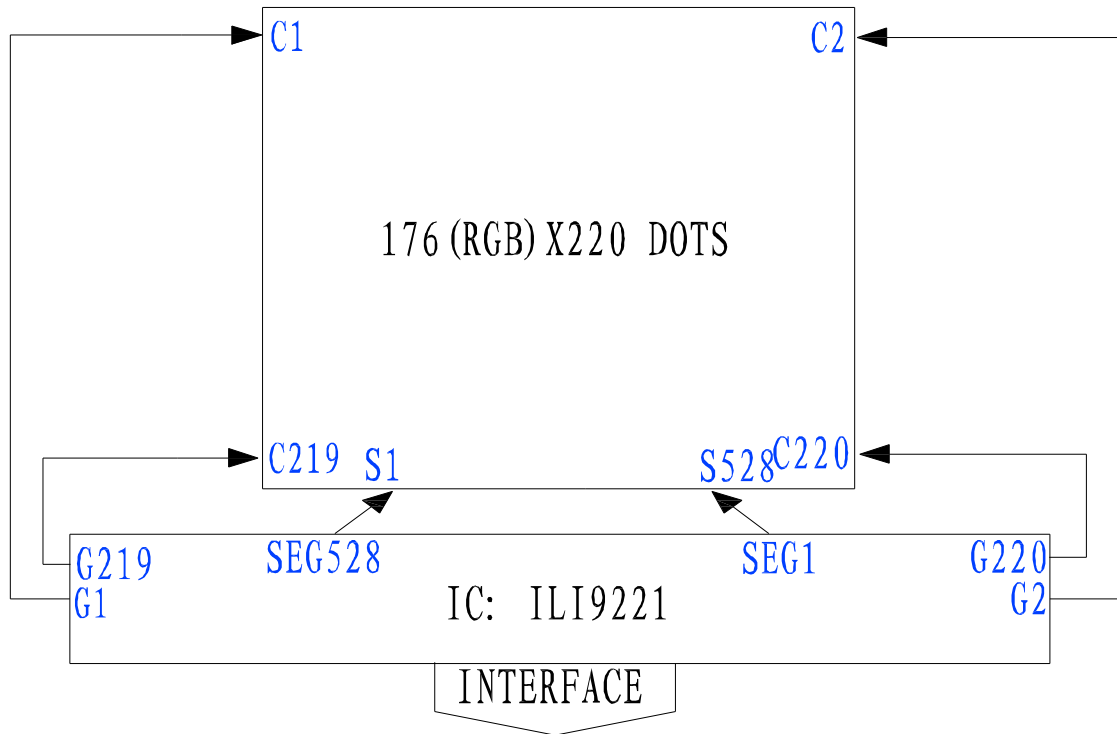


[illegible]

1. DISPLAY TYPE: 262K COLORS-TFT-NEGATIVE-TRANSMISSIVE
2. VIEWING DIR.: 12:00
3. DRIVE METHOD:1/220DUTY,VDD=3.0±0.2V
4. OP. TEMP.: -20°C~70°C
5. ST. TEMP.: -30°C~80°C
6. DRIVE IC: ILI9221(COG)
7. BACKLIGHT:LED COLOR-WHITE, If=45mA, Vf=3.2±0.2V
X=0.28~0.32, Y=0.29~0.325, LUMINANCE:3000CD/m²
8. ROHS
9. LCD DRAWING NO.: JY06B60

2.0 BLOCK DIAGRAM



3.0 MECHANICAL SPECIFICATIONS

ITEM	CONTENT	UNIT
DOTS NUMBER	176(RGB)x220	Dots
MODULE DIMENSION	38.4(w)*69.99(h)*3.26(t)	mm
ACTIVE AREA	31.68(w)*39.60(h)	mm
PIXEL DIMENSION	0.18(RGB)(w)*0.18(h)	mm

4.0 ELECTRO-OPTICAL CHARACTERISTICS

(Note1・Note2)

(Using CPT LC+ Normal Polarizer+Corresponding Backlight, reference only)

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	REMARK
Transmittance	T%			6.6		%	
Contrast Ratio	CR			300	-		Note 3
Response Time	Tr	$\theta = \psi = 0^\circ$	-	12	-	ms	Note 4
	Tf		-	18	-	ms	
View angle	Upper	θ	-	40	-	°	Note 5
	Lower		-	20	-	°	
	Left		-	45	-	°	
	Right		-	45	-	°	
Color Filter Chromaticity	R	x	0.635	0.655	0.675		Note 6
		y	0.309	0.329	0.349		
		Y	16.0	19.0	22.0		
	G	x	0.292	0.312	0.332		
		y	0.555	0.575	0.595		
		Y	56.0	60.0	64.0		
	B	x	0.114	0.134	0.154		
		y	0.115	0.135	0.155		
		Y	12.5	15.5	18.5		
	W	x	0.290	0.310	0.330		
		y	0.321	0.341	0.361		
		Y	27.5	31.5	35.5		
	NTSC	(%)		61		%	

5.0 ELECTRONIC CHARACTERISTICS

ITEM	SYMBOL	STANDARD VALUE		UNIT
		MIN	MAX	
Logic supply voltage	IOVCC,V _{CC}	-0.3	+4.6	V
	VCI-AGND	-0.3	+4.6	V
	DDVDH-AGND	-0.3	+6.0	V
	AGND-VCL	-0.3	+4.6	V
	DDVDH-VCL	-0.3	+9.0	V
	VGH-AGND	-0.3	+18.5	V
	AGND-VGL	-0.3	+18.5	V
Input voltage	V _I	-0.3	VCC+0.3	V
Operating Temperature	Top	-20	+70	°C
Storage Temperature	Tst	-30	+80	°C

6.0 PINS DESCRIPTION

Pins Description

Pin No.	Symbol	Description
1	DUMMY	NC
2	GND	Ground
3	VCC	Power supply for logic
4	/CS	L:Chip Selected H:Chip Unselected
5	RS	L:Instruction;H:Data;
6	/WR	L:Write
7	/RD	L:Read
8	IM0	H:8-bits bus Interface
9-12	NC	NC
13	LED-K	Kathode of LED backlight
14-16	LEDA1-3	Anode of LED backlight
17	NC	NC
18	IM3	L:8-bits bus Interface
19-27	DB9-17	8 Bits Data Bus, DB9 set to low
28	RESET	Reset: L: Enable; H: Disable
29	VCI	Power supply for analog
30	VCC	Power supply for logic
31	GND	Ground
32	DUMMY	NC

Reference documentation: ILI9221 DATASHEET

Remark

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