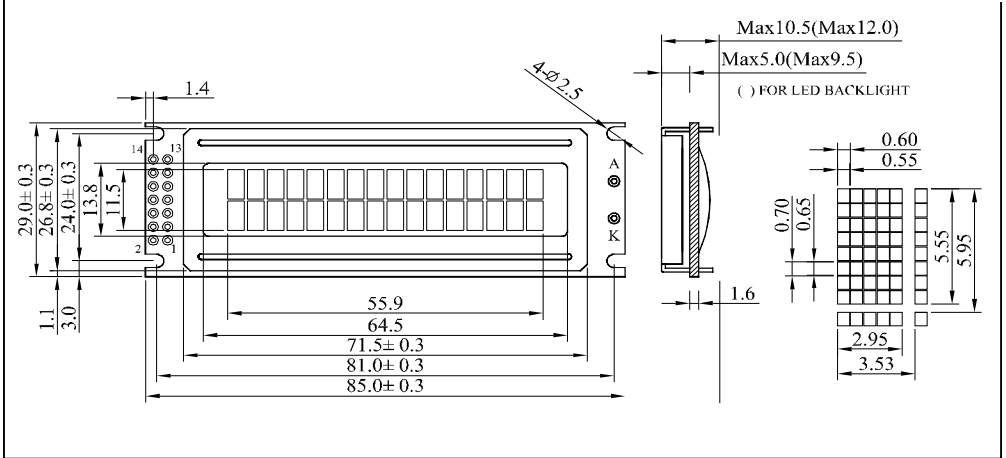


CX1602DB

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ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	Vdd - Vss	-0.3	7.0	V
Supply Voltage(LCD)	Vdd - V0	-0.3	5.0	V
Input Voltage	V _i	-0.3	Vdd + 0.3	V
Operating Temp.	T _{opr}	0	50	°C
Storage Temp.	T _{stg}	-10	60	°C

MECHANICAL DATA

Item	Max.	Unit
Module Size (W X H X T)	85.0 X 29.0 X 10.5/12.0	mm
Viewing Area(W X H)	64.5 X 13.8	mm
Character Size(W X H)	2.95 X 5.55	mm
Dot Size(W X H)	0.55 X 0.65	mm
View Angle	6 or 12 O'Clock	

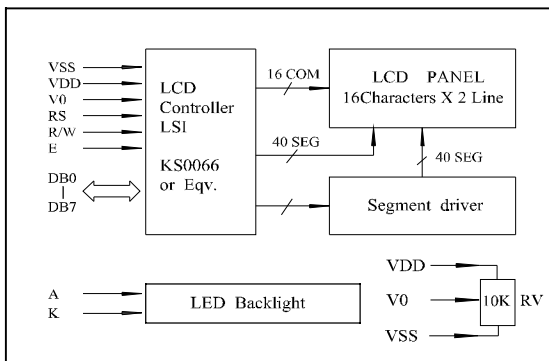
ELECTRICAL CHARACTERISTICS (Vdd=5V±0.25V)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Input High Voltage	V _{ih}	--	2.0	--	Vdd	V
Input Low Voltage	V _{il}	--	-0.3	--	0.8	V
Output High Voltage	V _{oh}	I _{oh} =-0.2mA	2.4	--	Vdd	V
Output Low Voltage	V _{ol}	I _{ol} =1.6mA	0	--	0.4	V
Supply Current	I _{dd}	Vdd=5.0V	--	1.5	3.0	mA
LCD Driving Voltage	Vdd - V0	Ta=25°C	--	4.7	--	V

PIN CONNECTIONS

Pin	Symbol	Level	Function
1	VDD	0V	Signal ground for LCM(GND)
2	VSS	5V	Power supply for logic(+5V) for LCM
3	V0	--	Operation 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	

BLOCK DIAGRAM



LCD Type

LCD Color	Backlight
Yellow Green	LED/Yellow Green/4.1V (±150mA)
Blue	LED/White /3.2V (±100mA)