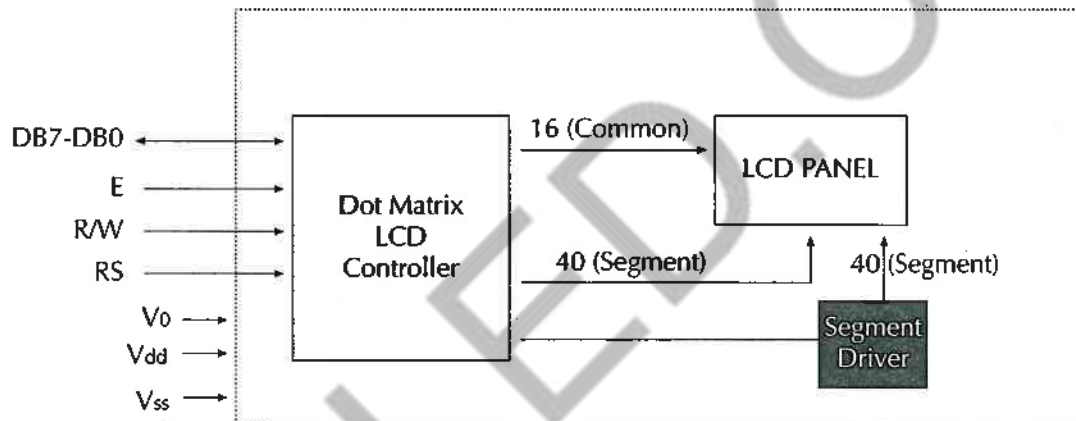


CCM-1624 SERIES

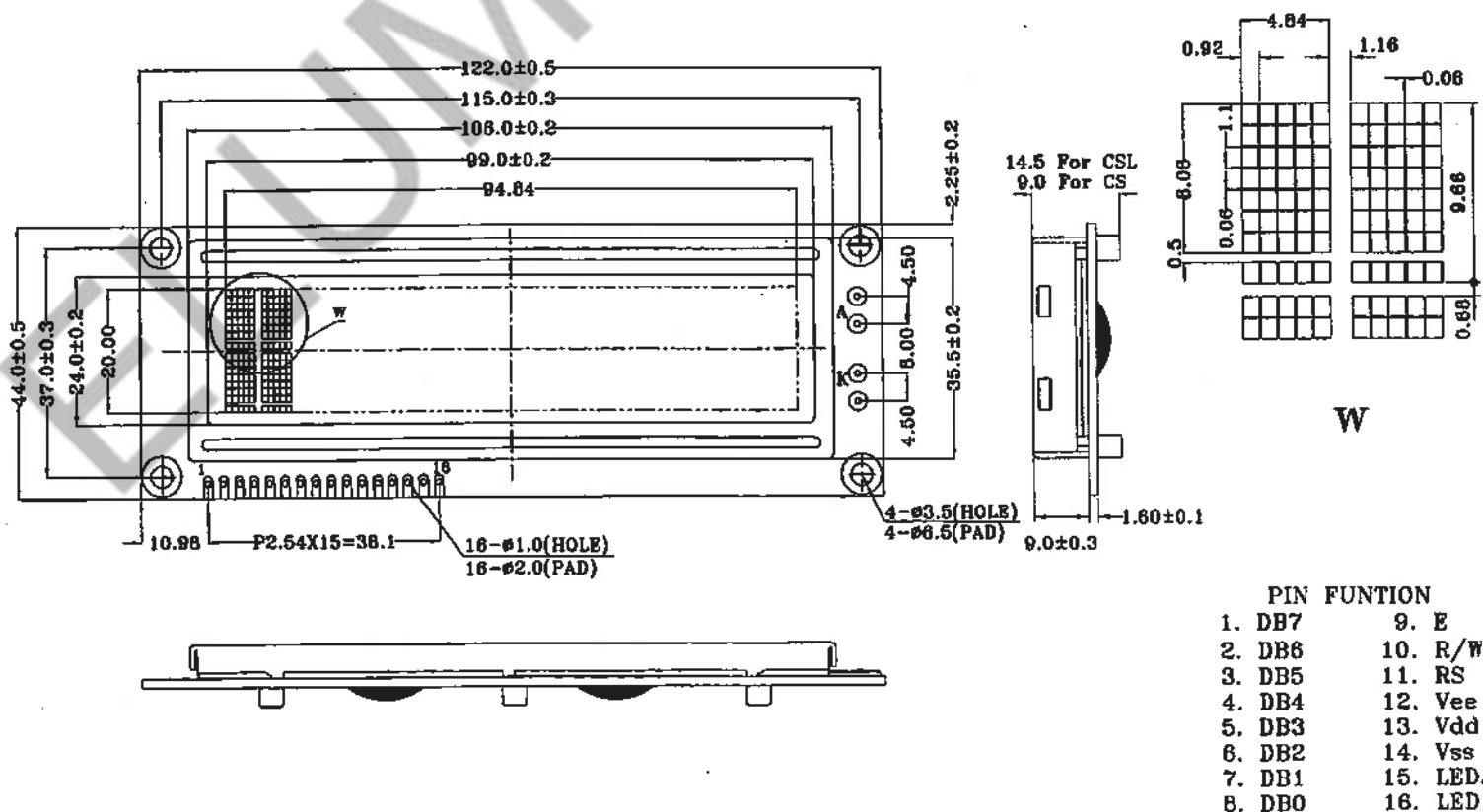
GENERAL INFORMATION

Item	Description	Unit
Module Dimension	122.0(L) x 44.0(W) x 9.0/14.5(H)	mm
Viewing Area	99.0(L) x 24.0(W)	mm
Character Size	4.84(L) x 8.06(W)	mm
Dot Size	0.92(L) x 1.10(W)	mm
Dot Pitch	0.98(L) x 1.16(W)	mm
Duty Cycle	1/16	

SYSTEM BLOCK DIAGRAM



ASSEMBLY DIAGRAM



ABSOLUTE MAXIMUM

Item	Symbol	Min.	Max.	Unit
Power Supply for Logic	Vdd	-0.3	+7.0	V
Power Supply for LCD Drive	Vlcd	Vdd-15.0	Vdd+0.3	V
Input Voltage	Vi	-0.3	Vdd+0.3	V
Operating Temperature	Ta	0	50	°C
Storage Temperature	Tstg	-10	60	°C

ELECTRICAL CHARACTERISTICS

(Ta=25°C; Vdd=5.0V±5%, otherwise specified)

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Power Supply for Logic	Vdd	--	4.5	--	5.5	V
Operating Voltage for LCD	Vdd-V0	--	--	5.0	--	V
Input "high" voltage	Vih	--	2.2	--	Vdd	V
Input "low" voltage	Vil	--	-0.3	--	0.6	V
Output "high" voltage	Voh	-Ioh=0.2mA	2.4	--	--	V
Output "low" voltage	Vol	Iol=1.2mA	--	--	0.4	V

PIN ASSIGNMENT

No.	Symbol	Level	Function	
14	Vss	--	0V	Power Supply
13	Vdd	--	+5V	
12	Vo	--	for LCD	
11	RS	H/L	Register Select : H--Data, L--Instruction	
10	R/W	H/L	H--Read	L--Write
9	E	H,H-L	Enable Signal	
8	DB0	H/L	Data bus used in 8 bit transfer	
7	DB1	H/L		
6	DB2	H/L		
5	DB3	H/L		
4	DB4	H/L	Data bus for both 4 and 8 bit transfer	
3	DB5	H/L		
2	DB6	H/L		
1	DB7	H/L		
15	A	--	LED Backlight (+)	
16	K	--	LED Backlight (-)	