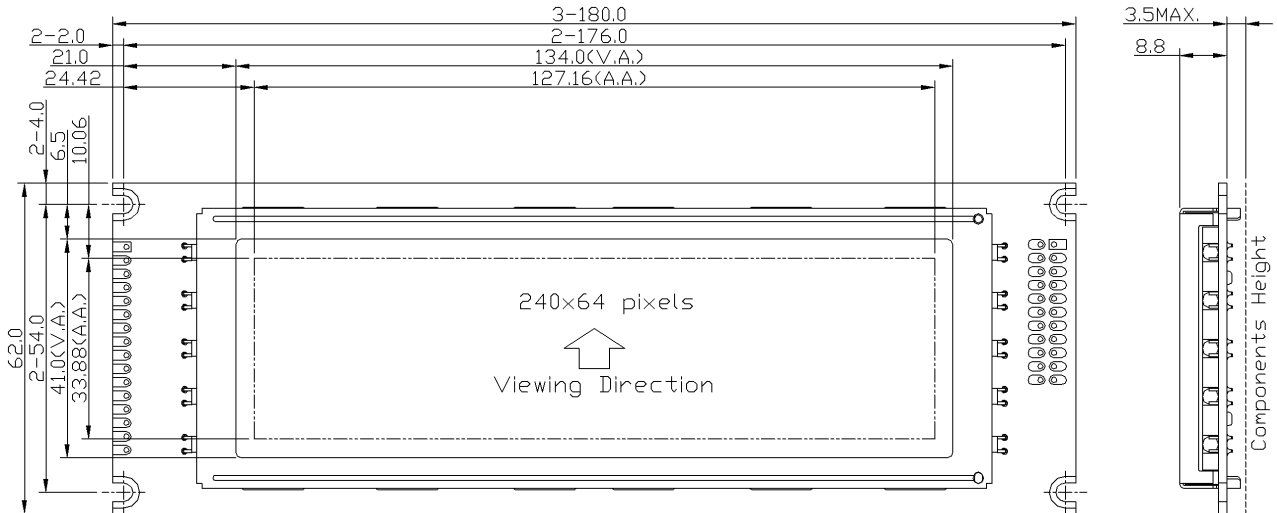


OUTLINE DRAWING



TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	FG	Frame Ground
2	VSS	0V Power Supply, Ground
3	VDD	Positive Power Supply
4	V0	LCD Contrast Reference Input
5	/WR	Data or Command Write Signal
6	/RD	Data or Status Read Signal
7	/CE	Chip Enable Signal
8	C/D	Address for Data or Command C/D = H: Command Write or Status Read C/D = L: Data Write or Data Read
9	NC	No Connection (leave open)
10	/RST	Reset Signal /RST=L, Reset the LCD Module /RST=H, Normal Running
11	DB0	8-bit data bus
:	:	
18	DB7	
19	FS1	Font Selection Input FS1=H: 6 x 8 font FS1=L: 8 x 8 font
20	VOUT	Power Booster Output for V0
21	BLA	LED Backlight Positive Power Supply
22	BLK	LED Backlight Negative Power Supply

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V <sub>DD</sub>	0	6.0
Operating Temperature (°C)	T <sub>OP</sub>	-20	+70
Storage Temperature (°C)	T <sub>ST</sub>	-30	+80

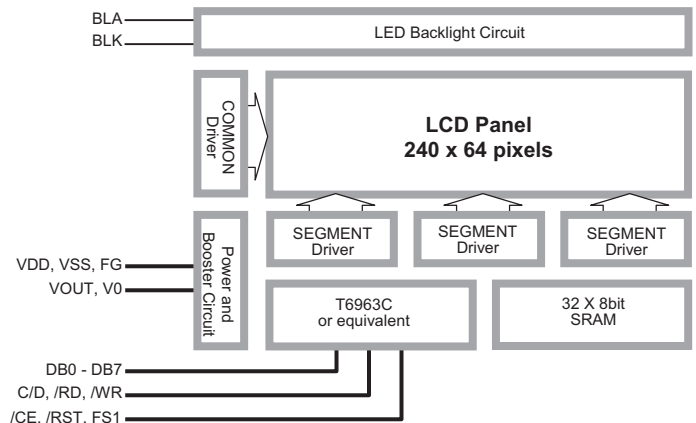
ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V <sub>DD</sub>	4.5	5.0	5.5
Input High Voltage (V)	V <sub>IH</sub>	0.6V <sub>DD</sub>	-	V <sub>DD</sub>
Input Low Voltage (V)	V <sub>IL</sub>	0	-	0.6
Operating Current (mA)	I <sub>DD</sub>	-	7.0	20.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V <sub>fBLA</sub>	-	5.0	-
Forward Current (mA)	I <sub>fBLA</sub>	-	165	200

BLOCK DIAGRAM



DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode*	STN-Blue, Negative, Transmissive
Viewing Angle*	6:00
Driving Method	1/64 duty, 1/9 bias
Backlight#	White LED Backlight

MECHANICAL DATA

Item	Value
Outline (mm)	180.0 x 62.0 x 12.3MAX
Viewing Area (mm)	134.0 x 41.0
Active Area (mm)	127.16 x 33.88
Dot Pitch (mm)	0.53 x 0.53
Dot Size (mm)	0.49 x 0.49

LM24064D series

	Highlight	
	LCD Mode	# Backlight
LM24064DBC	STN-YG	YG LED
LM24064DDC	STN-Gray	White LED
LM24064DFC*	STN-Blue	White LED
LM24064DGC	FSTN-Neg	White LED

For similar product or (semi) custom made LCD module, please visit our web site or contact us.

\*The above product information is based on this model.