

Reflective/EL/LED Backlight

■ ABSOLUTELY MAXIMUM RATINGS

Item	Symbol	Standard Value			Unit
		Min	Typ.	Max.	
Supply Voltage for Logic	$V_{DD}-V_{SS}$	0	--	7.0	V
Supply Voltage for LCD Drive	$V_{DD}-V_{EE}$	1.5	--	13.5	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V
Operation Temperature	T_{opr}	0	--	50	°C
Storage Temperature	T_{stg}	-20	--	70	°C

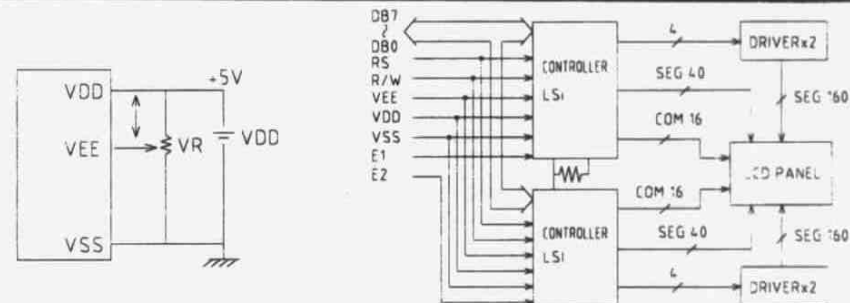
■ PIN FUNCTIONS

No.	Symbol	Function	No.	Symbol	Function
1~3	D7~D5	Data Bus Line	10	R/W	H: Read, L: Write
4	D4		11	RS	Register Select Signal
5	D3	8-bit transfer..Data Bus Line	12	V _{EE}	Power Supply for LCD Drive
6	D2		13	V _{SS}	Power Supply (0V, GND)
7	D1	4-bit transfer..No Connection	14	V _{DD}	Power Supply (+5V)
8	D0		15	E2	Enable Signal (No Pull-up resistor)
9	E1	Enable Signal	16	NC	No Connection

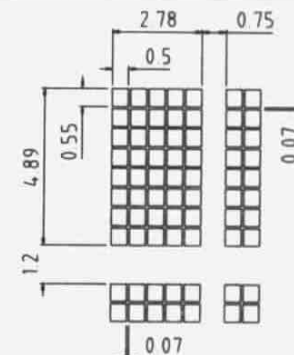
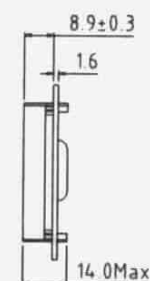
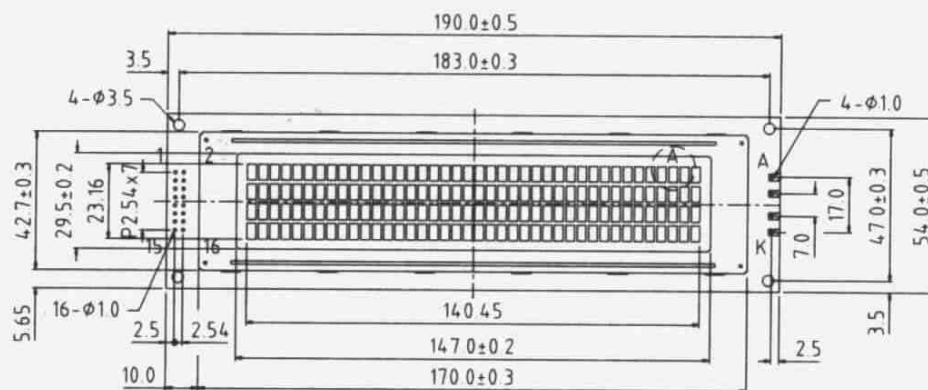
■ ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Standard Value			Unit
			Min.	Typ.	Max.	
Input "High" Voltage	V _{IH}	--	0.7xVdd	--	Vdd	V
Input "Low" Voltage	V _{IL}	--	Vss	--	0.3xVdd	V
Output "High" Voltage	V _{OH}	I _{OH} =0.2mA	2.2	--	--	V
Output "Low" Voltage	V _{OL}	I _{OL} =1.2mA	--	--	0.4	V
Supply Current	I _{DD}	V _{DD} =5.0V	--	4.0	10.0	mA

■ BLOCK DIAGRAM



■ DIMENSION OUTLINE



REF.EL.B/L

LED/B/L

A BLOCK