



### PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V <sub>DD</sub>	+5.0V	Power Supply for logic
2	V <sub>SS</sub>	0V	GND
3	NC	-	No connection
4	CS	H	Chip select, active "L"
5	SID	H/L	Serial data input
6	SCLK	H/L	Serial clock input
7~14	NC	-	No connection

### NOTES:

- Built-in controller(7920)
- Serial(SPI) interface
- STN,COG
- Display color :Blue

### MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	85.0×30.0×13.2MAX	mm
Viewing Area (W x H)	66.0×16.0	mm
Dot Pitch (W x H)	0.42×0.42	mm
Dot Size (W x H)	0.38×0.38	mm

### ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V <sub>DD</sub> -V <sub>SS</sub>	0	5.5	V
Supply Voltage(LCD)	V <sub>LCD</sub>	0	7.0	V
Operating Temp	T <sub>OPR.</sub>	-20	70	°C
Storage Temp	T <sub>STG.</sub>	-30	80	°C

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

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V <sub>IH</sub>	0.7V <sub>DD</sub>	--	V <sub>DD</sub>	V
Input Low Voltage	V <sub>IL</sub>	-0.3	--	0.6	V
Supply Current	I <sub>DD</sub>	-	1.4	-	mA
LCD Driving Voltage	V <sub>DD</sub> -V <sub>0</sub>	-	4.7	-	V

### LED BACKLIGHT SPECIFICATION (Ta=25°C)

Item	Forward Voltage	Forward Current
White	3.0V	I <sub>f</sub> = 30