

Dimensional Data

Item	Measurements W x H x T	Units
Module Dim.	80 x 36 x 10.0 (Reflective)	mm
Viewing Area	64 x 17.9	mm
Character Size	2.95 x 5.55	mm
Dot Size	0.55 x 0.65	mm

Absolute Maximum Ratings

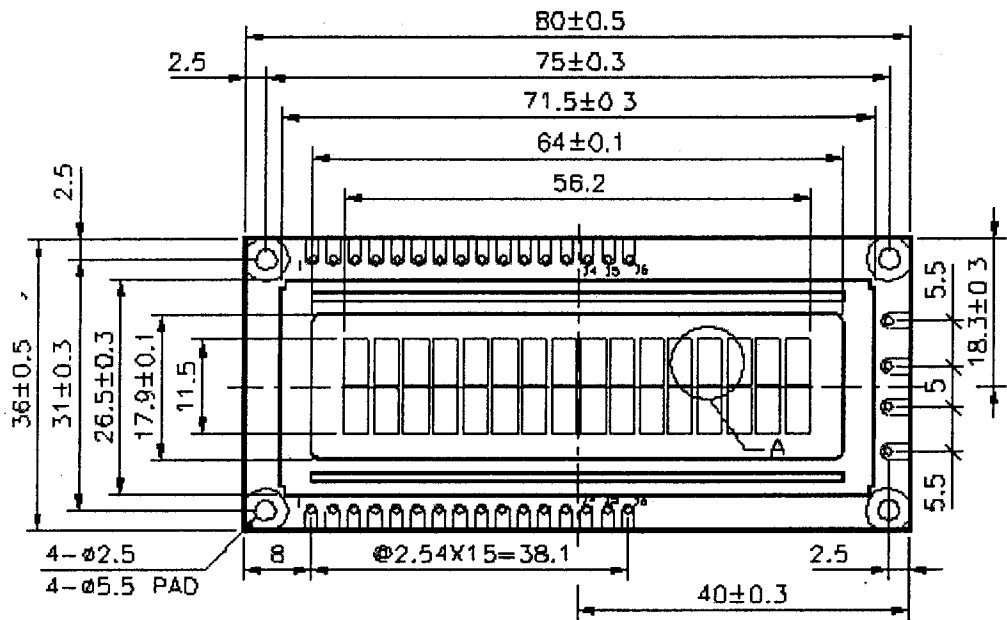
Item	Symbol	Condition	Min.	Max	Unit
Supply Voltage (Logic)	$V_{DD} - V_{SS}$	Ta = 25°C	-0.3	7	V
Supply Voltage (LCD)	$V_{DD} - V_{EE}$		$V_{DD} - 0.3$	$V_{DD} + 0.3$	V
Input Voltage	V_i		-0.3	$V_{DD} + 0.3$	V
Operating Temp.	T_{opr}		0	50	°C
Storage Temp.	T_{stg}		-20	70	°C

Electrical Characteristics

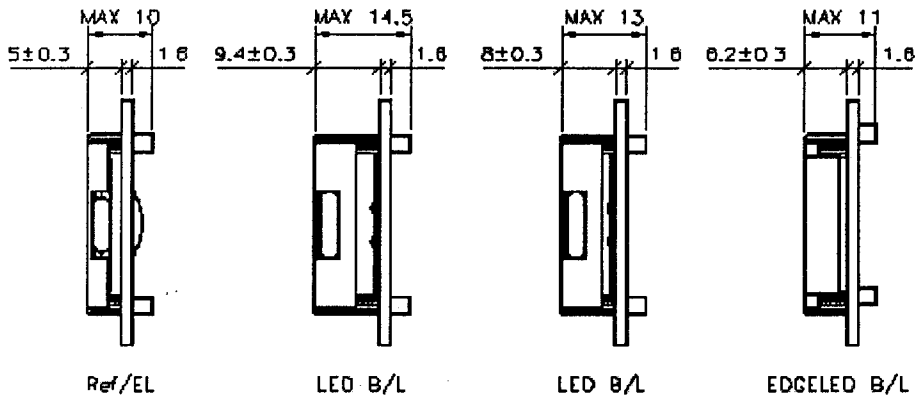
Item	Symbol	Test Condition	Min.	Typical	Max	Unit
Input "High" Voltage	V_{IH}	--	2.2	--	V_{DD}	V
Input "Low" Voltage	V_{IL}	--	0	--	0.6	V
Output "High" Voltage	V_{OH}	$-I_{OH} = 0.205mA$	2.4	--	V_{DD}	V
Output "Low" Voltage	V_{OL}	$I_{OL} = 1.2mA$	0	--	0.4	V
Supply Current	I_{CC}	$V_{DD} = 5.0V$	--	1.5	3.0	mA

Pin Assignments

Pin	Symbol	Level	Function
1	V_{SS}	--	GND (0V)
2	V_{DD}	--	+5V
3	V_{EE}	--	LCD Drive Voltage (Contrast)
4	RS	H/L	H → Data Input L → Instruction Input
5	R/W	H/L	H → Data Read L → Data Write
6	E	H, H → L	Enable Signal
7	DB0	H/L	Data Bus Input
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	
15	LED A	+5V	LED Power Supply
16	LED K	GND (0V)	



Plan View



Section View