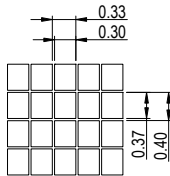
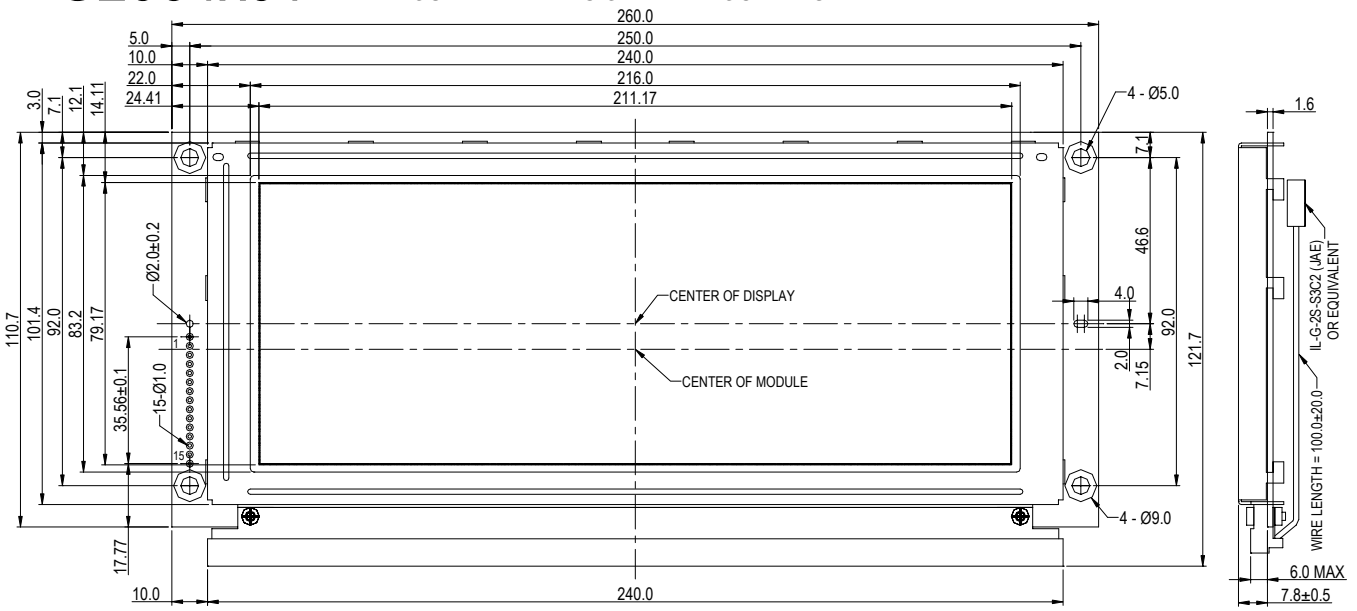




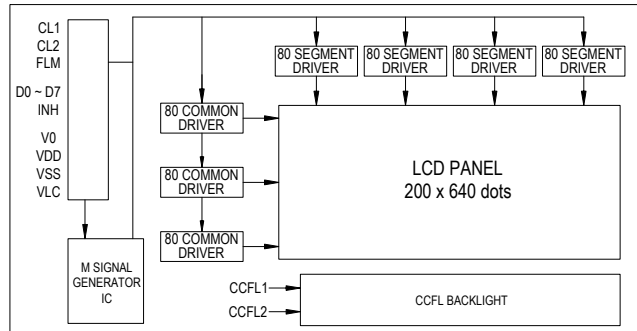
# STANDARD GRAPHICS MODULES

## G2064x01..... OUTLINE DIMENSION AND BLOCK DIAGRAM



The tolerance unless classified ±0.3 mm

PIN ASSIGNMENT		
Pin No.	Symbol	Function
1	VDD	Supply Terminal
2	FRAME	Frame Ground
3	CL2	X-Driver shift clock (Data Shift)
4	INH	Display Off (Active low)
5	FLM	First Line Marker
6	CL1	Latch pulse for column driver (Data Latch)
7	VSS	Ground Terminal
8	M	LCD Drive output AC Signal (Internal)
9	D0	Display Data
10	D1	Display Data
11	D2	Display Data
12	D3	Display Data
13	VLC	Negative Supply for LCD
14	V0	LCD Contrast Adjust Terminal
15	VSS	Ground Terminal
16	CCFL1	CCFL Supply Voltage (AC)
17	CCFL2	CCFL Supply Voltage (AC)



ABSOLUTE MAXIMUM RATING						
Item	Symbol	Conditions	Min.	Max.	Unit	
Power Supply Voltage	VDD-VSS	-	-0.3	6.0	V	
LCD Driver Supply Voltage	VLC	-	VDD-3.0	VDD	V	
NORMAL	OPERATING TEMPERATURE	Topr	Normal	0	+50	°C
	STORAGE TEMPERATURE	Tstg	Normal	-20	+70	°C

ELECTRICAL CHARACTERISTIC (Vdd = + 5v, Ta = 25°C)						
Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Logic Supply Voltage	VDD-VSS	-	4.75	5.0	5.25	V
"H" Input Voltage	V <sub>ih</sub>	-	0.8VDD	-	-	V
"L" Input Voltage	V <sub>il</sub>	-	-	-	0.3VDD	V
Module Supply Current	I <sub>dd</sub>	-	4.0	6.5	8.0	mA
LCD Driving Voltage	V <sub>LC</sub>	Vdd-Vo	20.5	21.5	22.5	V

BACKLIGHT OPTION					
LED COLOR	OPTION	CONDITION	FORWARD CURRENT (mA)		
			MIN	TYP	MAX
GREEN	NO	-	-	-	-
WHITE	YES	-	-	80	100
BLUE	YES	-	-	-	-
AMBER	NO	-	-	-	-
CCFL	YES	780V (AC)	-	5.0	-

NOTE :  
1. ALL BACKLIGHT : SIDE LED BACKLIGHT

CCT reserves the right to vary or make changes to the specifications of the module in this brochure at any time without prior notice. CCT further assumes no responsibility for its use, nor for any infringements of patents, pending applications or the rights of thirds parties as a result of its use.