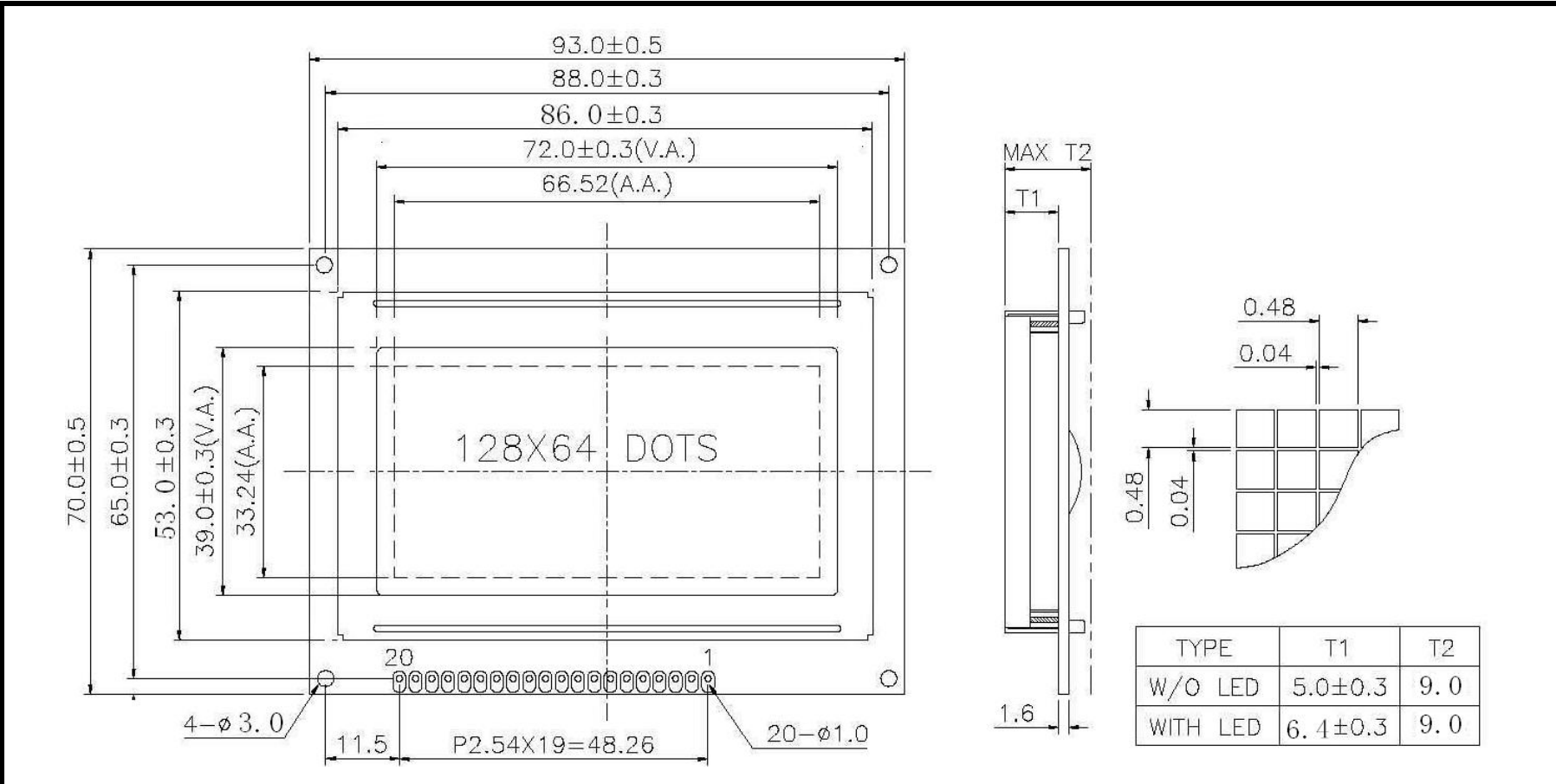


GDM1286B-YG 128*64DOTS+YELLOW GREEN LED BACKLIGHT BUILT IN CHINESE FONT



ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V _{DD} -V _{SS}	-0.3	5.25	V
Supply Voltage(LCD)	V _{DD} -V _O	-0.3	7	V
Input Voltage	V _I	-0.3	V _{DD} + 0.3	V
Operating Temp.	T _{opr}	-20	70	°C
Storage Temp.	T _{stg}	-30	80	°C

