Voltage	1
				51	VDD	Power Supply Input Voltage	1

Note1: Please power supply according to the screen voltage

Note on Intelligent Protection Mechanism: This module is equipped with a proactive Over Temperature Protection (OTP) system. For Average Picture Level (APL) exceeding 70% for more than 240 seconds, brightness will adjust gradually (10% every 30s) to safeguard internal components. Recovery to 100% brightness is automatic once APL drops below 60%. This mechanism is a standard safety feature to ensure the LCM's extended lifespan and consistent performance under varying usage scenarios.

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