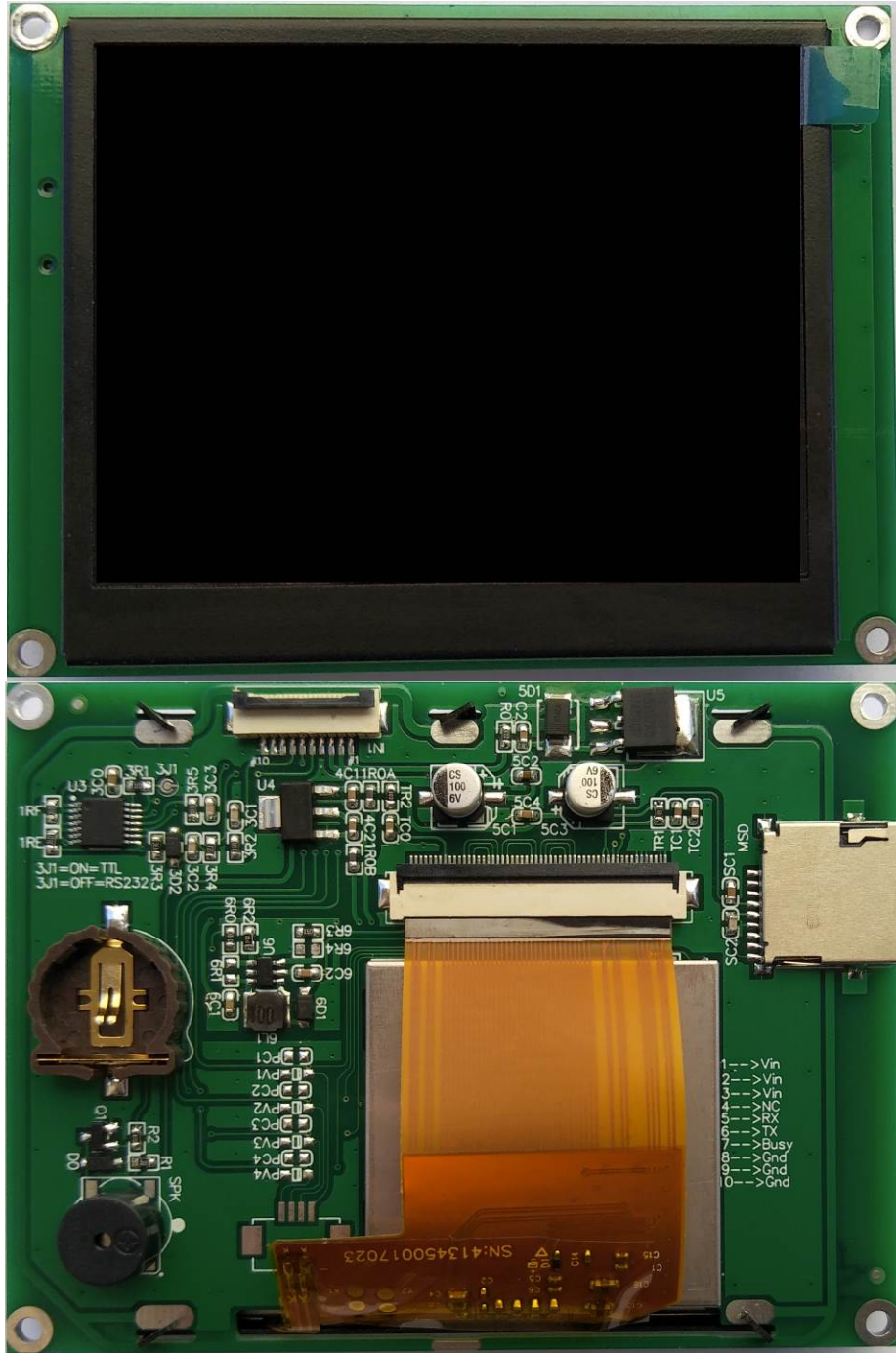


Specification For Configuration Smart LCM

P320240C035_GASTR00

3.5 inch, 320*240 Pixels, 65K color



DATE	DESCRIPTION
2018-2-14	First release

➤ **DISPLAY CHARACTERISTICS**

Item	Contents	Note
Color	65K (65536) color	16bit Palette 5R6G5B
Active area (L*W)	70.08 mm(L)×52.56 mm(W)	
viewing area (L*W)	72.2 mm(L)×54.6 mm(W)	
Resolution(H*V)	320×240 Pixels	
Back light type	LED	-
B/L brightness	200nit	64 levels of brightness adjustment

➤ **ELECTRICAL CHARACTERISTICS**

Item	Test Conditions	Min.	Typ.	Max.	Unit
Power supply voltage	-	4.8	5	5.5	V
Power supply current	VCC = + 5V , Maximum backlight brightness	-	360	-	mA
	VCC = + 5V , Backlight off	-	220	-	mA

Recommend DC power supply : least 5V 1A DC Power

➤ **RELIABILITY CHARACTERISTICS**

Item	Test Conditions	Min.	Typ.	Max.	Unit
Operation temperature	5V@60%RH	-10	25	60	°C
Storage temperature	-	-20	25	70	°C
Humidity	25°C	10%	60%	90%	RH
Three-proof	-	-	NO	-	-
Aging time	-	-	NO	-	H

