DV series

DV-16230   16 characters x 2 lines

Mechanical Data

Item	Standard Value	Unit
Module Dimensions	85.0(W) X 29.5(H) X 10.0 (D)	mm
Viewing Area	62.5(W) X 17.2(H)	mm
Dot Size	0.50(W) X 0.55(H)	mm
Dot Pitch	0.57(W) X 0.62(H)	mm

Absolute Maximum Ratings

Item	Symbol	Standard Value			Unit
		Min.	Typ.	Max.	
Supply Voltage for Logic	V_{dd}-V_{ss}	-0.3	--	7.0	V
Supply Voltage for LCD Drive	V_{dd}-V_{ee}	V_{dd}-13.5	--	V_{dd}+0.3	V
Input Voltage	V_I	-0.3	--	V_{dd}+0.3	V
Operation Temperature	Topr	0	--	50	℃
Storage Temperature	Tstg	-20	--	70	℃

Item	Symbol	Condition	Standard Value			Unit
			Min.	Typ.	Max.	
Input "High" Voltage	V_{IH}		2.2	--	V_{dd}	V
Input "Low" Voltage	V_{IL}	-I_{OH}=0.205mA	0	--	0.6	V
Output "High" Voltage	V_{OH}	I_{OL}=1.2mA	0	--	0.4	V
Output "Low" Voltage	V_{OL}		--	--	0.4	V
Supply Current	I_{dd}	V_{dd} = 5V	--	1.9	5.0	mA

Pin Assignment

No.	Symbol	Function	No.	Symbol	Function
1	Vdd	+5v	9	DB2	Data Bus Line
2	V_{SS}	GND,0V	10	DB3	Data Bus Line
3	V_{EE}	For LCD Drive	11	DB4	Data Bus Line
4	RS	Function select	12	DB5	Data Bus Line
5	R/W	Read/Write	13	DB6	Data Bus Line
6	E	Enable signal	14	DB7	Data Bus Line
7	DB0	Data bus line	15	LEDA	LED Power Supply
8	DB1	Data Bus Line	16	LEDK	LED Power Supply

Block Diagram
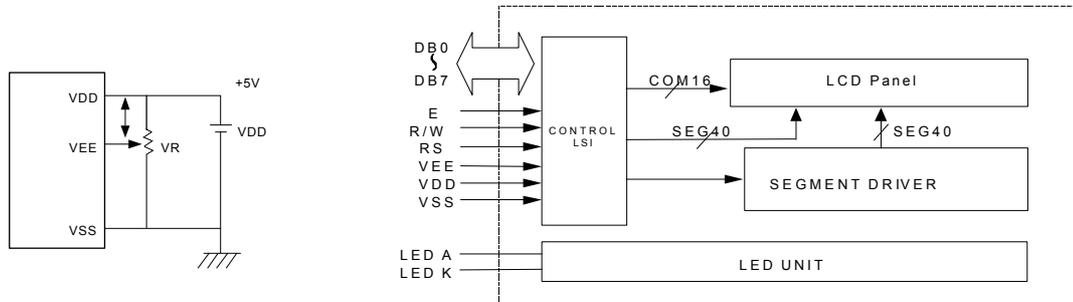
External Dimensions

REF,EL,B/L   LED/B/L   A BLOCK
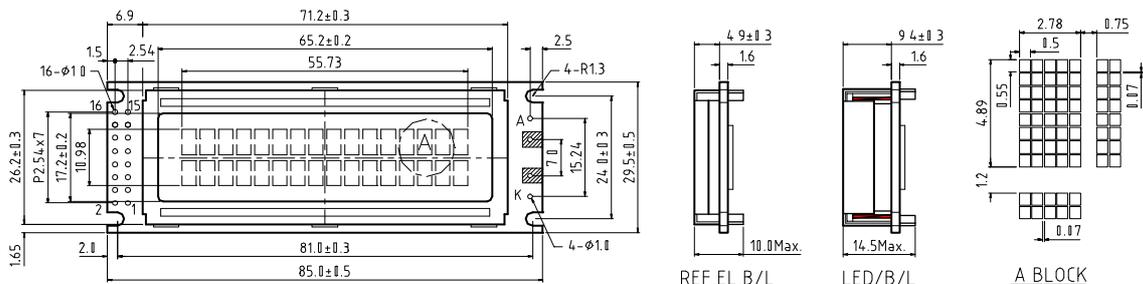
Option

LCD Type								Backlight Type				Built-in Control LSI
S1	S2	W	N	R	F	M	H	EL	LED	CCFL	Touch Panel	
•	•		•	•	•	•	•	•	•			KS-0066U or equivalent

Remarks: S1 : yellow-green STN LCD , S2 : gray STN LCD, W : black & white LCD, N : negative type LCD, R : reflective type LCD,
F : transflective type LCD, M :   transmissive type LCD, H : extended temperature type LCD (-20   ℃ ~ 70℃)

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