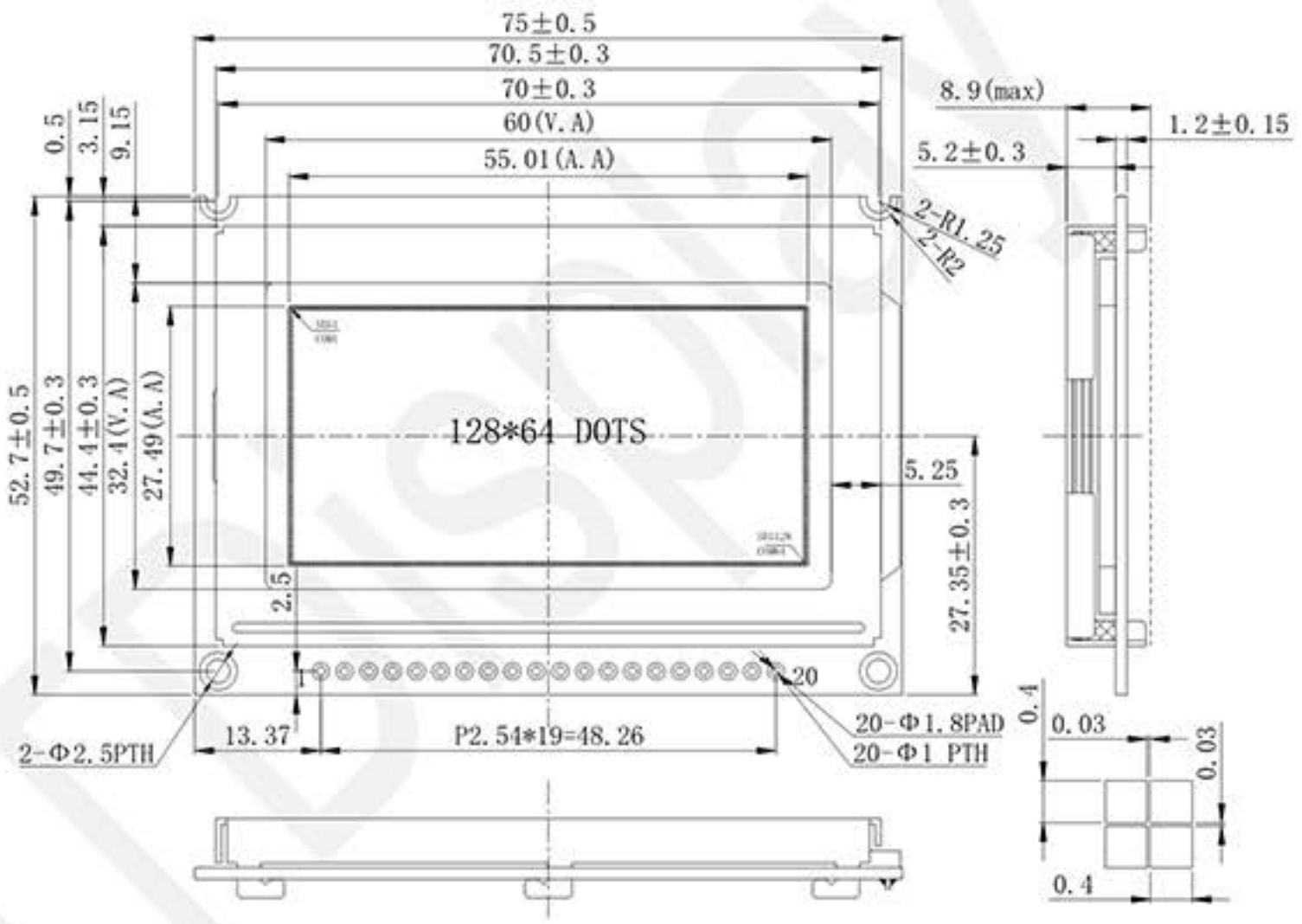
HG1286471C-VD



GENERAL INFORMATION

Item	Contents	Unit
Dot Number	128×64	---
Outline Dimension(W×H×T)	75.0×52.7×8.9	mm
Viewing Area(W×H)	60.0×32.4	mm
Active Area(W×H)	55.01×27.49	mm
Dot Pitch(W×H)	0.43×0.43	mm
Dot Size(W×H)	0.40×0.40	mm
LCD Type	STN,Negative,Transmissive,Blue	---
Viewing Direction	6:00	O'CLOCK
VDD	5	V
Duty	1/64	---
Bias	1/9	---
Operating Temperature range	-20-70	℃
Storage Temperature range	-30-80	℃
Driver IC	AIP31107,AIP31108	---
Interface	MCU 8Bit	---

INTERFACE DESCRIPTION

No.	SYMBOL	Description
1	VDD	Power supply for interface logic circuits
2	VSS	System ground
3	V0	Power supply for LCD
4-11	DB0-DB7	D0-D7 are used as MCU parallel interface data bus.
12	CS1	Master chip selection(Column 1-64)
13	CS2	Slave chip selection(Column 65-128)
14	/RST	This signal will reset the device and must be applied to properly initialize the chip. Signal is active low.
15	R/W	Write/Read signal L:Write H:Read
16	RS	Display data/command Selection Pin in MCU Interface.
17	E	Data input enable. Display access is enabled when E is"H".
18	VOUT	LCD Voltage double output
19	LED+	LED power anode.
20	LED-	LED power cathode.

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ.	Max	Unit
Supply Voltage(Logic)	VDD	4.8	5.0	5.2	V
Supply Voltage(LCD)	VLCD	--	9.15	--	V
Input High Voltage	V_{IH}	0.7VDD	--	VDD	V
Input Low Voltage	V_{IL}	0	--	0.3VDD	V
Output High Voltage	V_{OH}	2.4	--	--	V
Output Low Voltage	V_{OL}	--	--	0.4	V

BACKLIGHT DRIVING CONDITION

Item	Symbol	Min	Typ.	Max	Unit
Forward current	If	--	--	50	mA
Forward voltage	Vf	--	3.5	--	V
LED Color	WHITE				

BLOCK DIAGRAM