



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{SS}	0V	GND
2	V _{DD}	+5V	Power supply for logic
3	NC	-	NC
4	RS	H/L	“H” Data “L” Instruction code
5	R/W	H/L	“H”Read, “L”Write
6	E	H/L	Enable signal
7	DB0	H/L	Data bus line
14	DB7		
15	PSB	H	interface select: 1: 6800 parallel 0: Serial
16	NC	-	NC
17	/REST	L	Reset signal,active”L”
18	NC	-	NC
19	LEDA	+5V	Power supply for LED Backlight
20	LEDK	0V	

NOTES:

1. Built-in ST7920 (with Chinese char ROM) controller
2. +5V/+3.3V power supply optional
3. Yellow green/blue mode optional
4. 6800 Parallel mode/serial mode optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	78.0X70.0X12.5	mm
Viewing Area (W x H)	62.0 X44.0	mm
Dot Pitch (W x H)	0.478X0.60	mm
Dot Size (W x H)	0.378X0.54	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 _{DD} -V _O	-0.3	7.0	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

ELECTRICAL CHARACTERISTICS (V_{DD}=5V, Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.7V _{DD}	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.6	V
Output High Voltage	V _{OH}	0.8V _{DD}	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.4	V
Supply Current	I _{DD}	-	2.5	-	mA
LCD Driving Voltage	V _{DD} -V _O	-	6.5	-	V

LED BACKLIGHT SPECIFICATION (Ta=25°C)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	440mA
WHITE	3.1V	60mA