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	93.0 x 70.0 x 9.0	mm
Viewing Area (W x H)	72.0 x 39.0	mm
Dot Pitch (W x H)	0.52 x 0.52	mm
Dot Size (W x H)	0.48 x 0.48	mm
Weight (Reflective/LED)	Approx. 55 / 75	g

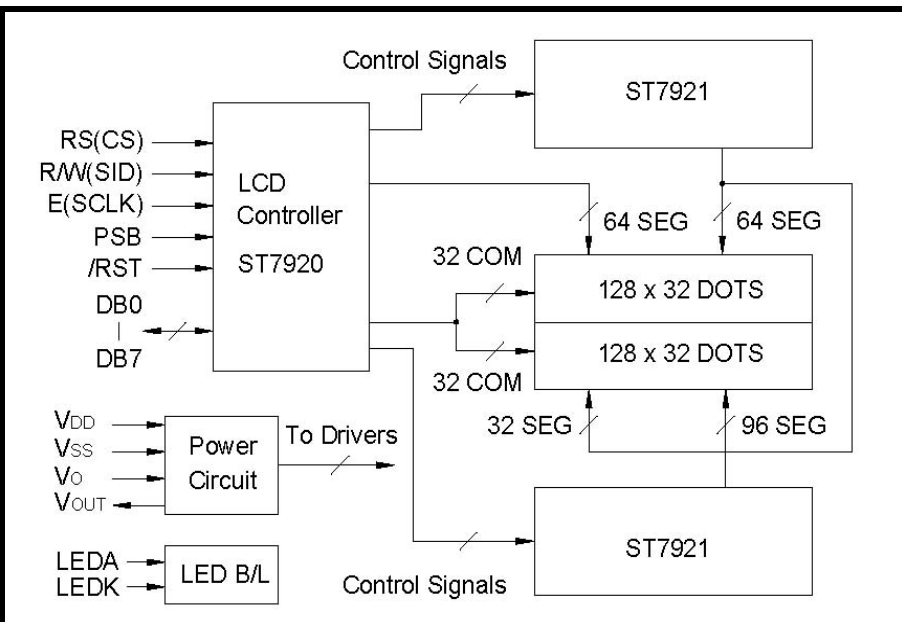
ELECTRICAL CHARACTERISTICS ($V = 5V \pm 0.25V$)

Item	Symbol	Condition Test	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}		0.7V DD		V_{DD}	V
Input Low Voltage	V_{IL}		-0.3		0.6	V
Output High Voltage	V_{OH}	IOH = -0.1mA	0.8V		V_{DD}	V
Output Low Voltage	V_{OL}	IoL= 1.6mA	0		0.4	V
Supply Current	I_{DD}	$V_{DD}= 5.0V$		3	5	mA
LCD Driving Voltage	VDD-VO	Ta=25°C		6.2		V

INTERFACE DEFINITION

Pin	Symbol	Level	Function
1	V _{SS}	0V	GND
2	V _{DD}	+5V	Power supply for logic
3	V _o		Operating voltage for LCD
4	RS	H/L	H : Data L : Instruction code
5	R/W	H/L	H : Read L : Write
6	E	H,H >L	Enable signal
7	DB0	H/L	Data bus
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	PSB	H/L	H: Parallel mode L: Serial mode
16	NC		No Connection
17	/RST	L	Reset signal. Active "L".
18	V _{OUT}		No Connection
19	LEDA	+5V	Power supply for LED backlight
20	LEDK	0V	

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (Ta=25°C)

Item	Symbol	Typ.	Max.
Forward Voltage	V_f	4.1	4.3
Forward Current	I_f	300	