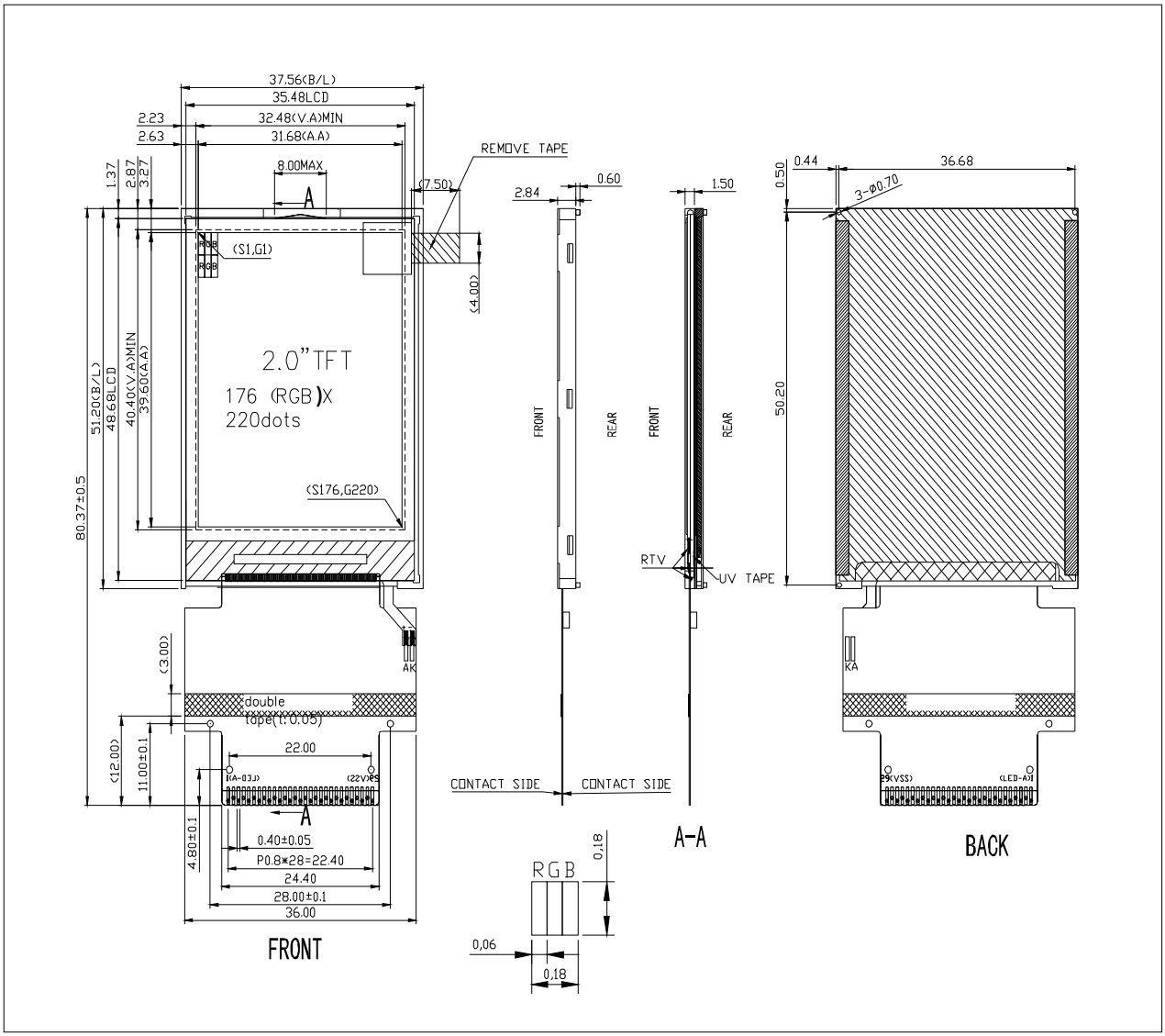
1.0 DIMENSIONAL DRAWING



Pins Description

Pin No.	Symbol	Description
1	LED-A	Anode of LED backlight
2	LED-K	Kathode of LED backlight
3	IMO	L:16-bits bus Interface H:8-bits bus Interface
4-5	NC	Dummy
6	/RES	Reset: L: Enable; H: Disable
7-22	DB15-DB0	16 Bits Data Bus
23	/RD	L:Read
24	/WR	L:Write
25	RS	L:Instruction;H:Data;
26	/CS	L:Chip Selected H:Chip Unselected
27	VCC	Power supply for logic
28	VCI	Power supply for analog
29	VSS	Ground

Reference documentation: ILI9220 DATASHEET

LCD PIN	IC PIN
G1-G220	G1-G220
S1-S528	S528-S1

Internel Connection

Pin Name	Connection
IM1, IM2, IM3	IM[3:1]=001B:8080 system

NOTE:

