

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V _{DD} -V _{SS}	2.7	5.5	V
Supply Voltage(LCD)	V _O -V _{SS}	3.0	7.0	V
Input Voltage	V _I	-0.3	V _{DD} + 0.3	V
Operating Temp.	T _{opr}	-10	70	°C
Storage Temp.	T _{stg}	-30	80	°C

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size(W X H X T)	122.0 X 32.0 X 14.0	mm
Viewing Area(W X H)	92.0 X 22.0	mm
Dot Pitch(W X H)	0.54 X 0.54	mm
Dot Size(W X H)	0.49 X 0.49	mm

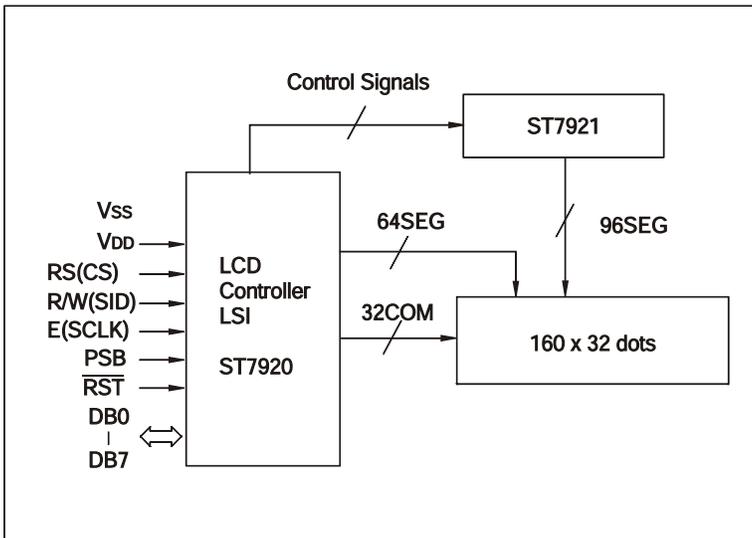
ELECTRICAL CHARACTERISTICS (V_{DD}=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	--	0.7V _{DD}	--	V _{DD}	V
Input Low Voltage	V _{IL}	--	0	--	0.3V _{DD}	V
Output High Voltage	V _{OH}	I _{OH} = -0.4mA	V _{DD} -0.4	--	--	V
Output Low Voltage	V _{OL}	I _{OL} = +0.4mA	--	--	0.4	V
Supply Current	I _{DD}	V _{DD} = 5.0V	--	3.0	5.0	mA

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{SS}	--	GND (0V)
2	V _{DD}	--	Supply Voltage for Logic(+5V)
3	NC	--	Supply Voltage for LCD (NC)
4	RS(CS)	H/L	H:Data L:Instruction Code
5	RW(STD)	H/L	H:Read L:Write
6	E(SCLK)	H/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	LED Backlight Power Supply
15	LED+	--	
16	LED-	--	

BLOCK DIAGRAM



LED BACKLIGHT SPECIFICATIONS (T_a=25 °C)

Item	Symbol	Typ.	Max.	Unit
Forward Voltage	V _f	4.1	4.3	V
Forward Current	I _f	120	240	mA
Emission Wave Length	λ _p	568	--	nm