



Military Display

10.4 inch LCD Module Specification

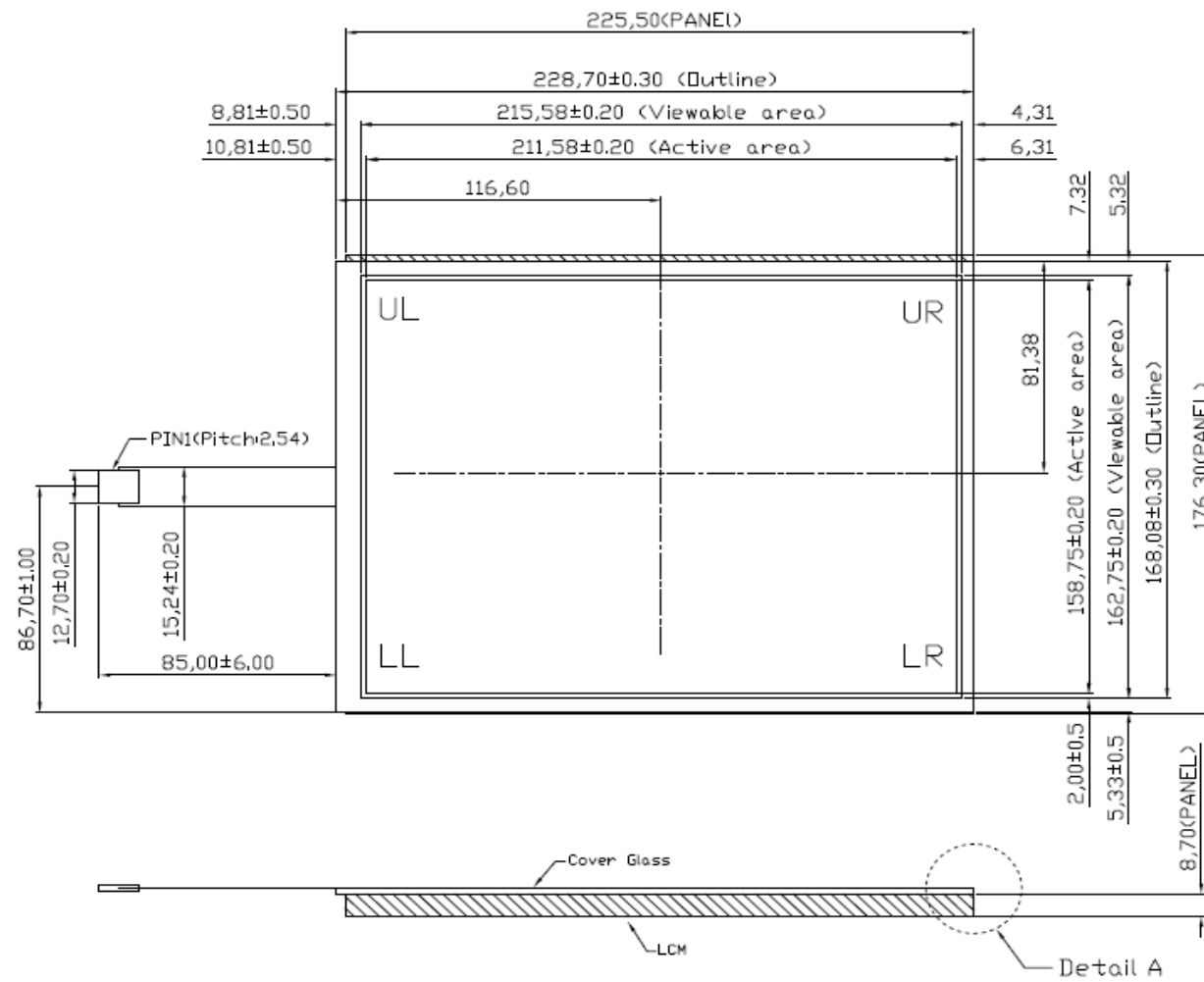
Model No. : SLM-MR104M-E

Date : _____

Customer	ACT Power GM

SLM-MR104M-E

Appearance



LVDS Pin Assignment

CN1 Connector Pin Assignment

Pin No.	Symbol	Description	Note
1	VCC	Power supply: +3.3V	-
2	VCC	Power supply: +3.3V	-
3	VCC	Power supply: +3.3V	-
4	GND	Ground	-
5	GND	Ground	-
6	GND	Ground	-
7	RPF1	Reverse Panel Function (Display Rotation)	(2)
8	NC	No Connection	(2)
9	NC	No Connection	(2)
10	NC	No Connection	(2)
11	SEL6/8	LVDS 6/8 bit select function control, Low or NC → 8 bit Input Mode High → 6bit Input Mode	(2)
12	GND	Ground	-
13	NC	No Connection	(2)
14	GND	Ground	-
15	RXD-	Negative transmission data of pixel 0	-
16	RXD+	Positive transmission data of pixel 0	-
17	GND	Ground	-
18	RX1-	Negative transmission data of pixel 1	-
19	RX1+	Positive transmission data of pixel 1	-
20	GND	Ground	-
21	RX2-	Negative transmission data of pixel 2	-
22	RX2+	Positive transmission data of pixel 2	-
23	GND	Ground	-
24	RXCLK-	Negative of clock	-
25	RXCLK+	Positive of clock	-
26	GND	Ground	-
27	RX3-	Negative transmission data of pixel 3	-
28	RX3+	Positive transmission data of pixel 3	-
29	GND	Ground	-
30	NC	No Connection	(2)

Note (1) Connector Part No.: STM, M5C82407P30.D or compatible connector

Note (2) "Low" stands for 0V. "High" stands for 3.3V. "NC" stands for "No Connected".



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Specifications

LCD Module

LCD Size	10.4 TFT LCD
Backlight	LED
Resolution	1024 x 768
View Angle	± 88° (H), ±88° (V)
Luminance	700 cd/m2 (after bonding)
Contrast Ratio	1000:1
Aspect Ratio	4:3
Response Time	25 (Tr+Tf) ms
No. of Color	16.1 Million (8 bit/color)
Active area	210.4 x 157.8 mm
Pixel Pitch	0.0685(H) x 0.2055 (V)
LED Life Time	70,000 hr

Touch Screen

Touch Type	5-Wire Resistive Touch
Viewable Area	215.58 x 162.75 mm
Active Area	211.58 x 158.75 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	-30°C to +80°C
Storage Temperature	-30°C to +80°C
Humidity	90% RH, @ 60°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	Description	Qty
SLM-MR104M-E	10.4 inch military lcd module	1