



# 24 inch LCD kit Specification

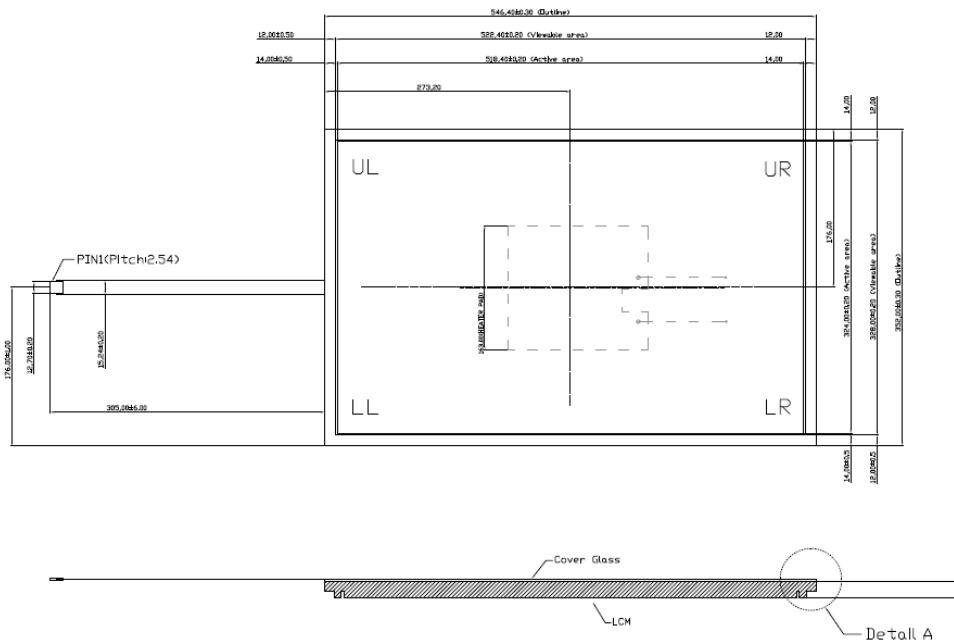
Model No. : SLM-MR240K-E

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

Customer	ACT Power GM

# SLM-MR240K-E

## Appearance



## LVDS Pin Assignment

PIN #	SIGNAL NAME	DESCRIPTION
1	VSS	Power Ground
2	NC	Do not connect ( for AUO test)
3	NC	Do not connect ( for AUO test)
4	NC	Do not connect ( for AUO test)
5	NC	Do not connect ( for AUO test)
6	NC	Do not connect ( for AUO test)
7	VSS	Power Ground
8	VSS	Power Ground
9	NC	Do not connect ( for AUO test)
10	VSS	Power Ground
11	VSS	Power Ground
12	RxOIN0-	Negative LVDS differential data input (Odd data)
13	RxOIN0+	Positive LVDS differential data input (Odd data)
14	RxOIN1-	Negative LVDS differential data input (Odd data)
15	RxOIN1+	Positive LVDS differential data input (Odd data)
16	RxOIN2-	Negative LVDS differential data input (Odd data)
17	RxOIN2+	Positive LVDS differential data input (Odd data)
18	VSS	Power Ground
19	RxOCLKIN-	Negative LVDS differential clock input (Odd clock)
20	RxOCLKIN+	Positive LVDS differential clock input (Odd clock)
21	VSS	Power Ground
22	RxOIN3-	Negative LVDS differential data input (Odd data)
23	RxOIN3+	Positive LVDS differential data input (Odd data)
24	RxOIN4-	Negative LVDS differential data input (Odd data)
25	RxOIN4+	Positive LVDS differential data input (Odd data)
26	VSS	Power Ground
27	VSS	Power Ground
28	RxEIN0-	Negative LVDS differential data input (Even data)
29	RxEIN0+	Positive LVDS differential data input (Even data)
30	RxEIN1-	Negative LVDS differential data input (Even data)

PIN #	SIGNAL NAME	DESCRIPTION
31	RxEIN1+	Positive LVDS differential data input (Even data)
32	RxEIN2-	Negative LVDS differential data input (Even data)
33	RxEIN2+	Positive LVDS differential data input (Even data)
34	VSS	Power Ground
35	RxECLKIN-	Negative LVDS differential clock input (Even clock)
36	RxECLKIN+	Positive LVDS differential clock input (Even clock)
37	VSS	Power Ground
38	RxEIN3-	Negative LVDS differential data input (Even data)
39	RxEIN3+	Positive LVDS differential data input (Even data)
40	RxEIN4-	Negative LVDS differential data input (Even data)
41	RxEIN4+	Positive LVDS differential data input (Even data)
42	VSS	Power Ground
43	VSS	Power Ground
44	VSS	Power Ground
45	VSS	Power Ground
46	NC	Do not connect ( for AUO test)
47	NC	Do not connect ( for AUO test)
48	VCC	+12.0V Power Supply
49	VCC	+12.0V Power Supply
50	VCC	+12.0V Power Supply
51	VCC	+12.0V Power Supply

## Specifications

### LCD Module

LCD Size	24 TFT LCD
Backlight	LED
Resolution	1920 x 1200
View Angle	± 89° (H), ±89° (V)
Luminance	700 cd/m2 (after bonding)
Contrast Ratio	1000:1
Aspect Ratio	16:10
Response Time	14 ms
No. of Color	1.07B
Active area	518.4 x 324 mm
Pixel Pitch	0.270 (H) x 0.270 (V)
LED Life Time	50,000 Hrs (Min)

### Touch Screen

Touch Type	5-Wire Resistive Touch
Viewable Area	522.4 x 328 mm
Active Area	518.4 x 324 mm
Touch Interface	USB
Touch Glass	AG/AR Strengthen Glass
Optical Bonding	EMI mesh with optical bonding
Touch Drivers	Support Windows, Linux, Mac, etc.

### Environmental

Operating Temperature	-20°C to +60°C (Note)
Storage Temperature	-30°C to +70°C (Note)
Humidity	Ta=40°C, 95%RH, 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.**



## Specifications

### AD Board

Support VGA signal	Color : 24 bit / Hor. Frequency : 30-80KHZ / Ver. Frequency : 50-75HZ
Support DVI/HDMI signal	Color : 24 bit / Hor. Frequency : 30-80KHZ / Ver. Frequency : 50-75HZ
Input Interface	VGA / DVI / HDMI (1.3/1.4) / USB / Audio
Output Interface	41Pin / 0.5mm LVDS Connector / Wafer 4Pin 2.0mm (R/L x1) AV Output x 1
Key Control	Power, Menu, Select, CH+, CH-, Up, Down
OSD Language	English
DC Input	DC +12V
Panel selection	DC+3.3V/+5V/+12V

## Order information

Model Name	Description	Qty
SLM-MR240K-E	24 inch military lcd kit	1

Qty  
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