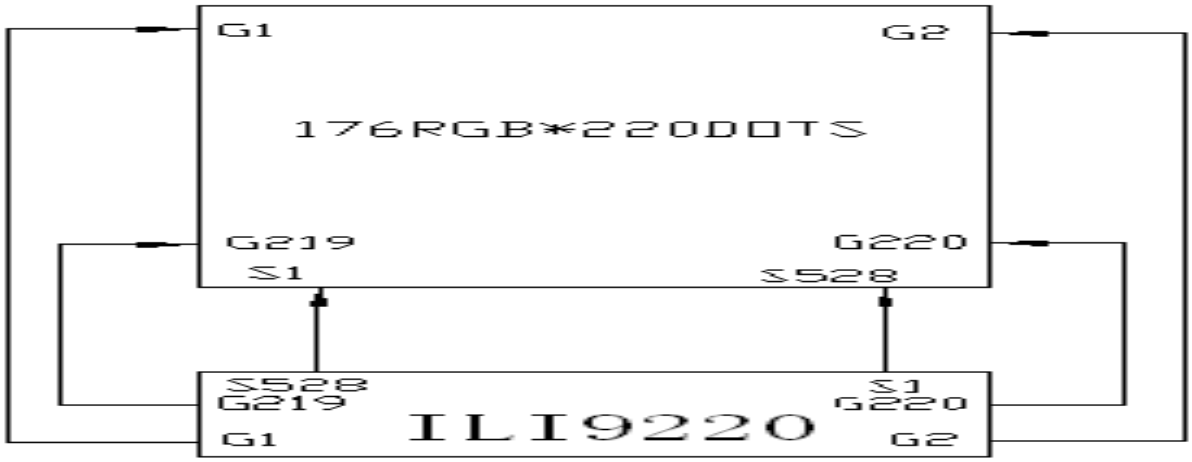
1. DISPLAY TYPE: 262K COLORS-TFT-NEGATIVE-TRANSMISSIVE
2. VIEWING DIR.: 6:00
3. DRIVE METHOD:1/220DUTY,VDD=3.0±0.2V
4. OP. TEMP.: 0°C~60°C
5. ST. TEMP.: -20°C~70°C
6. DRIVE IC: ILI9220(COG,ILITEK)
7. BACKLIGHT:LED COLOR-WHITE,If=15mA,Vf=9.3V~11.4V, LUMINANCE>2500CD/m²

	MIN	TYP	MAX
X	0.27	0.29	0.31
Y	0.27	0.29	0.31

8. ROHS
9. LCD DRAWING NO.:JY05A76（**Pd020MB6L-T11**）

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2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS

ITEM	CONTENT	UNIT
DOTS NUMBER	176(RGB)x220	Dots
MODULE DIMENSION	37.56(w)*80.37(h)*3.44(t)	mm
ACTIVE AREA	31.68(w)*39.60(h)	mm
DOT SIZE	0.18(w)*0.18(h)	mm

4.0 ELECTRO-OPTICAL CHARACTERISTICS

Item		Symbol	Conditions	Specifications Min.	Typ.	Max.	Unit	Note
Transmittance		T%	Viewing normal angle $\theta_X = \theta_Y$ =0°		6		%	All left side data are based on CMO's following condition -- Type 6 NTSC: 58% LC: 5001 Light : C light (Machine:BM5A) Normal Polarizer **Reference Only**
Contrast Ratio		CR		150	200	-	-	
Response Time		T_R		-	15	30	ms	
		T_F		-	35	50	ms	
Chromaticity	Red	X_R		0.610	0.640	0.670	-	
		Y_R		0.315	0.345	0.375	-	
	Green	X_G		0.267	0.297	0.327	-	
		Y_G		0.554	0.584	0.614	-	
	Blue	X_B		0.101	0.131	0.161	-	
		Y_B		0.112	0.142	0.172	-	
	White	X_W		0.283	0.313	0.343	-	
		Y_W		0.325	0.355	0.385	-	
Viewing Angle	Hor.	θ_{X+}	Center CR≥10	-	45	-	deg.	
		θ_{X-}		-	45	-		
	Ver.	θ_{Y+}		-	35	-		
		θ_{Y-}		-	15	-		

5.0 ELECTRONIC CHARACTERISTICS

ITEM	SYMBOL	STANDARD VALUE MIN	STANDARD VALUE MAX	UNIT
Logic supply voltage	V_{CC}	-0.3	+4.6	V
Power supply for analog	V_{CI}	-0.3	+4.6	
Operating Temperature	Top	0	+60	℃
Storage Temperature	Tst	-20	+70	℃

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6.0 PINS DESCRIPTION

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26	/CS	L:Chip Selected H:Chip Unselected
27	VCC	Power supply for logic
28	VCI	Power supply for analog
29	VSS	Ground

Remark
1. LCD option: STN, FSTN .
2.Customized module.
3. Backlight option: EL backlight feature, other specs not available on catalog is under request.

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