



Military Display

# 6.4 inch LCD Module Specification

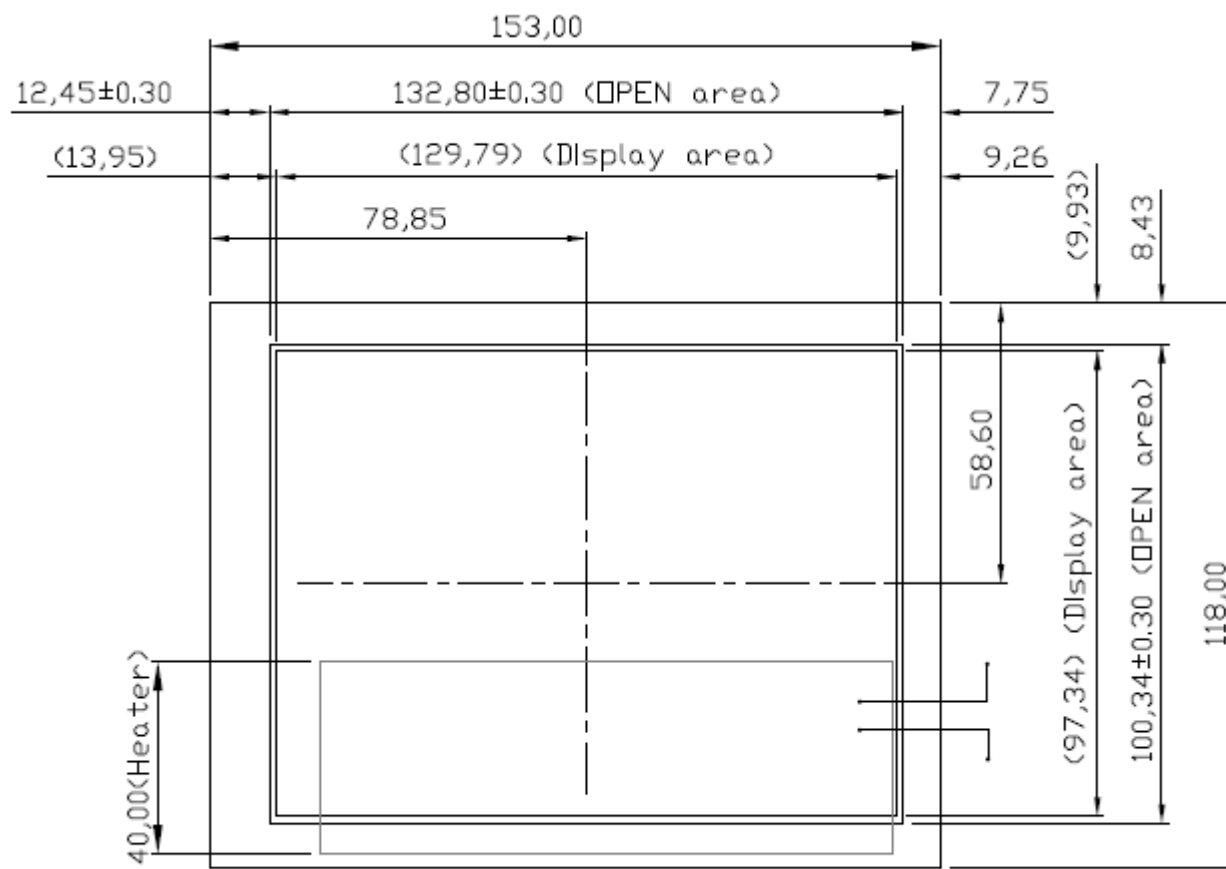
Model No. : SLM-MN064M-E

Date : \_\_\_\_\_

Customer	ACT Power GM

# SLM-MN064M-E

## Appearance



## LVDS Pin Assignment

Pin No.	Symbol	Signal	Pin No.	Symbol	Signal
1	V <sub>DD</sub>	Power Supply for Logic	11	IN2-	Pixel Data
2	V <sub>DD</sub>		12	IN2+	
3	V <sub>SS</sub>	GND	13	V <sub>SS</sub>	GND
4	V <sub>SS</sub>		14	CLK IN-	Pixel Clock
5	IN0-	Pixel Data	15	CLK IN+	
6	IN0+		16	V <sub>SS</sub>	GND
7	V <sub>SS</sub>	GND	17	IN3-	Pixel Data
8	IN1-	Pixel Data	18	IN3+	
9	IN1+		19	SD	Scan Direction Control (Note 2)
10	V <sub>SS</sub>	GND	20	AMODE	Open / L: JEIDA, H: VESA

Note 1: IN n- and IN n+ (n=0, 1, 2, 3), CLK IN- and CLK IN+ should be wired by twist-pairs or side-by-side FPC patterns, respectively.

Note 2: Scan direction is available to be switched as below.

## Specifications

### LCD Module

LCD Size	6.4 TFT LCD
Backlight	LED
Resolution	1024 x 768
View Angle	± 85° (H), ±85° (V)
Luminance	800 cd/m2 (after bonding)
Contrast Ratio	800:1
Aspect Ratio	4:3
Response Time	30 ms
No. of Color	16.7 Million (8 bit/color)
Active area	129.792 x 97.344 mm
Pixel Pitch	0.12675 (H) x 0.12675 (V)
LED Life Time	70,000 Hours
Glass	AG/AR Strengthen Glass
Optical Bonding	EMI mesh with optical bonding

### Environmental

Operating Temperature	-40°C to +80°C (Note)
Storage Temperature	-40°C to +80°C (Note)
Humidity	85% RH max, @ 40°C non-condensing
EMI/EMC	The LCD Kit is designed to meet ML-STD-461E/F for a whole display unit(Note)
Shock	The LCD Kit is designed to meet MIL-STD-810D for a whole display unit(Note)
Vibration	The LCD Kit is designed to meet MIL-STD-810E for a whole display unit( Note)
Altitude above sea level	0~9144 M (30000 feet)(Note)

**Note: To work with mentioned certifications, this LCD Kit has offered the potential to be designed in to gain such certification however it is still depends on the final design of the full unit to pass the test and validation of such certification.**

## Order information

Model Name	Description	Qty
SLM-MN064M-E	6.4 inch military lcd module	1