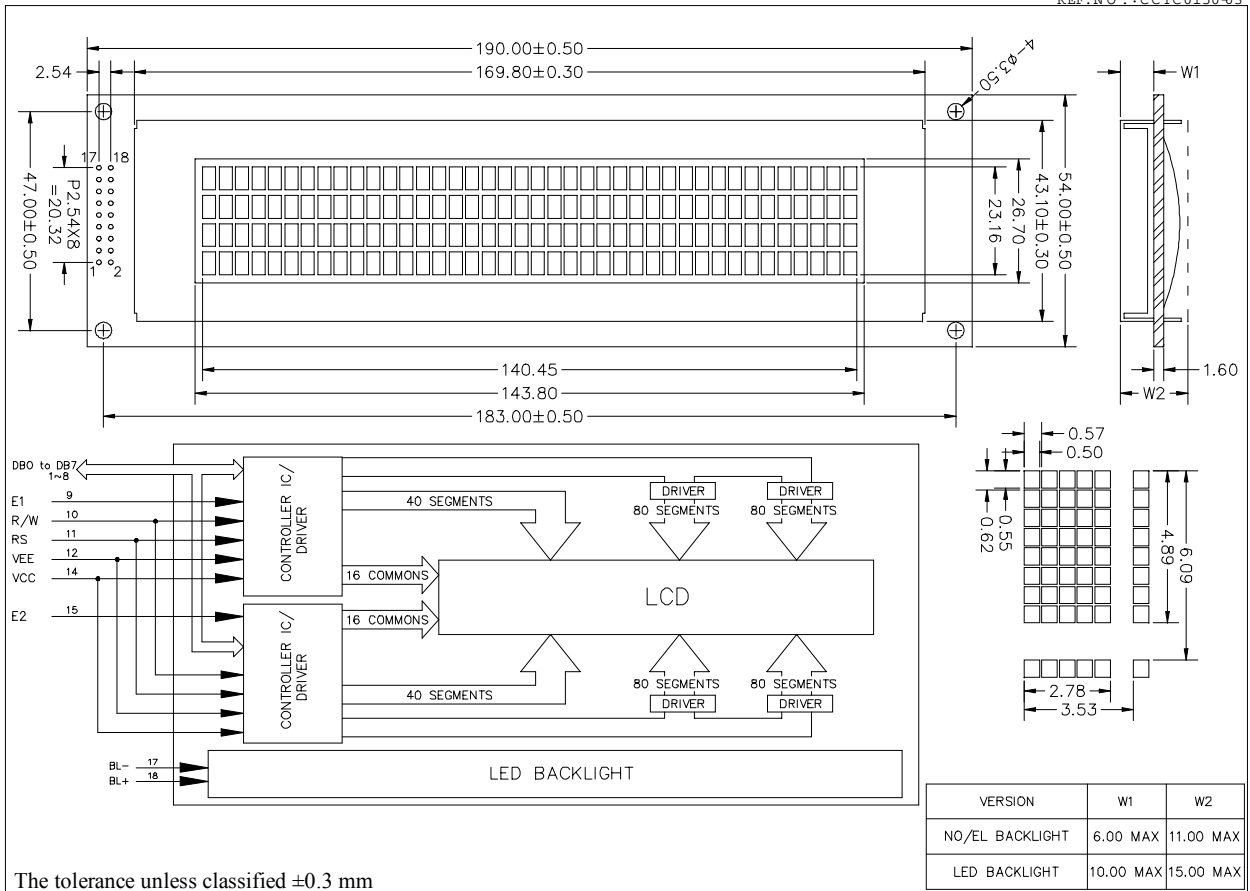


STANDARD CHARACTER MODULES

CMC440x01 OUTLINE DIMENSION AND BLOCK DIAGRAM

REF.NO.:CCTC0150-03



The tolerance unless classified ± 0.3 mm

PIN ASSIGNMENT

Pin No.	Symbol	Function
1	DB0	Data Bus Line
2	DB1	Data Bus Line
3	DB2	Data Bus Line
4	DB3	Data Bus Line
5	DB4	Data Bus Line
6	DB5	Data Bus Line
7	DB6	Data Bus Line
8	DB7	Data Bus Line
9	E1	Enable IC U ₁
10	R/W	Read / Write Selection
11	RS	Register Select Signal
12	Vo	Power Supply for LCD Driver
13	Vss	Ground Terminal
14	Vdd	Supply Terminal
15	E2	Enable IC U ₂
16	NC	-
17	BL-	Led Backlight Ground
18	BL+	Led Backlight Power Supply

ABSOLUTE MAXIMUM RATING

Item	Symbol	Conditions	Min.	Max.	Unit
Power Supply Voltage	V _{dd} -V _{ss}	-	-0.3	7.0	V
Input Voltage	V _{in}	-	V _{ss}	V _{dd}	V
Operation Temperature	T _{opr}	Nor	0	50	°C
Storage Temperature	T _{stg}	Nor	-20	70	°C

ELECTRICAL CHARACTERISTIC (V_{dd} = + 5v, T_a = 25°C)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Logic Supply Voltage	V _{dd}	-	2.75	-	5.5	V
"H" Input Voltage	V _{in}	-	0.7V _{dd}	-	V _{dd}	V
"L" Input Voltage	V _{in}	-	-0.3	-	0.6	V
"H" Output Voltage	V _{oh}	-	0.75V _{dd}	-	-	V
"L" Output Voltage	V _{ol}	-	-	-	0.2V _{dd}	V
Module Supply Current	I _{dd}	-	-	4.0	6.0	mA
LCD Driving Voltage	V _{lcd}	V _{dd} -V _o	-	4.5	-	V