



**PIN CONNECTIONS (SPI)**

Pin	Symbol	Level	Function
1	VSS	0V	Ground
2	VDD	+5V	Power supply for Logic
3	NC	-	No connection
4	SDI	H/L	Serial data input
5	SCLK	H/L	Serial clock input
6	BUSY	H/L	Busy signal
7	/REST	H/L	Reset signal ,active “L”
8	/CS	H/L	Chip select ,active “L”

**NOTES:**

- Default interface setting for this module:  
SPI(Optional serial interface: SPI, UART, and RS232)
- Optional 5.0V/3.3V power

**MECHANICAL DATA**

Item	Nominal Dimensions	Unit
Module Size ( W x H x T )	163.5×54.0×9.5MAX.	mm
Viewing Area (W x H )	137.6X35.7	mm
Character Size(W x H )	0.53X0.53	mm
Dot Size (W x H )	0.5X0.5	mm

**ABSOLUTE MAXIMUM RATINGS**

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub> -V <sub>SS</sub>	0	5.5	V
Operating Temp.	T <sub>OPR.</sub>	-30	+70	°C
Storage Temp.	T <sub>STG.</sub>	-40	+80	°C

**ELECTRICAL CHARACTERISTICS ( V<sub>DD</sub>=5.0V, Ta=25°C )**

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V <sub>IH</sub>	0.8 V <sub>DD</sub>	-	-	V
Input Low Voltage	V <sub>IL</sub>	-	-	0.2V <sub>DD</sub>	V
Output High Voltage	V <sub>OH</sub>	0.9 V <sub>DD</sub>	-	-	V
Output Low Voltage	V <sub>OL</sub>	-	-	0.1V <sub>DD</sub>	V
Supply Current	I <sub>DD</sub>	-	260	-	mA