



18.5" LCD Module Specification

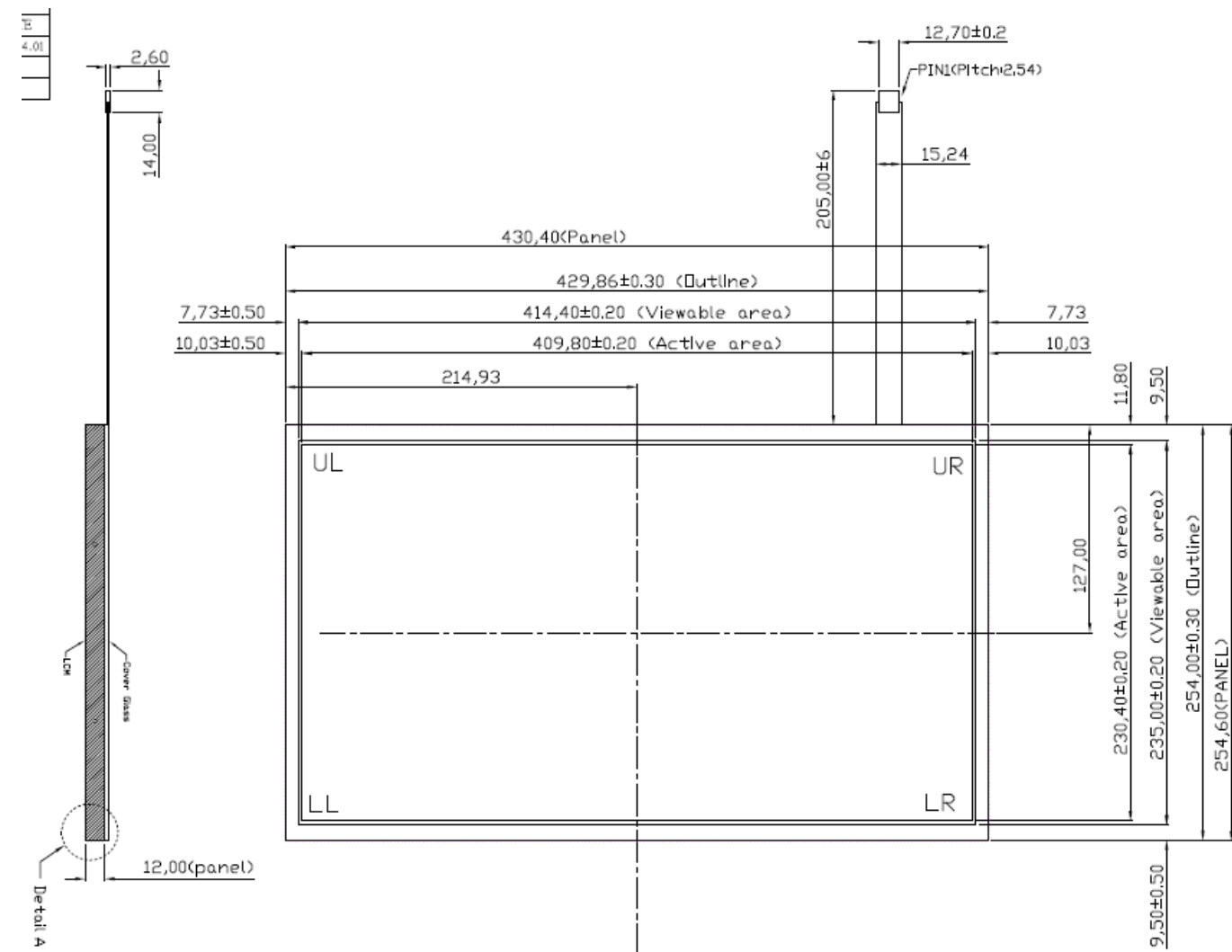
Model No. : SLM-MR185M-E

Date : _____

Customer	ACT Power GM

SLM-MR185M-E

Appearance



LVDS Pin Assignment

Pin#	Signal Name	Pin#	Signal Name
1	RxOIN0-	2	RxOIN0+
3	RxOIN1-	4	RxOIN1+
5	RxOIN2-	6	RxOIN2+
7	VSS	8	RxOCLKIN-
9	RxOCLKIN+	10	RxOIN3-
11	RxOIN3+	12	RxEIN0-
13	RxEIN0+	14	VSS
15	RxEIN1-	16	RxEIN1+
17	VSS	18	RxEIN2-
19	RxEIN2+	20	RxECLKIN-
21	RxECLKIN+	22	RxEIN3-
23	RxEIN3+	24	VSS
25	NC	26	NC
27	NC	28	VCC
29	VCC	30	VCC

Specifications

LCD Module	
LCD Size	18.5 TFT LCD
Backlight	LED
Resolution	1920 x 1080
View Angle	± 89° (H), ±89° (V)
Luminance	700 cd/m2 (After Bonding)
Contrast Ratio	1000:1
Aspect Ratio	16:9
Response Time	20 ms
No. of Color	16.7M (True 8 Bit)
Active area	408.96(H) x 230.04(V) mm
Pixel Pitch	213 (Per One Triad) x 213 um
LED Life Time	50,000 Hrs
Touch Screen	
Touch Type	5-Wire Resistive Touch
Viewable Area	414.40 x 3 mm
Active Area	409.8 x230.240 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 +70°C (Note)
Storage Temperature	-20°C to +70°C (Note)
Humidity	Ta=50°C, 80%RH, 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 1: To work with mentioned certifications, this LCD Kit has offered the potential to be designed in to grain such certification however it is still depends on the final design of the full unit to pass the test and validation of such certification.

Note 2: Follow the industrial quality standard this LCD panel will include minimum 3 bright or dead pixels on viewable area and maxium total 5 bright or dead pixels on whole LCD panel.

Order information

Model Name	Description	Qty
SLM-MR185M-E	18.5" Military LCD Module	1