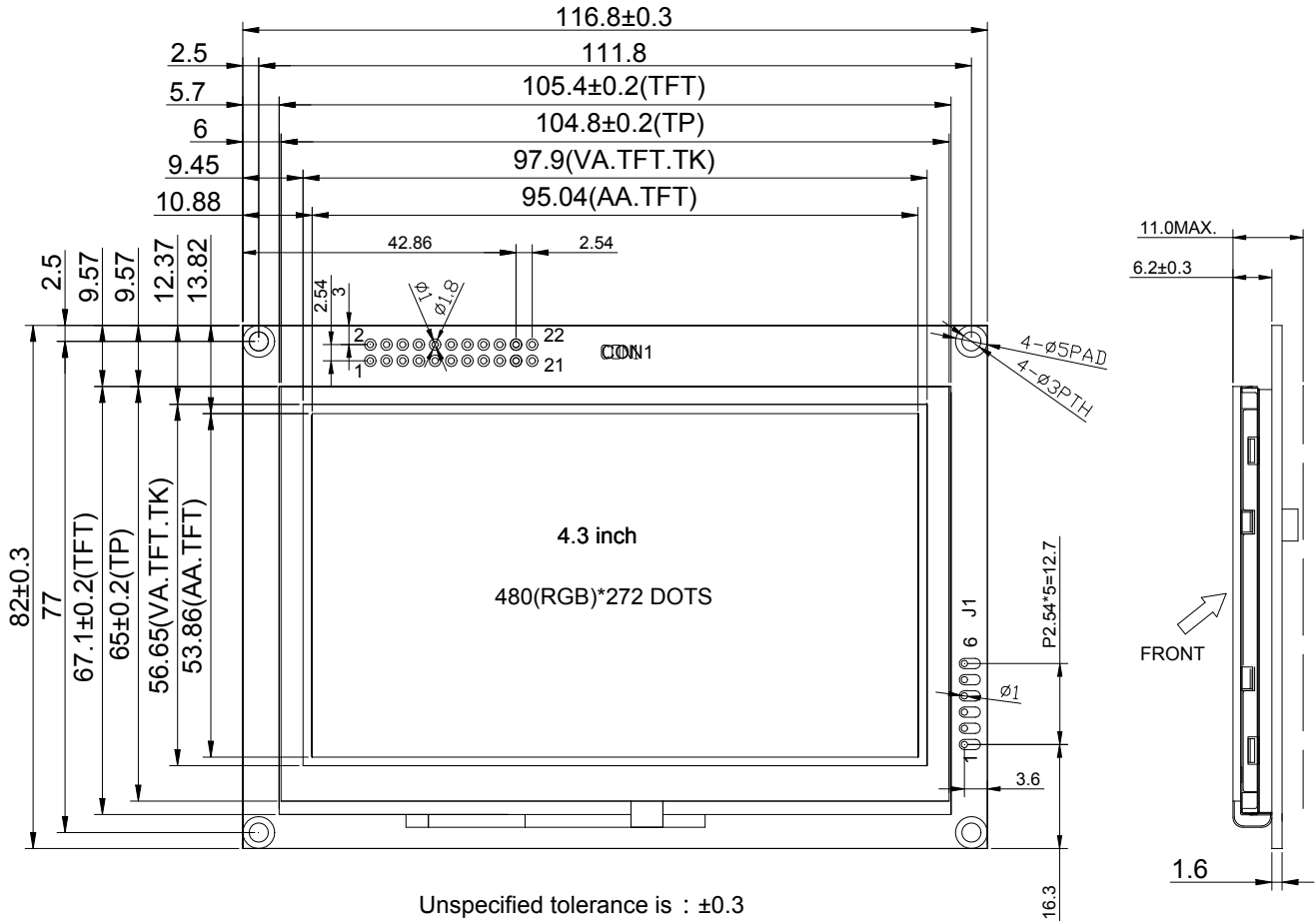


HGF04333 with RTP



Pin Connections

CON1:

Pin	Symbol	I/O	Function	Note
1	V _{DD}	P	Power supply for logic	5.0V or 3.3V power supply
2	V _{SS}	P	Power ground	
3	NC	-	No connection	
4	RS	H/L	Data/Command select	
5	/WR	H/L	Write signal	
6	/RD	H/L	Read signal	
7~14	DB0-DB7	H/L	Data bus	
15	/CS	H/L	Chip select signal,active "L"	
16	/REST	H/L	Reset signal ,active "L"	
17	/WAIT	H/L	Wait signal	
18	/INT	H/L	Interrupt signal	
External Flash control interface				
19	/SFCS	H/L	Chip select pin for external serial Flash/ROM	3.3V I/O control
20	SFDO	H/L	External Flash/ROM serial data output	
21	SFDI	H/L	External Flash/ROM serial data input	
22	SFCLK	H/L	External Flash/ROM serial clock input	

J1: External Flash control interface

Pin	Symbol	I/O	Function	Note
1	/SFCS	H/L	Chip select pin for external serial Flash/ROM	3.3V I/O control
2	SFDO	H/L	External Flash/ROM serial data output	
3	SFDI	H/L	External Flash/ROM serial data input	
4	SFCLK	H/L	External Flash/ROM serial clock input	
5	V _{DD}	3.3V	Power supply for logic	3.3V power supply
6	V _{SS}	0V	Power ground	

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	RA8875
Interface type	8 bits 80-serials parallel MPU interface
Touch panel	With RTP

DC Electrical Characteristics&Backlight Driving Conditions

Item	Symbol	Min.	Typ.	Max.	Unit
Power supply	V _{DD} (3.3V)	3.0	3.3	3.6	V
	V _{DD} (5.0V)	4.5	5.0	5.5	
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°C and I _F =40mA	-	20000	-	Hrs

Optical Specifications

Item	Symbol	Condition	Min.	Typ.	Max.	Unit	
View angles	VERT	θ _T	CR ≥ 10 (Note7)	60	70	-	Degree
		θ _B		40	50	-	
	HOR	θ _L		60	70	-	
		θ _R		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	Ta=25°C and I _F =40mA	-	160	-	cd/m ²	

Note: 1. Built-in RA8875 controller 2. Chinese fonts chip(GB2312) optional 3. 5.0V/3.3V power supply optional
4. Touch panel controlled by RA8875 5. LED Backlight controlled by PWM 6. External serial Flash/ROM can control by CON1 or J1. 7. T:Top 12 o'clock; B:Bottom 6 o'clock; L:Left 9 o'clock; R:Right 3 o'clock