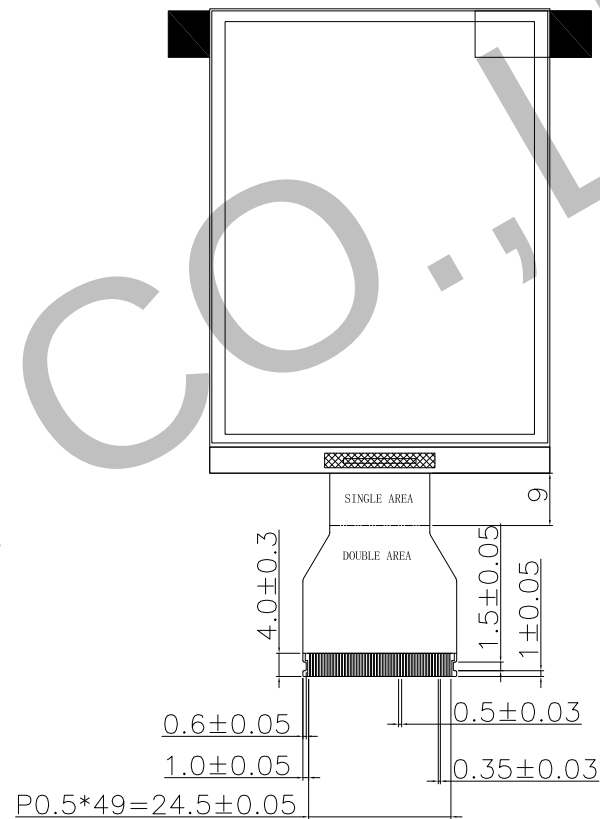
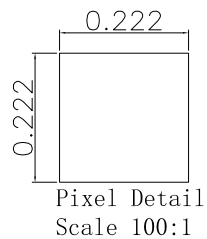
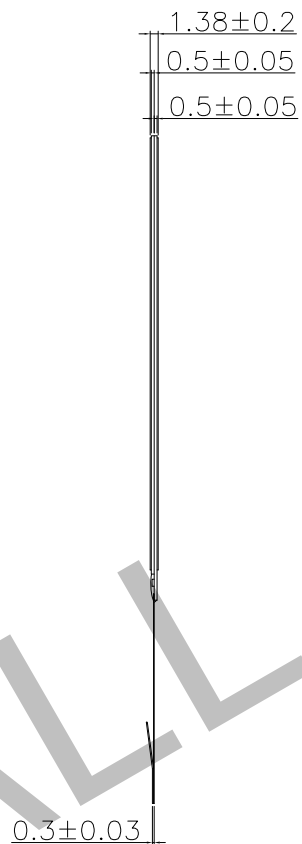
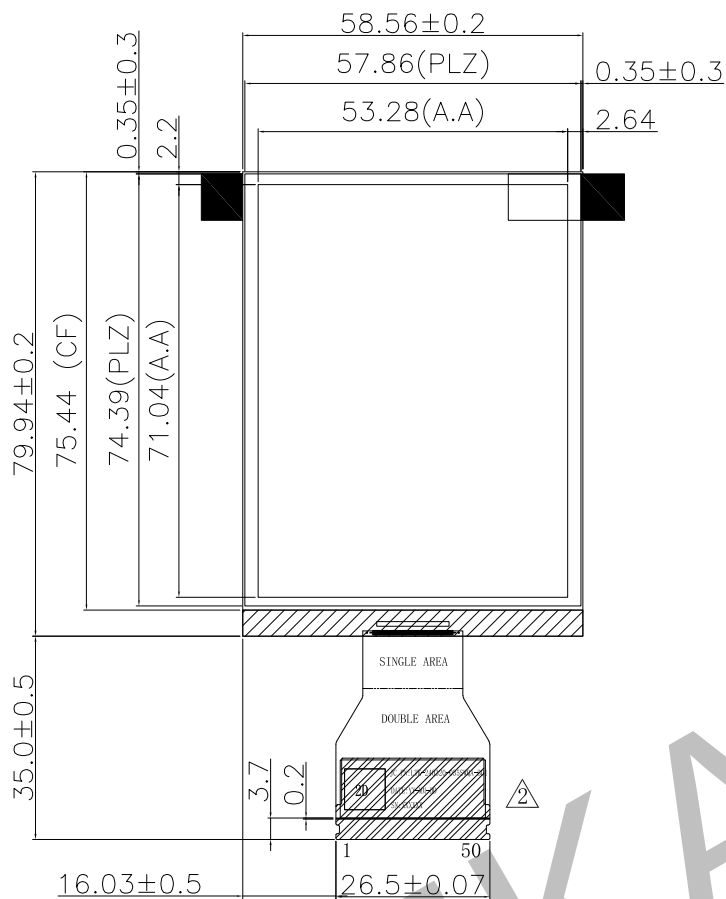




