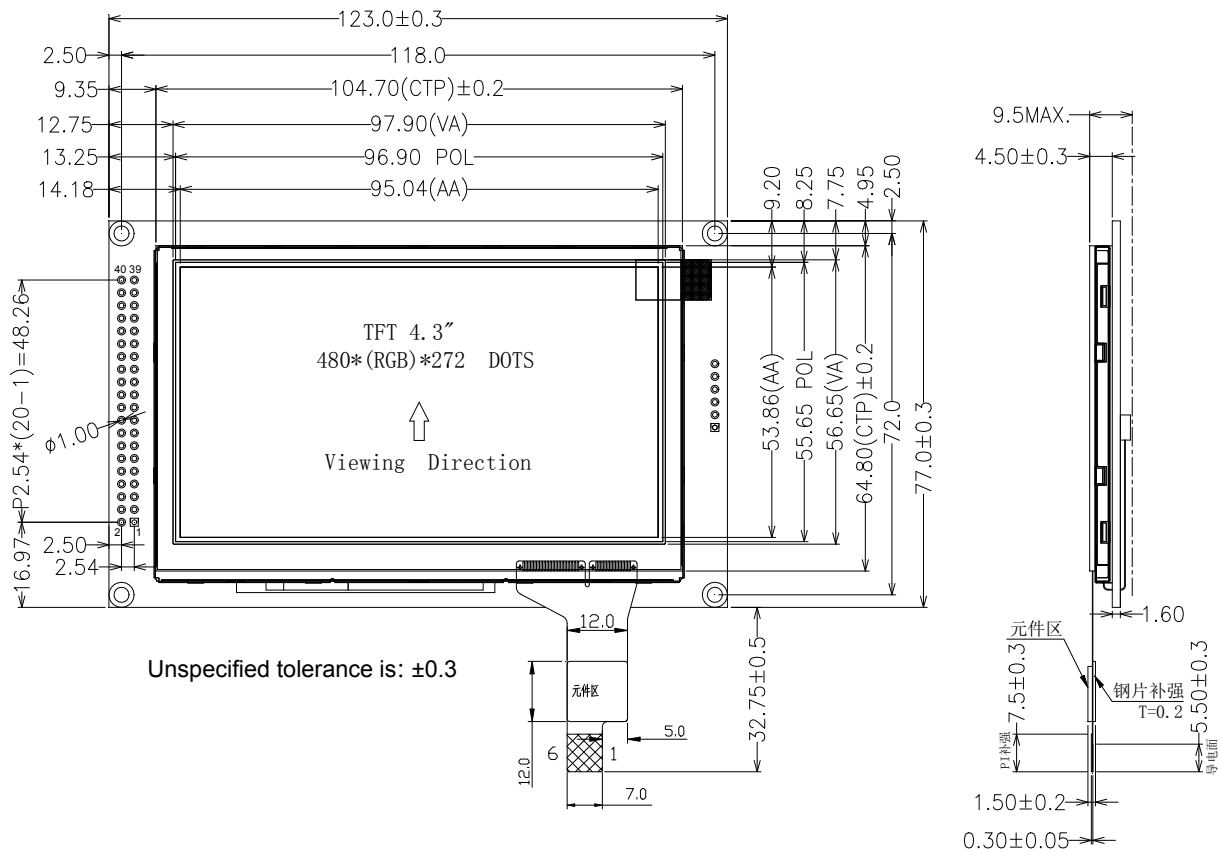


HGF04335 with CTP



Pin Connections

Pin	Symbol	I/O	Function	Note
1	V _{SS}	0V	Power ground	5.0V power supply
2	V _{DD}	5.0V	Power supply for logic	
3	/REST	H/L	Reset signal ,active "L"	3.3V I/O control
4	/CS	H/L	Chip select signal,active "L"	
5	/RD	H/L	Read signal	
6	/WR	H/L	Write signal	
7	RS	H/L	Data/Command select	
8~23	DB0-DB15	H/L	Data bus	
24	/WAIT	H/L	Wait signal	
25	/INT	H/L	Interrupt signal	
26	BL_ON	-	No connection / LED backlight ON/OFF control terminal	
27~32	NC	-	No connection	
33	V _{SS}	0V	Power ground	External Flash control terminals (3.3V I/O control)
34	/SFCS	H/L	Chip select pin for external serial Flash/ROM	
35	SFCL	H/L	External Flash/ROM serial clock input	
36	SFDO	H/L	External Flash/ROM serial data output	
37	SFDI	H/L	External Flash/ROM serial data input	
38	V _{SS}	0V	Power ground	
39~40	NC	-	No connection	

Touch panel interface:

Pin	Symbol	I/O	Function	Note
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1	INT	H/L	Interrupt signal	CTP control terminal : 3.3V Power supply and 3.3V I/O control
2	V _{CC}	+3.3V	Power supply	
3	V _{SS}	0V	Power ground	
4	/RST	H/L	Reset signal	
5	I ² C_SCL	H/L	I2C clock terminal	
6	I ² C_SDA	H/L	I2C data terminal	

Basic Specifications

Item	Specifications
Size	4.3 inch
Resolution	480×3(RGB)×272
Color depth	65K
Viewing direction	6 o'clock
Operation temperature	-20 °C ~70 °C
Storage temperature	-30 °C ~ 80 °C
Driver IC	RA8871
Interface type	8 /16 bits 8080 parallel MPU interface
Touch panel	With CTP , CTP controlled by GT911

DC Electrical Characteristics&Backlight Driving Conditions

Item	Symbol	Min.	Typ.	Max.	Unit
Power supply	V _{DD}	4.5	5.0	5.5	V
Supply current	I _{DD}	-	-	-	mA
Input signal voltage	V _{IH}	0.7 V _{DD}	-	V _{DD}	V
	V _{IL}	0	-	0.3 V _{DD}	V
Output signal voltage	V _{OH}	0.8 V _{DD}	-	V _{DD}	V
	V _{OL}	0	-	0.2 V _{DD}	V
Power supply for LED backlight	V _F	12	13.2	14	V
Current for LED backlight	I _F	-	40	50	mA
Operating life time for LED backlight	Ta=25℃ and I _F =40mA	-	20000	-	Hrs

Optical Specifications

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
View angles	VERT	θT	CR ≥ 10 (Note5)	50	60	-	Degree
		θB		60	70	-	
	HOR	θL		60	70	-	
		θR		60	70	-	
Contrast ratio		CR	θ=0°	400	500	-	-
Chromaticity	White	X	Backlight is on	0.25	0.30	0.35	
		Y		0.25	0.30	0.35	
Luminance		L	-	-	-	-	cd/m²

Note: 1. Built-in RA8871 controller 2. Chinese fonts chip(GB2312) optional 3. 5.0V power supply

4. LED Backlight controlled by PWM 5. T:Top 12 o'clock; B:Bottom 6 o'clock; L:Left 9 o'clock; R:Right 3 o'clock