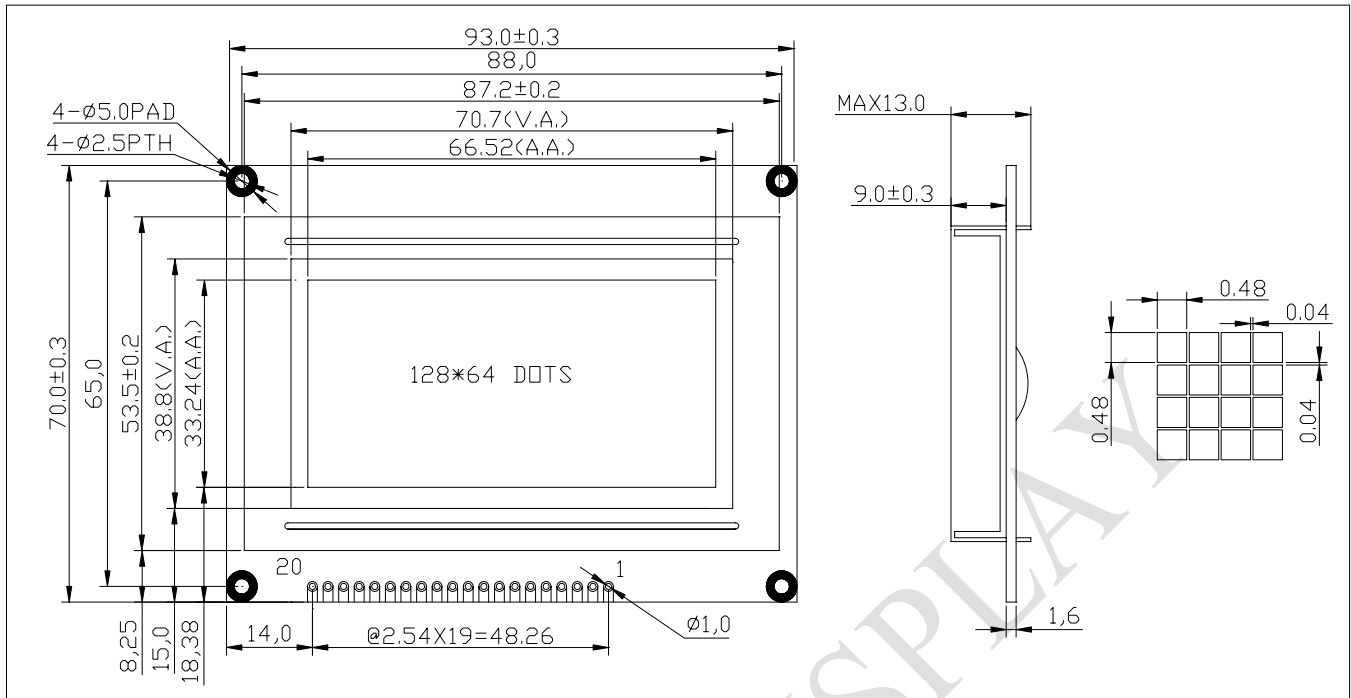




PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{SS}	0V	GND
2	V _{DD}	+5V	Power supply for logic
3	/RES	L	Reset signal ,active “L”
4	P/S	H/L	H: Parallel mode L: serial mode
5	/CS1	L	Chip selection
6	CS2	H	
7	C86	H/L	H: 6800 interface mode L: 8080 interface mode
8	A0	H/L	H: data; L: Instruction
9	R/W(WR)	H/L	68:H: read; L: write 80: write
10	E(RD)	H/L	68:Chip enable signal 80: read
11 18	DB0 DB7	H/L	Data bus line Serial mode: D7—SI D6—SCL.
19	LEDA	+5V	Power supply for LED backlight
20	LEDK	0V	

NOTES:

1. 5V/3.3V power supply optional
2. Built-in controller
3. Low power supply

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	93.0X70.0X13.0	mm
Viewing Area (W x H)	70.7.X38.8	mm
Dot Pitch (W x H)	0.52X0.52	mm
Dot Size (W x H)	0.48X0.48	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	7.0	V
Supply Voltage (LCD)	V ₀ -V _{SS}	-0.3	15.0	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temp.	T _{OPR}	-20	70	
Storage Temp.	T _{STG}	-30	80	

ELECTRICAL CHARACTERISTICS (V_{DD}=3.0V, Ta=25)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.7V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	V _{SS}	-	0.3V _{DD}	V
Output High Voltage	V _{OH}	0.7V _{DD}	-	V _{DD}	V
Output Low Voltage	V _{OL}	V _{SS}	-	0.3V _{DD}	V
Supply Current	I _{DD}	-	1.2	-	mA
LCD Driving Voltage	V ₀ -V _{SS}	4.5	-	11.5	V

LED BACKLIGHT SPECIFICATIONS (Ta=25)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	360mA
White	3.1V	40mA