➤ **INTERFACE CHARACTERISTICS**

Item	Test Conditions	Min.	Typ.	Max.	Unit
UART baud rate	Standard	1200	115200	921600	bps
	Custom	1200	-	1000000	bps
UART output level (TXD、 BUSY)	Output 1 , Iout = 1mA	3.0	3.2	-	V
	Output 0 , Iout = -1mA	-	0.1	0.2	V
UART input level (RXD、 I/O)	Input 1 , Iin = 1mA	2.0	3.3	15.0	V
	Input 0 , Iin = -1mA	-0.7	0.0	1.3	V
UART mode	8N1 UART, CMOS/3.3V TTL				
User Interface Type	10Pin_1.0mm FFC				
USB interface	No				
SD card interface	Yes, FAT32 file format, Download/Update GUI Project via SD Card				

➤ **MEMORY CHARACTERISTICS**

Memory type	Item	Min.	Typ.	Max.	Unit
FLASH Memory	Total capacity		-	128	MB
	Font storage space	-	-	32	MB
	Full screen picture storage quantity	-	-	370	Picture

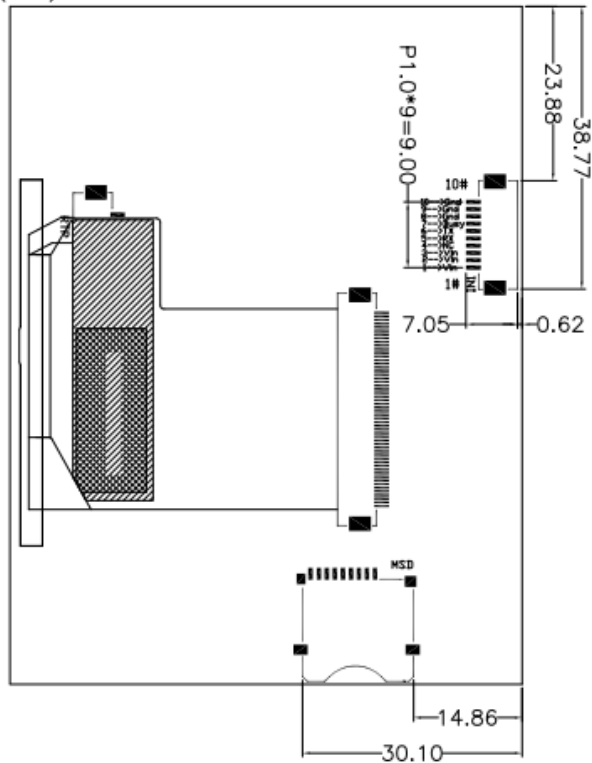
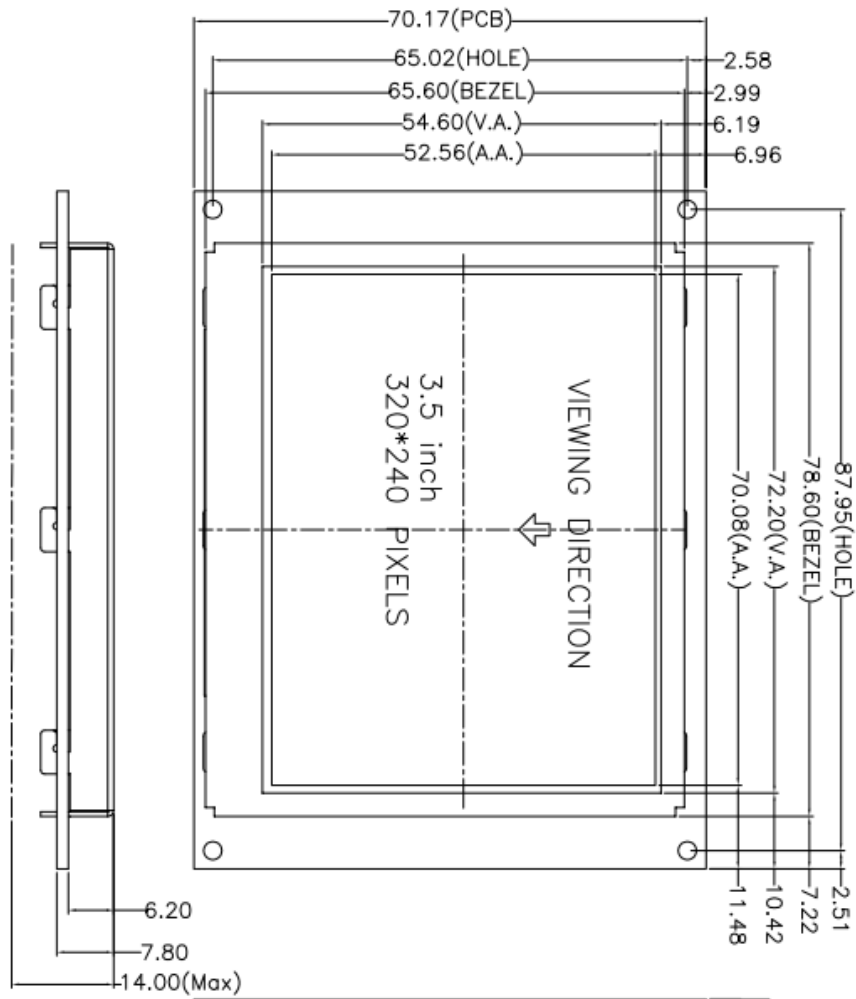
➤ **PERIPHERAL SUPPORT**

Peripheral	
Peripheral support	4-wire RTP, RTC, buzzer

➤ **INSTALLATION CHARACTERISTICS**

Item	
Module size (L*W*H)	92.96(L)×70.17 (W)×14.0(TH)mm
Net weight	100g

EXTERNAL DIMENSIONS (Unit mm, Un-tolerated ±0.3mm)



IN1:

PIN No.	SYMBOL	Description
1~3	Vin	Power supply input
4	NC	Undefined
5	Rx	RS232 data input
6	Tx	RS232 data output
7	Busy	Busy flag output
8~10	Gnd	Ground