



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	FG	-	Frame ground
2	V _{SS}	0V	GND
3	V _{DD}	+5V	Power supply for logic
4	V _O	-	No Connection
5	/WR	L	Write signal
6	/RD	L	Read signal
7	/CE	L	Chip enable signal
8	C/D	H/L	“L” Data “H” Instruction code
9	/REST	L	Reset signal,active”L”
10	DB0	H/L	Data bus line
17	DB7		
18	FS	H/L	Font selection: L:8X8,H:6X8
19	LEDA	+5V	Power supply for LED Backlight
20	LEDK	0V	

NOTES:

1. Built-in controller(T6963C or Equivalent)
2. Temperature compensation
3. Yellow-green mode/blue mode optional

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	144.0X104.0X14.0	mm
Viewing Area (W x H)	114.0 X64.0	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	7.0	V
Supply Voltage(LCD)	V _{DD} -V _O	-0.3	25	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temp	T _{OPR}	-30	70	°C
Storage Temp	T _{STG}	-30	80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	V _{DD} -2.2	-	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.8	V
Output High Voltage	V _{OH}	V _{DD} -0.3	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.3	V
Supply Current	I _{DD}	-	15	18	mA
LCD Driving Voltage	V _{DD} -V _O	-	17.4	-	V

LED BACKLIGHT SPECIFICATION (Ta=25°C)

Item	Forward Voltage	Forward Current
YELLOW-GREEN	4.1V	720mA
WHITE	3.1V	150mA