



27" LCD Module Specification

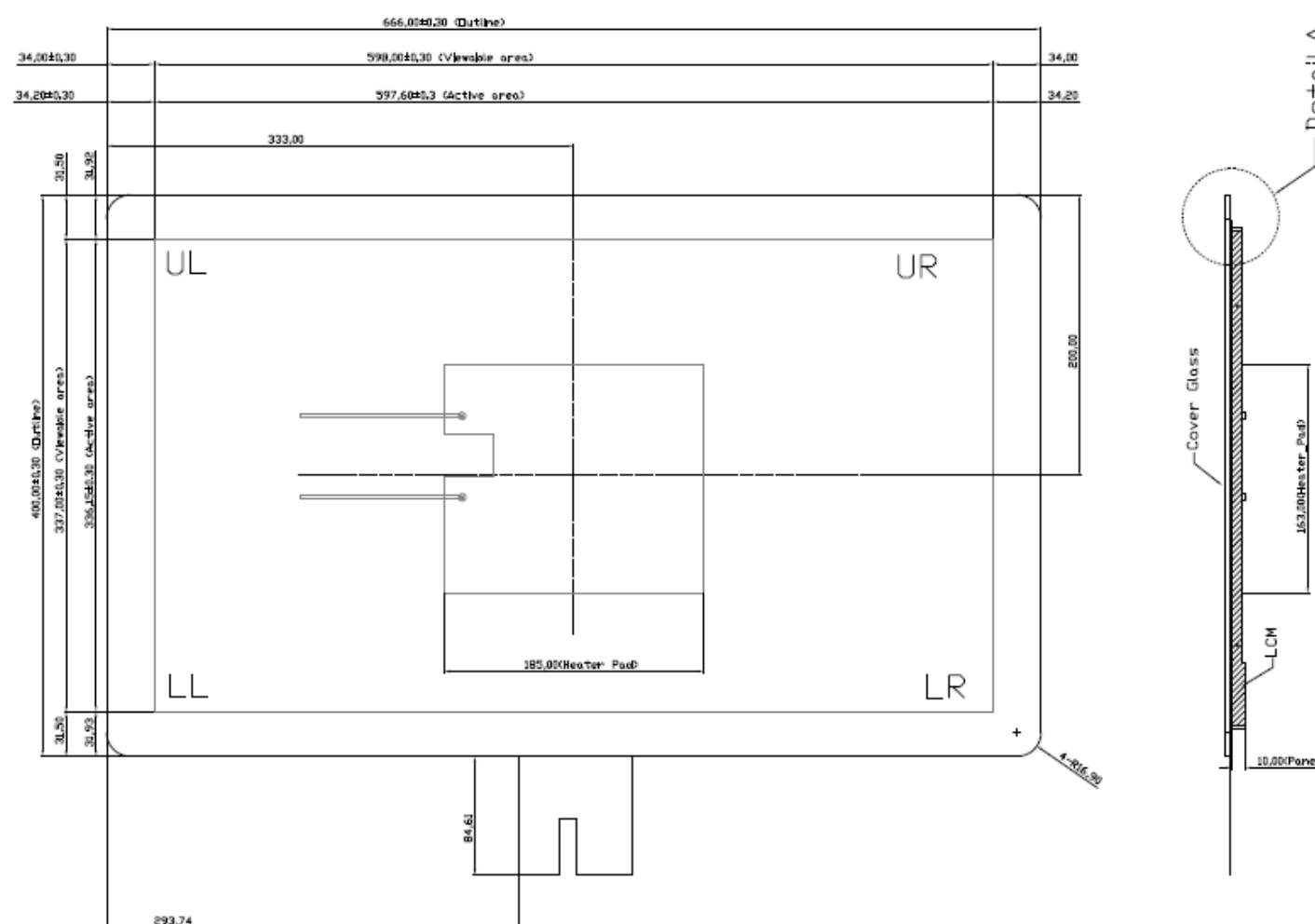
Model No. : SLM-MC270M1-E

Date : _____

Customer	ACT Power GM

SLM-MC270M1-E

Appearance



LVDS Pin Assignment

PIN ASSIGNMENT

Pin	Name	Description
1	RXC0-	Negative LVDS differential data input. Channel 00 (odd)
2	RXC0+	Positive LVDS differential data input. Channel 00 (odd)
3	RXC1-	Negative LVDS differential data input. Channel 01 (odd)
4	RXC1+	Positive LVDS differential data input. Channel 01 (odd)
5	RXC2-	Negative LVDS differential data input. Channel 02 (odd)
6	RXC2+	Positive LVDS differential data input. Channel 02 (odd)
7	GND	Ground
8	RXC0-	Negative LVDS differential clock input. (odd)
9	RXC0+	Positive LVDS differential clock input. (odd)
10	RXC3-	Negative LVDS differential data input. Channel 03 (odd)
11	RXC3+	Positive LVDS differential data input. Channel 03 (odd)
12	RXE0-	Negative LVDS differential data input. Channel E0 (even)
13	RXE0+	Positive LVDS differential data input. Channel E0 (even)
14	GND	Ground
15	RXE1-	Negative LVDS differential data input. Channel E1 (even)
16	RXE1+	Positive LVDS differential data input. Channel E1 (even)
17	GND	Ground
18	RXE2-	Negative LVDS differential data input. Channel E2 (even)
19	RXE2+	Positive LVDS differential data input. Channel E2 (even)
20	RXE3-	Negative LVDS differential clock input. (even)
21	RXE3+	Positive LVDS differential clock input. (even)
22	RXE3-	Negative LVDS differential data input. Channel E3 (even)
23	RXE3+	Positive LVDS differential data input. Channel E3 (even)
24	GND	Ground
25	NC	For LCD internal use only. Do not connect.

Specifications

LCD Module

LCD Size	27 TFT LCD
Backlight	LED
Resolution	1920 x 1080
View Angle	± 89° (H), ±89° (V)
Luminance	700 cd/m2 (After Bonding)
Contrast Ratio	3000:1
Aspect Ratio	16:9
Response Time	20 ms
No. of Color	16.7M (True 8 Bit)
Active Area	597.6(H) x 336.15(V) mm
Pixel Pitch	311.25 (Per One Triad) x 311.25 um
LED Life Time	50,000Hrs

Touch Screen

Touch Type	Capacitive Touch
Viewable Area	598 x 337 mm
Active Area	597.6 x 336.15 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 +55°C (Note)
Storage Temperature	-30°C to +70°C (Note)
Humidity	Operating: 95%, @ 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

SLM-MC270M1-E

Description

27" Military LCD Module

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1