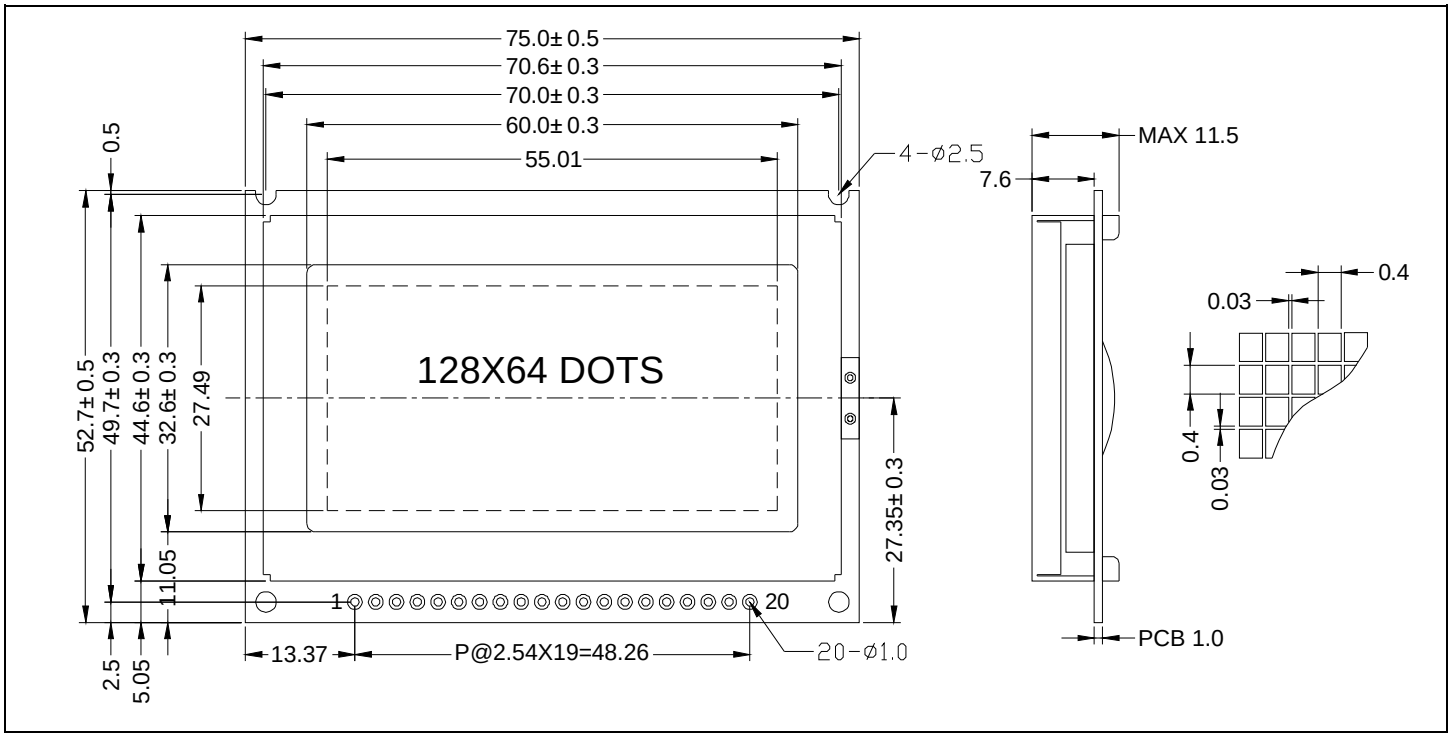
石家庄冠晶电子科技有限公司

GJ12864I

128 x 64 dots + yellow green LED backlight



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	VDD-VSS	-0.3	7.0	V
Supply Voltage(LCD)	VDD-VO	-0.3	19.0	V
Input Voltage	VI	-0.3	VDD+0.3	V
Operating Temp.	Topr	-20	70	℃
Storage Temp.	Tstg	-30	80	℃

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W x H x T)	75.0 x 52.7 x 11.5	mm
Viewing Area(W x H)	60.0 x 32.6	mm
Dot Pitch(W x H)	0.43 x 0.43	mm
Dot Size(W x H)	0.40 x 0.40	mm
Weight	Approx. 50	g

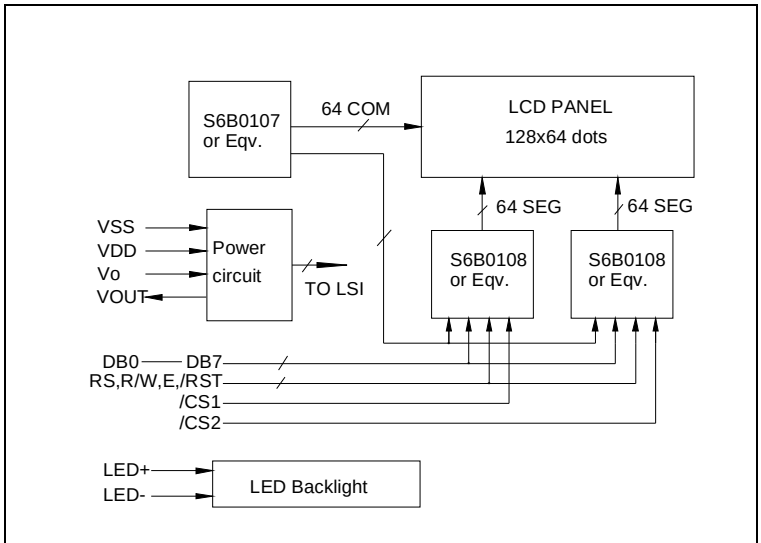
ELECTRICAL CHARACTERITICS (VDD=5V±5%)

Item	Symbol	TEST Condition	Min.	Typ.	Max.	Unit
Input High Voltage	VIH	--	2.0	--	VDD	V
Input Low Voltage	VIL	--	-0.3	--	0.8	V
Output High Voltage	VOH	IOH=-0.2mA	2.4	--	VDD	V
Output Low Voltage	VOL	IOL=1.6mA	0	--	0.4	V
Supply Current	IDD	VDD=5.0v	--	6	8	mA
LCD Driving Voltage	VDD-VO	Ta=25℃	--	11.2	--	V

PIN CONNECTIONS

PIN	Symbol	Level	Function
1	VDD	+5V	Power supply for logic
2	VSS	0V	GND
3	VO	--	Contrast adjusting
4	DB0	H/L	Data bus line
5	DB1	H/L	
6	DB2	H/L	
7	DB3	H/L	
8	DB4	H/L	
9	DB5	H/L	
10	DB6	H/L	
11	DB7	H/L	
12	/CS1	H	Chip selection for IC1, active "L"
13	/CS2	H	Chip selection for IC2, active "L"
14	/RST	L	Reset signal, active "L"
15	R/W	H/L	H:Read L:Write
16	RS	H/L	H:Data L:Instruction code
17	E	H,H→L	Enable signal
18	VOUT	-10V	Output voltage for LCD driving
19	LED+	+5V	Power supply for LED backlight
20	LED-	0V	

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS(Ta=25℃)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	Vf	4.1	4.3	V
Forward Current	If	180	--	mA
LED Color	Yellow green			

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