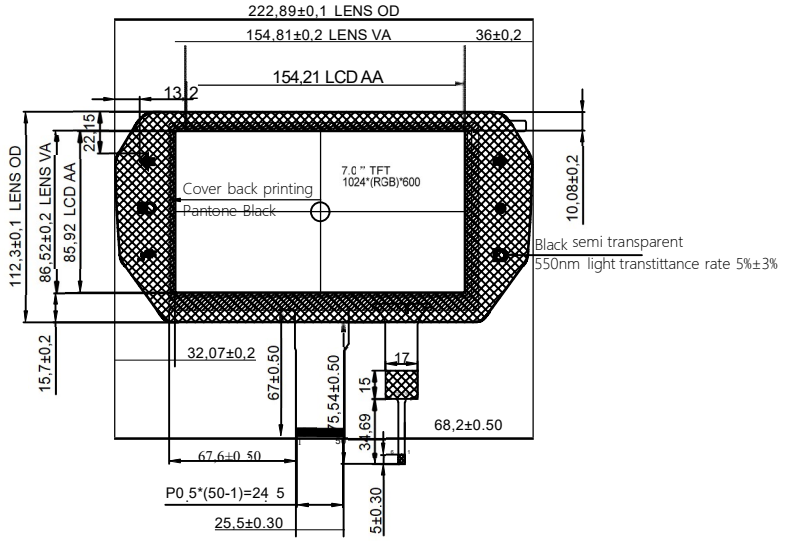
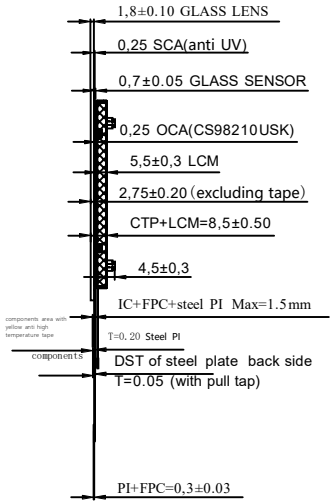
客户确认	确认人			版本	修改信息	修改人	修改日期
	确认日期			A1	更改盖板视窗和功能片位置	Hubery	2025.11.28

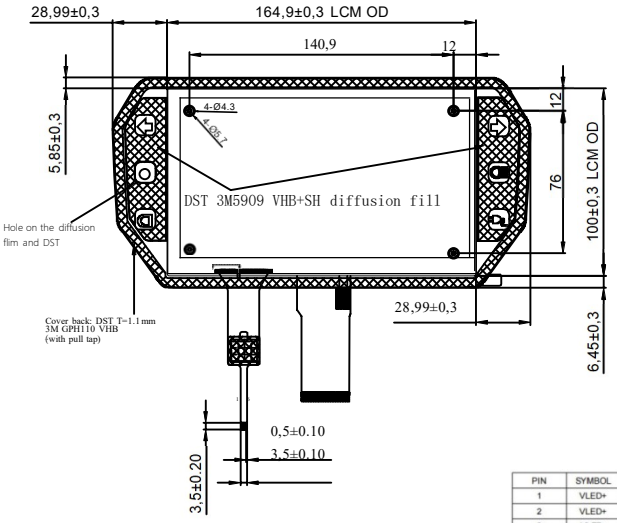
Front View

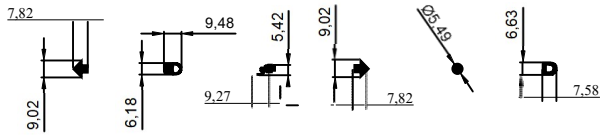


Side View



Back View





1. Glass Substrate: Rainbow high alumina silicon, CS ≥ 650 MPa, DOL ≥ 35m, 4PB ≥ 500 MPa, CT < 67, surface hardness ≥ 7H
2. Drop test: 110g steel ball, 50cm, centre point 3 times without breaking;
3. One-piece Black Ink: One-piece black hiding effect, BM and VA area E ≤ 2.0
4. Ink thickness: Double layer shall not exceed 15 um;
5. The ink thickness of the characters should not exceed 25um.
6. The required materials comply with the ROHS directive & Comply with HSF directives
7. Back Ink Area and Window Area: Dyne value ≥ 32; ink OD > 5.
8. Ink impedance>10^9 Ω/sq.
9. All Inks UV Resistant: (Energy 0.5 W/(m²·nm), waveband: 340 nm, temperature: 65°C, duration: 600 H)
10. Warpage: Controlled in one direction towards the front : 0.2mm.
11. UV Resistance,Scratch Resistance,Impact Resistane.
12. Anti-Glare (AG) effect, haze 7% ± 3%, roughness < 0.1, (If Applicable)
13. Anti-Finger (AF) effect, water drop angle ≥110° (before friction), (If Applicable)
14. Anti-Reflection(AR) effect (If applicable)
15. Optical Bonding-OCA
16. Operating Temprature: -30°C to +85°C.
17. Storage Temprature: -40°C to + 90°C.

PIN	Name
1	INT
2	SDA
3	SCL
4	RST
5	GND
6	VDD(3.3V)

PIN	SYMBOL	PIN	SYMBOL
1	VLED+	26	G1
2	VLED+	27	G0
3	VLED-	28	R7
4	VLED-	29	R6
5	GND	30	R5
6	VCOM	31	R4
7	DVDD	32	R3
8	MODE	33	R2
9	DE	34	R1
10	VSYNC	35	R0
11	HSYNC	36	GND
12	B7	37	DCLK
13	B6	38	GND
14	B5	39	SHLR
15	B4	40	UPDN
16	B3	41	VGH
17	B2	42	VGL
18	B1	43	AVDD
19	B0	44	RESET
20	G7	45	NC
21	G6	46	VCOM
22	G5	47	DITHB
23	G4	48	GND
24	G3	49	NC
25	G2	50	NC

Technical Specifications:

1. Structure Type: G+G (Glass + Glass);
2. Solution Type: COF (Chip on Film); Communication Interface: IIC - 6PIN - 0.5mm pitch;
3. Surface Hardness: ≥7H; Transmittance: ≥86%;
4. Resolution: 1024×600; Origin Coordinate Position: Top-left corner (front view);
5. IC Model: ST1633i; Touch Points: 5-point; Number of Channels: Rx12 × Tx21;
6. Operating Conditions: DC 2.8~3.3V; Communication Voltage (IOVCC): 3.3V;
7. Are there pull-up resistors for SDA and SCL on the motherboard needed?: YES;
8. Operating Environment: -30℃~85℃, ≤85%RH; Storage Environment: -40℃~90℃, ≤85%RH;
9. All materials comply with "RoHS" standards;
10. Unspecified Tolerance: ±0.20mm; Unspecified dimensions are subject to the 2D drawing.

		MAXEN ELECTRONICS LIMITED					
设计	Hubery	2025.11.26	项目名称	MX-070HR50AFH-C145 1.8mm		图纸编码	
审核			单位	mm	比例	1:1	版本 A1
批准			公差	±0.20	投影		页面 1 of 1