CN: IMSA-9637S-50Y801

PIN NO	NAME	PIN NO	NAME
1	GND	26	C33P
2	NC	27	NC
3	NC	28	C12P
4	NC	29	C12N
5	VGL	30	C11P
6	NC	31	C11N
7	C22N	32	AVDD
8	C21N	33	NC
9	C21P	34	VCCIO
10	C22P	35	VDD(5V)
11	VGH	36	RST
12	C41P	37	A0
13	C41N	38	CSB
14	NC	39	D7
15	NC	40	D6
16	C32N	41	D5
17	C31N	42	D4
18	C31P	43	D3
19	C32P	44	D2
20	NC	45	D1
21	NC	46	D0
22	AVCL	47	ERD
23	NC	48	RWR
24	NC	49	GND
25	C33N	50	GND

*Unit:mm

General specification

Item	specifications	Unit
Active screen size	3.5 inch Diagonal	-
Display resolution	240x RGB x 320	pixel
Module size (W x H x T)	58.56 ×79.94 ×1.38	mm
Active area (W x H)	53.28x71.04	mm
Pixel pitch (W×H)	0.222 x 0.222	mm
Interface	8bit-Parallel	-
Module weight	TBD±10%	g
Our components and processes are compliant to RoHS standard.		

Item	specifications
LCD type	a-Si TFT
LCD mode	Normally black
Polarizer mode	Transmissive
Pixel arrangement	RGB-stripe
Backlight type	LED
Viewing direction(Gray inversion)	ALL

Interface pin

Pin No.	Symbol	Function
1	GND	System ground.
2	NC	Not Connect.
3	NC	Not Connect.
4	NC	Not Connect.
5	VGL	Power supply pin for gate driver. Connect to a capacitor for stabilization.
6	NC	Not Connect.
7	C22N	Flying Capacitor for generating AVCL Output. Connecting pins on the negative side. If 2nd booster is not used, please open them.
8	C21N	
9	C21P	
10	C22P	
11	VGH	Power supply pin for gate driver. Connect to a capacitor for stabilization.
12	C41P	Flying Capacitor for generating VGH Output.
13	C41N	Flying Capacitor for generating VGH Output.
14	NC	Not Connect.
15	NC	Not Connect.
16	C32N	Flying Capacitor for generating VGL Output Connecting pins on the negative side.
17	C31N	
18	C31P	
19	C32P	
20	NC	Not Connect.
21	NC	Not Connect.
22	AVCL	Power supply pin for generating GVCL. Connect to a capacitor for stabilization.
23	NC	Not Connect.
24	NC	Not Connect.
25	C33N	Flying Capacitor for generating VGL Output Connecting pins on the negative side.
26	C33P	
27	NC	Not Connect.
28	C12P	Flying Capacitor for generating AVDD Output. Connecting pins on the positive side. If 1st booster is not used, please open them.
29	C12N	
30	C11P	
31	C11N	
32	AVDD	Power pin for analog circuits. Connect to a capacitor for stabilization.
33	NC	Not Connect.
34	VCCIO	Digital reference power voltage output. Connect to a capacitor for stabilization.
35	VDDI(5V)	Power supply for analog and booster circuit, analog power system and IO system.
36	RST	Reset input pin. Active when it is low.