



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	+5.0V	Power supply for logic
3	V0	-	Operating voltage for LCD
4	RS	H/L	“L” Instruction code “H” Data
5	/RD	L	Read signal
6	/WR	L	Write signal
7 14	DB0 DB7	H/L	Data bus line
15	/CS1	L	Chip enable signal
16	CS2	H	
17	/REST	L	Reset signal ,active “L”
18	VOOUT	-	Negative voltage output
19	LEDA	+5.0V	Power supply for LED backlight
20	LEDK	0V	

NOTES:

1. Built-in RA8822 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)	$V_{DD}-V_{SS}$	-0.3	6.5	V
Supply Voltage (LCD)	$V_{DD}-V_0$	-0.3	22	V
Operating Temp.	T_{OPR}	-20	70	°C
Storage Temp.	T_{STG}	-30	80	°C

ELECTRICAL CHARACTERISTICS ($V_{DD}=5.0V, T_a=25^{\circ}C$)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Volt.	V_{IH}	0.8 V_{DD}	-	V_{DD}	V
Input Low Volta.	V_{IL}	V_{SS}	-	0.2 V_{DD}	V
Output High Volt.	V_{OH}	0.8 V_{DD}	-	V_{DD}	V
Output Low Volt.	V_{OL}	0	-	0.2 V_{DD}	V
Supply Current	I_{DD}	-	15	18	mA
LCD Driving Volt.	$V_{DD}-V_0$	-	17.4	-	V

LED BACKLIGHT SPECIFICATIONS ($T_a=25^{\circ}C$)

Item	Forward Voltage	Forward Current
WHITE	3.1V	150mA