



PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VSS	0V	GND
2	VDD	+3.3V	Power Supply for logic
3	/CS	L	Chip select, active "L"
4	/REST	L	Reset signal, active "L"
5	RS	H/L	H : Data L : Command
6	R/W	H/L	H : Read L : Write
7	E	H/L	Enable signal
8	DB0	H/L	Data bus
~	~		
15	DB7		
16	P/S	H/L	H: Parallel interface L: Serial interface
17	A	+5.0V	Power Supply for LED
18	K	0V	Backlight

NOTES:

- Built-in controller(NT7534)
- Parallel(6800) / Serial(SPI) interface optional
- FSTN, COG

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	78.0X61.0X9.0	mm
Viewing Area (W x H)	61.0 X31.4	mm
Dot Pitch (W x H)	0.45X0.45	mm
Dot Size (W x H)	0.43X0.43	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	$V_{DD}-V_{SS}$	0	4.0	V
Supply Voltage(LCD)	V_{LCD}	0	15	V
Operating Temp	T_{OPR}	-20	70	°C
Storage Temp	T_{STG}	-30	80	°C

ELECTRICAL CHARACTERISTICS ($V_{DD}=3.3V, T_a=25^{\circ}C$)

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V_{IH}	0.8 VDD	--	VDD	V
Input Low Voltage	V_{IL}	VSS	--	0.2 VDD	V
Supply Current	I_{DD}	-	250	-	uA

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

Item	Forward Voltage	Forward Current
WHITE	5.0V	If= 45 mA