

● Display

Item	Parameter	Description
Color	65K (65536) colors	16 bit color 5R6G5B
Resolution	320*240	90° rotated display (240*320)
Backlight /Lifecycle/Brightness	LED/20,000 HOURS/ 250 cd/m ²	
Working Temperature	-20~+70°C/-30~+80°C	64 levels adjustment

● Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	-	-	5	-	V
Operation Current	VIN = 5V, Backlight on	-	180	-	mA
	VIN = 5V, Backlight off	-	100	-	mA
	Recommend Power Input: 5V1A DC				

● Reliability Test

Item	Conditions	Min	Typ.	Max	Unit
Working Temperature	60%RH at 5V voltage	-20	25	70	°C
Storage Temperature	-	-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH
Protective Paint	-	-	None	-	-
Aging Test	-	-	8	-	H

● Interface

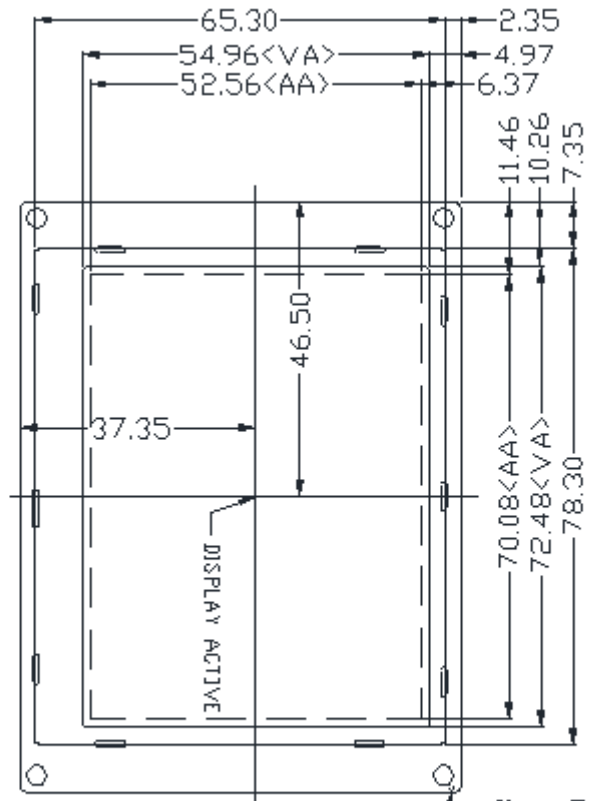
Item	Conditions	Min	Typ.	Max	Unit
Baud Rate	Standard	1200	115200	921600	bps
	User define	1200	-	921600	bps
Output Voltage (TXD, BUSY)	Output 1, Iout = 1mA	3.0	3.2	-	V
	Output 0, Iout = -1mA	-	0.1	0.2	V
Input Voltage (RXD, I/O)	Input 1, Iin = 1mA	2.0	3.3	15.0	V
	Input 0, Iin = -1mA	-15.0	0.0	0.3	V
Interface	Mode is determined by Jumper6: ON = 8N1, 3.3V TTL/CMOS; OFF = 8N1, RS232				
Socket	10Pin_1.0mm FFC				
USB	None				
SD slot	Yes (SD/SDHC, FAT32 file format)				

● Memory

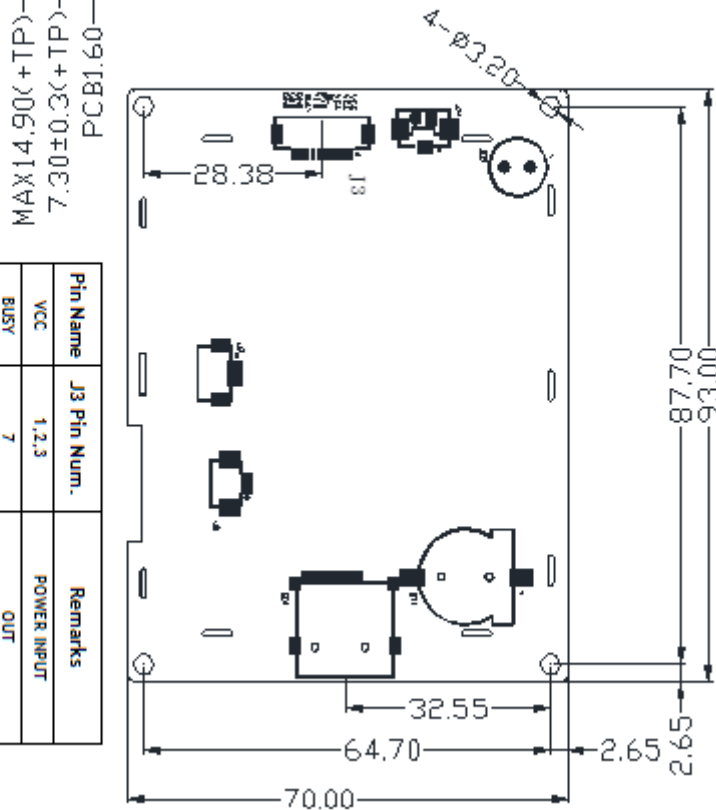
Item	Parameter	Min	Typ.	Max	Unit
Flash	Space of Font	-	32	-	MB
	Picture Storage (128MB)	-	-	373	Pcs
	Picture Storage (256MB)	-	-	868	
	Picture Storage (1GB)	-	-	2800	Pcs
	User's Storage	0	-	32	MB

● Peripherals

No.	Parameter	Description
1	Touch Screen	4-wire resistance touch screen: P32240J35C_T01
2	Buzzer	YES
3	RTC	YES
4	Audio Play	YES
5	SD Card	YES



Technical Requirement:
 1. Unit: mm.
 2. Unmarked Tolerance: ±0.3



Pin Name	J3 Pin Num.	Remarks
VCC	1,2,3	POWER INPUT
BUSY	7	OUT
TXD	6	DOUT
RXD	5	DIN
GND	8,9,10	GNC
NC	4	Not Defined