



Military Display

# 15 inch LCD Module Specification

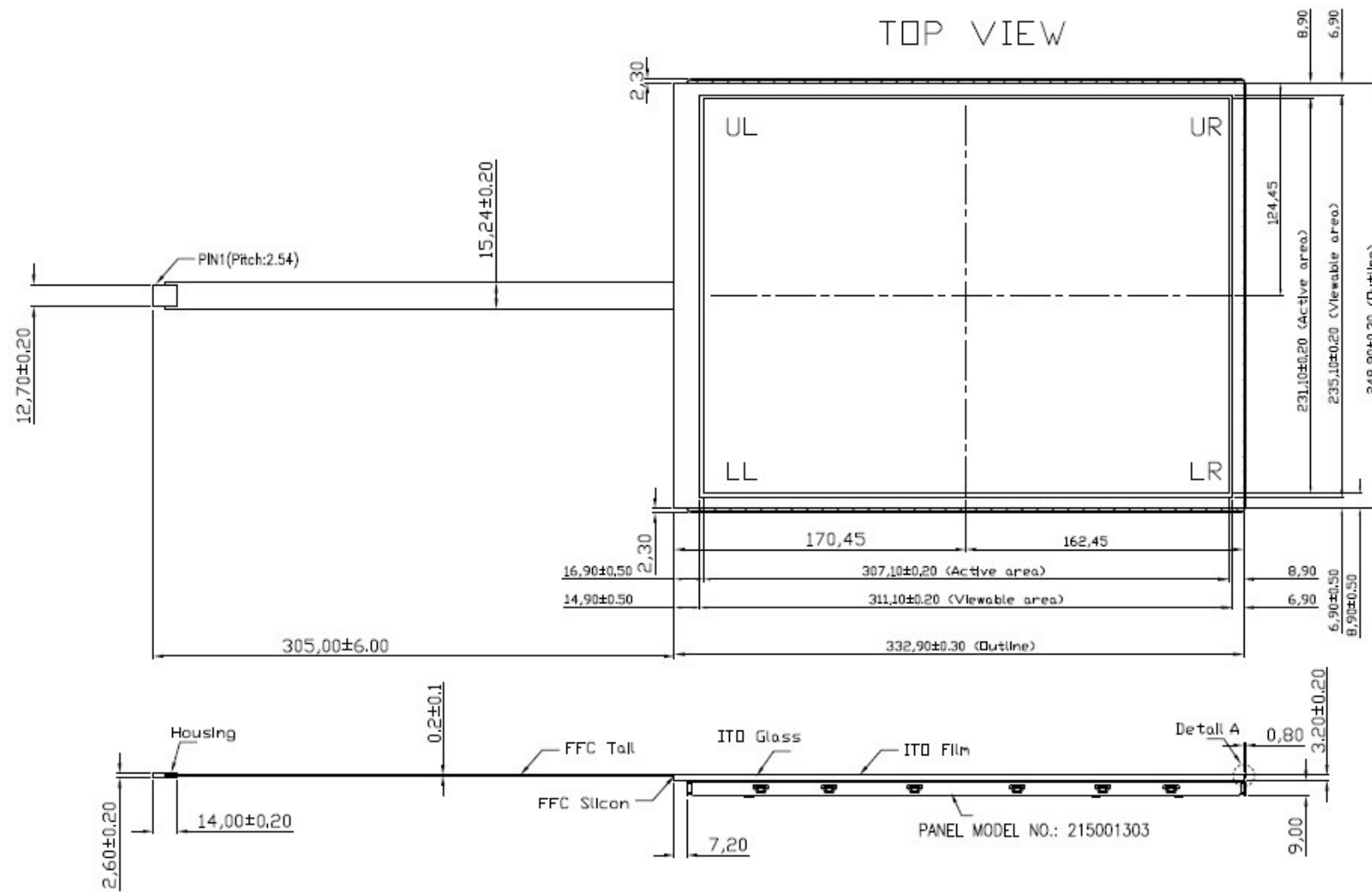
Model No. : SLM-MR150M-E

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

Customer	ACT Power GM

# SLM-MR150M-E

## Appearance



## LVDS Pin Assignment

Pin No.	Symbol	Function	Polarity	Note
1	VCC	Power Supply +3.3V(typical)		
2	VCC	Power Supply +3.3V(typical)		
3	NC	No Connction (Reserve for INX test)		
4	LR/UD	Reverse Scan Control H or NC = Normal Mode. L = Horizontal/ Vertical Reverse Scan.		
5	RX0-	LVDS Differential Data Input	Negative	
6	RX0+	LVDS Differential Data Input	Positive	
7	GND	Ground		
8	RX1-	LVDS Differential Data Input	Negative	
9	RX1+	LVDS Differential Data Input	Positive	
10	NC	No Connction (Reserve for INX test)		
11	RX2-	LVDS Differential Data Input	Negative	
12	RX2+	LVDS Differential Data Input	Positive	
13	GND	Ground		
14	RXCLK-	LVDS Differential Data Input	Negative	
15	RXCLK+	LVDS Differential Data Input	Positive	
16	GND	Ground		
17	RX3-	LVDS Differential Data Input	Negative	
18	RX3+	LVDS Differential Data Input	Positive	
19	NC	No Connction (Reserve for INX test)		
20	SEL68	LVDS 6/8 bit select function control, High stands 6bit Input Mode Low or NC stands 8bit Input Mode		Note (3)

## Specifications

### LCD Module

LCD Size	15 TFT LCD
Backlight	LED
Resolution	1024 x 768
View Angle	± 88° (H), ±88° (V)
Luminance	700 cd/m2 (after bonding)
Contrast Ratio	2500:1
Aspect Ratio	4:3
Response Time	13 ms
No. of Color	16.7M
Active area	304.1 x 228.1 mm
Pixel Pitch	0.297 (H) x 0.297 (V)
LED Life Time	50,000 Hrs (Min)

### Touch Screen

Touch Type	5-Wire Resistive Touch
Viewable Area	311.10 x 235.10 mm ± 0.20mm
Active Area	307.10 x 231.10 mm ± 0.20mm
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	Ta=40°C, 90%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.**

## Order information

Model Name	Description	Qty
SLM-MR150M-E	15 inch military lcd module	1