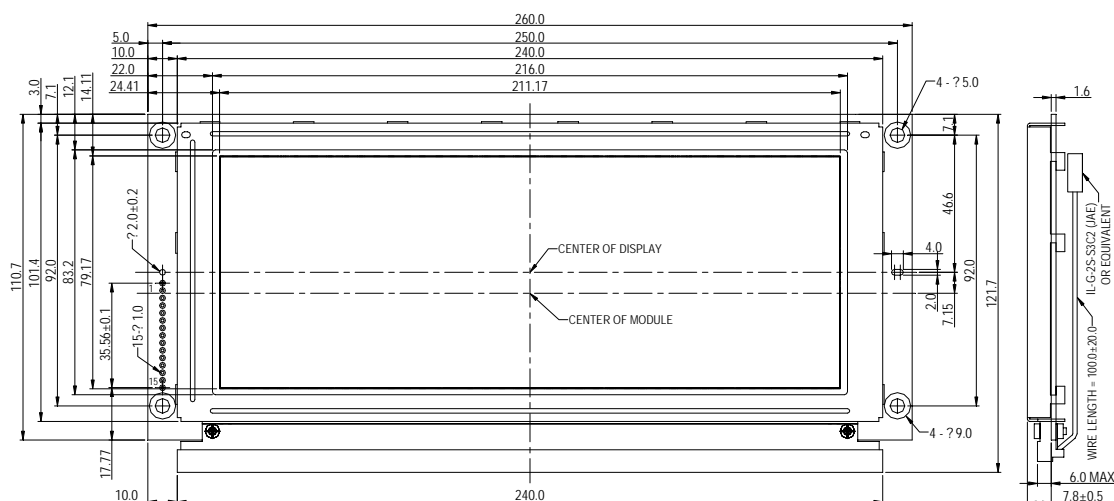


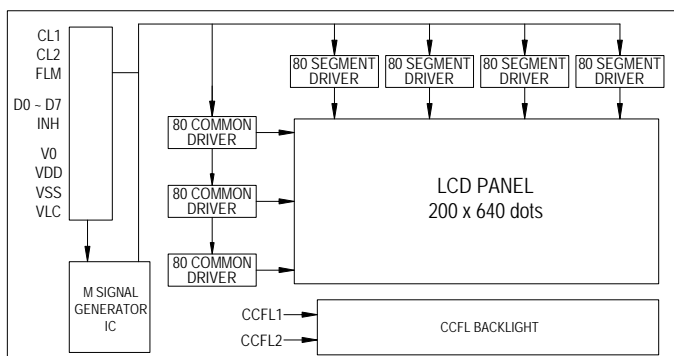
Standard LCD module

MG640200-01

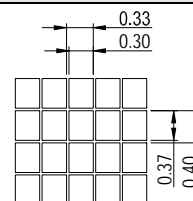
OUTLINE DIMENSION



BLOCK DIAGRAM



DISPLAY PATTERN



MECHANICAL SPECIFICATION

Item	Dimensions(W)X(H)	Unit
Overall Size	260.0x121.7	MM
View Area	216.0x83.2	MM
Dot Size	0.30x0.37	MM
Dot Pitch	0.33x0.40	MM

PIN ASSIGNMENT

Pin no	Symbol	Description
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 driver output AC signal
9~12	D0~D3	Data bus
13	VLC	Negative voltage for LCD
14	V0	LCD contrast adjust terminal
15	VSS	Ground terminal
16	CCFL1	CCFL supply terminal
17	CCFL2	CCFL supply terminal

ABSOLUTE MAXIMUM RATING

Item	Symbol	Condition	Min	Max	Unit
Supply for logic voltage	V _{DD}	25°C	-0.3	7.0	V
LCD driving supply voltage	V _{LCD}	25°C	-18	0.3	V
Input voltage	V _I	25°C	-0.3	V _{DD} +0.3	V

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min	Typical	Max	Unit
Supply voltage for logic	V _{DD}	25°C	4.75	5.0	5.25	V
Supply current for logic	I _{DD}	25°C	4.0	6.5	8.0	mA
Operating for LCD	V _{LCD}	V _{DD} -V ₀	20.5	21.5	22.5	V
Input voltage "H" level	V _{IH}	---	0.8V _{DD}	---	V _{DD}	V
Input voltage "L" level	V _{IL}	---	V _{SS}	---	0.2V _{DD}	V
Supply voltage for backlight	V _{BL}	---	AC 780(typ)			V
Supply current for backlight	I _{BL}	---	5.0(typ)			mA

REMARKS:

- LCD options: STN, FSTN.
- Back light type: LED Back light feature.