



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	+5.V	Power Supply for logic
3	VO	--	Operating voltage for lcd
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
8	DB1	H/L	
9	DB2	H/L	
10	DB3	H/L	
11	DB4	H/L	
12	DB5	H/L	
13	DB6	H/L	
14	DB7	H/L	
15	LEDA	+5.V	Power Supply forLED backlight
16	LEDK	0V	

NOTES:

- Built-in controller(SPLC780D1 or Equivalent)
- LED can be driven by pin15, pin16 or A and K

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	84.0×44.0×12.5.0	mm
Viewing Area (W x H)	66×16	mm
Dot Pitch (W x H)	2.95×5.55	mm
Dot Size (W x H)	0.55×0.65	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	13.0	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 ($V_{DD}=5.0V, T_a=25^{\circ}C$)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	2.2	-	V_{DD}	V
Input Low Voltage	V_{IL}	-0.3	-	0.6	V
Output High Voltage	V_{OH}	2.4	-	V_{DD}	V
Output Low Voltage	V_{OL}	0	-	0.4	V
Supply Current	I_{DD}	-	1.5	-	mA
LCD Driving Voltage	$V_{DD}-V_O$	-	4.6	-	V

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

Item	Forward Voltage	Forward Current
YELLOW-GREEN	3.1V	30mA
WHITE	3.1V	30mA