



## PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	+5V	Power supply for logic
3	V0	-	Operating voltage for LCD
4	A0	H/L	“L” Data, “H” Instruction code
5	/WR	L	Write signal
6	/RD	L	Read signal
7   14	DB0   DB7	H/L	Data bus line
15	/CS	L	Chip enable signal
16	/REST	L	Reset signal ,active “L”
17	LEDK	0V	Power supply for LED backlight
18	LEDA	+4.1V	

### NOTES:

1. Built-in RA8835 controller

## MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	144.0X104.0X14.0	mm
Viewing Area (W x H)	114.0X64.0	mm
Dot Pitch (W x H)	0.45X0.45	mm
Dot Size (W x H)	0.40X0.40	mm

## ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V <sub>DD</sub> -V <sub>SS</sub>	-0.3	6.5	V
Supply Voltage (LCD)	V <sub>DD</sub> -V <sub>0</sub>	-0.3	22	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, T<sub>a</sub>=25°C )

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Volt.	V <sub>IH</sub>	0.5V <sub>DD</sub>	-	V <sub>DD</sub>	V
Input Low Volta.	V <sub>IL</sub>	V <sub>SS</sub>	-	0.2V <sub>DD</sub>	V
Output High Volt.	V <sub>OH</sub>	V <sub>DD</sub> -0.4	-	V <sub>DD</sub>	V
Output Low Volt.	V <sub>OL</sub>	0	-	V <sub>SS</sub> +0.4	V
Supply Current	I <sub>DD</sub>	-	15	18	mA
LCD Driving Volt.	V <sub>DD</sub> -V <sub>0</sub>	-	17.4	-	V

## LED BACKLIGHT SPECIFICATIONS ( T<sub>a</sub>=25°C )

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	720mA