



Military Display

8.4 inch LCD Module Specification

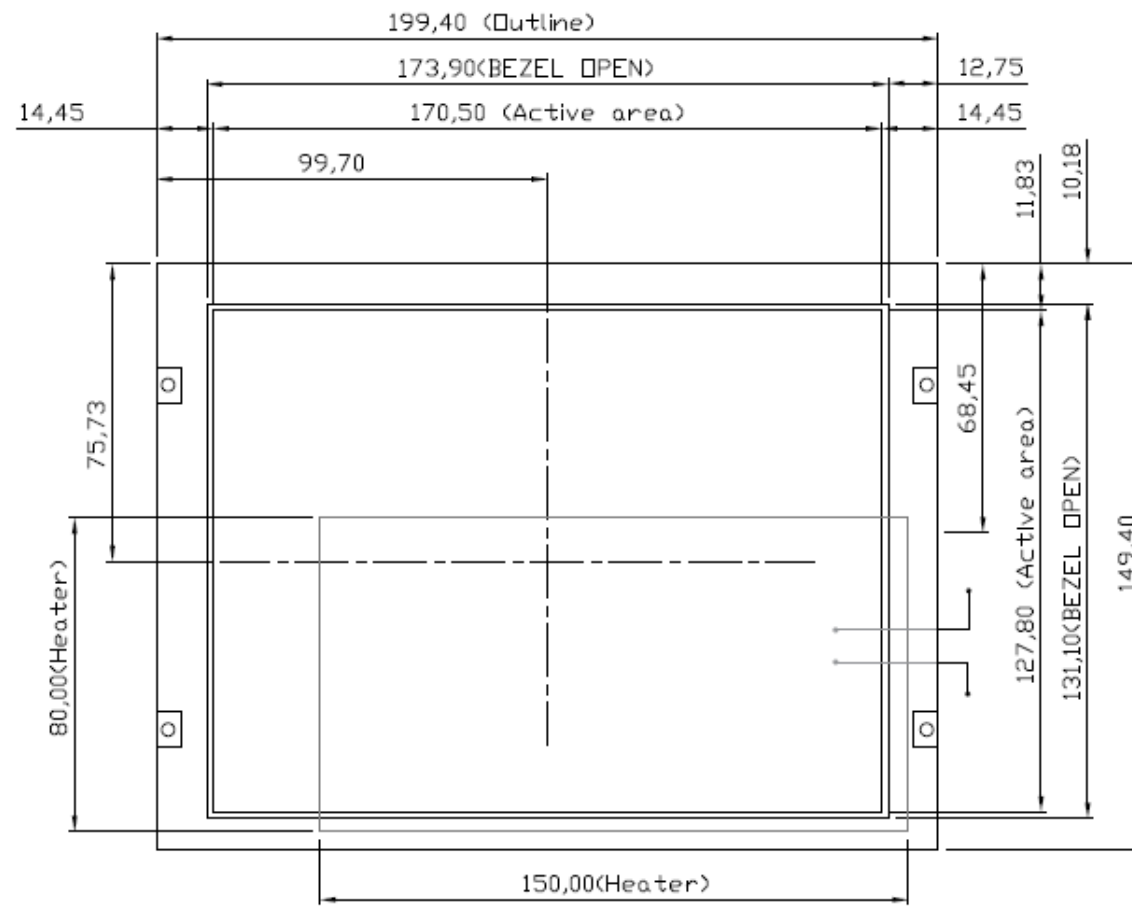
Model No. : SLM-MN084M2-E

Date : _____

Customer	ACT Power GM

SLM-MN084M2-E

Appearance



LVDS Pin Assignment

Pin No.	Name	I/O	Description	Note
40	A1	I	Backlight Anode 1	
39	A1	I	Backlight Anode 1	
38	C1	O	Backlight Cathode 1	
37	C1	O	Backlight Cathode 1	
36	A2	I	Backlight Anode 2	
35	A2	I	Backlight Anode 2	
34	C2	O	Backlight Cathode 2	
33	C2	O	Backlight Cathode 2	
32	A3	I	Backlight Anode 3	
31	A3	I	Backlight Anode 3	
30	C3	O	Backlight Cathode 3	
29	C3	O	Backlight Cathode 3	
28	NTC1	O	Temperature Sensor Pin 1 LED FPC	
27	NTC2	O	Temperature Sensor Pin 2 LED FPC	
26	HVR	I	Horizontally and Vertically Inverted	
25	N.C.	-	Not Connected	
24	ASIL FB	O	ASIL Feedback Signal (GSP_OUT)	
23	GND	I	Ground	
22	RDP	I	LVDS Data 3 +	
21	RDM	I	LVDS Data 3 -	

20	GND	I	Ground	
19	RCLKP	I	LVDS Clock +	
18	RCLKM	I	LVDS Clock -	
17	GND	I	Ground	
16	RCP	I	LVDS Data 2 +	
15	RCM	I	LVDS Data 2 -	
14	GND	I	Ground	
13	RBP	I	LVDS Data 1 +	
12	RBM	I	LVDS Data 1 -	
11	GND	I	Ground	
10	RAP	I	LVDS Data 0 +	
9	RAM	I	LVDS Data 0 -	
8	GND	I	Ground	
7	GND	I	Ground	
6	VCC	I	Power Supply (3.3V)	
5	VCC	I	Power Supply (3.3V)	
4	TEST 1	I	Test pin #1	
3	TEST 2	I	Test pin #2	
2	TEST 3	I	Test pin #3	
1	N.C.	-	Not Connected	

Specifications

LCD Module

LCD Size	8.4 TFT LCD
Backlight	LED
Resolution	1024 x 768
View Angle	± 89° (H), ±89° (V)
Luminance	800 cd/m2 (after bonding)
Contrast Ratio	1200:1
Aspect Ratio	4:3
Response Time	8 ms
No. of Color	16.7 M (8 bit/color)
Active area	170.4 x 127.8 mm
Pixel Pitch	0.1665 (H) x 0.1665 (V)
LED Life Time	70,000 Hours
Glass	AR Coating, Strengthen Glass
Optical Bonding	EMI mesh with optical bonding

Environmental

Operating Temperature	-40°C to +80°C
Storage Temperature	-40°C to +90°C
Humidity	95% RH max, @ 40°C non-condensing (Note)
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-MN084M2-E	8.4 inch military lcd module	1