



Military Display

10.1 inch LCD Module with Bezel Specification

Model No. : SLM-MR101M-E

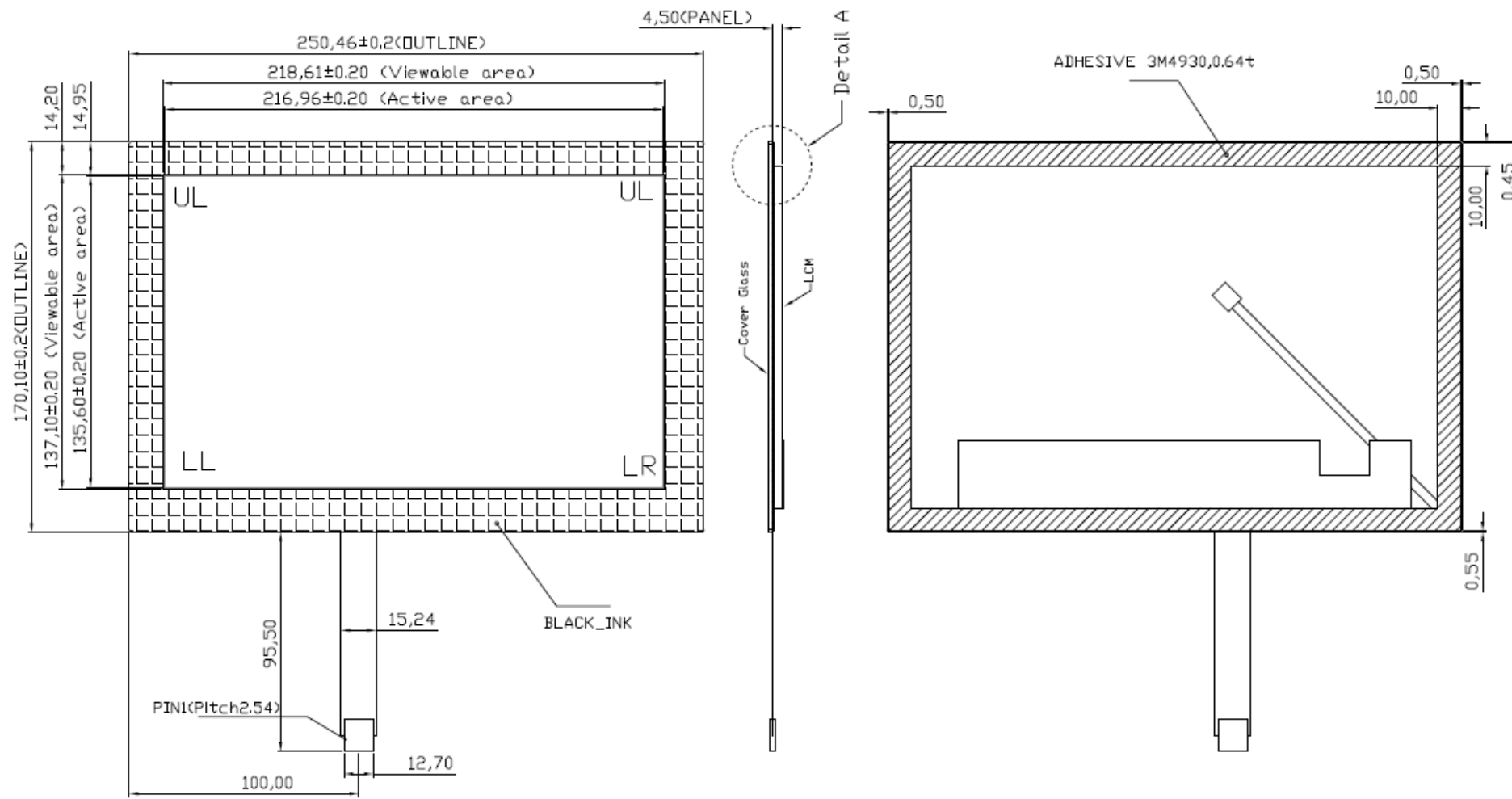
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Customer	ACT Power GM



SLM-MR101M-E

Appearance



LVDS Pin Assignment

Pin No.	Symbol	Description	I/O
1	VLED-	LED Cathode	P
2	VLED-	LED Cathode	P
3	VLED+	LED Anode	P
4	VLED+	LED Anode	P
5	NC	NC	-
6	GND	GROUND	P
7	ELV3P	EVEN LVDS Positive data signal (+)	I
8	ELV3N	EVEN LVDS Negative data signal (-)	I
9	GND	GROUND	P
10	ELV2P	EVEN LVDS Positive data signal (+)	I
11	ELV2N	EVEN LVDS Negative data signal (-)	I
12	GND	GROUND	P
13	ELVCLKP	EVEN LVDS Positive CLK signal (+)	I
14	ELVCLKN	EVEN LVDS Negative CLK signal (-)	I
15	GND	GROUND	P
16	ELV1P	EVEN LVDS Positive data signal (+)	I
17	ELV1N	EVEN LVDS Negative data signal (-)	I
18	GND	GROUND	P
19	ELV0P	EVEN LVDS Positive data signal (+)	I
20	ELV0N	EVEN LVDS Negative data signal (-)	I

Pin No.	Symbol	Description	I/O
21	GND	GROUND	P
22	OLV3P	Odd LVDS Positive data signal (+)	I
23	OLV3N	Odd LVDS Negative data signal (-)	I
24	GND	GROUND	P
25	OLV2P	Odd LVDS Positive data signal (+)	I
26	OLV2N	Odd LVDS Negative data signal (-)	I
27	GND	GROUND	P
28	OLVCLKP	Odd LVDS Positive CLK signal (+)	I
29	OLVCLKN	Odd LVDS Negative CLK signal (-)	I
30	GND	GROUND	P
31	OLV1P	Odd LVDS Positive data signal (+)	I
32	OLV1N	Odd LVDS Negative data signal (-)	I
33	GND	GROUND	P
34	OLV0P	Odd LVDS Positive data signal (+)	I
35	OLV0N	Odd LVDS Negative data signal (-)	I
36	GND	GROUND	P
37	I2C_SDA	OTP_SDA	I
38	I2C_SCL	OTP_SCL	I
39	VDD_OTP	OTP Power supply VDD OTP=8.6V	P
40	EEPEN	Not Connection	I
41	VDDIN	Power supply VDDIN=3.3V (Typ.)	P
42	VDDIN		P
43	VDDIN		P
44	VDDIN		P
45	VDDIN		P

Specifications

LCD Module

LCD Size	10.1 TFT LCD
Backlight	LED
Resolution	1920 x 1200
View Angle	± 80° (H), ±80° (V)
Luminance	700 cd/m2 (after bonding)
Contrast Ratio	900:1
Aspect Ratio	16:10
Response Time	30 ms
No. of Color	16.7M (True 8 Bit)
Active area	216.8064(H) x 135.504(V) mm
Pixel Pitch	0.03764 (H) x 0.11292 (V)
LED Life Time	70,000Hrs

Touch Screen

Touch Type	5-Wire Resistive Touch
Viewable Area	219.56 x 138.20 mm
Active Area	217.56 x 136.20 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	-30°C to +80°C (Note)
Humidity	Operating: 90%, @ 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-MR101M-E	10.1 inch military lcd module with Bezel	1