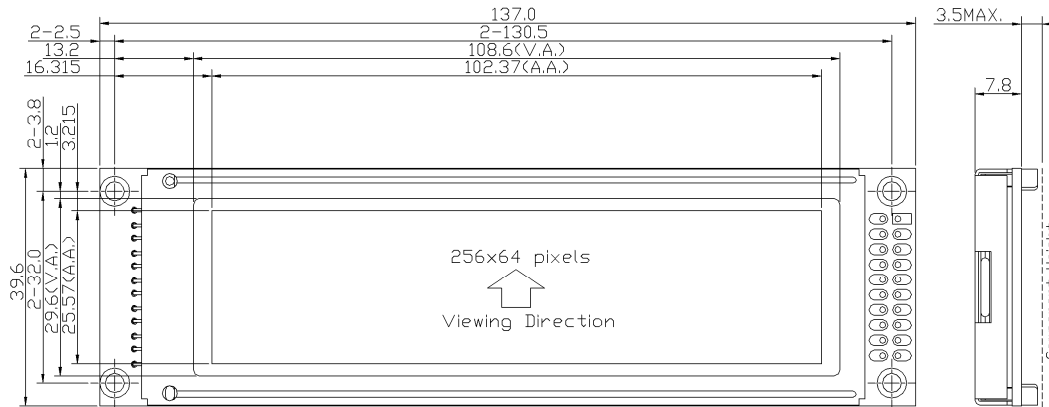


OUTLINE DRAWING



FEATURES

- 256x64 dots, parallel interface
- Specially designed for 1U case
- DC/DC on board, 5v power supply
- Kinds of display model, STN-Gray, FSTN-Pos, FSTN-Neg. with White or Green LED backlight optional

MECHANICAL DATA

Item	Value
Outline (mm)	137.0 x 39.6 x 11.3MAX.
Viewing Area (mm)	108.6 x 29.6
Active Area (mm)	102.37 x 25.57
Dot Pitch (mm)	0.4 x 0.4
Dot Size (mm)	0.37 x 0.37

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, Ground
2	VDD	Positive Power Supply
3	V0	LCD Contrast Reference
4	VOU	Power Booster Output for V0
5	RS	Register Select RS=HIGH: Transferring Display Data RS=LOW: Transferring Instruction Data
6	R/W	R/W=H, E=L; Data or status read from the LCD module
7	E	R/W=L, E=H→L Data or Instruction latch into the LCD module
8	DB0	Data Bus
:	:	Three state I/O terminal for display data or instruction data
15	DB7	
16	CSA	Chip Selection Enable access to each section of the LCD module
17	CSB	
18	CSC	
19	/RST	Reset Signal /RST=L, Reset /RST=H, Normal running
20	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	4.8	5.0	5.2
Input High Voltage (V)	V _{IH}	3.5	-	V _{DD}
Input Low Voltage (V)	V _{IL}	0	-	0.4
Operating Current (mA)	I _{DD}	-	6.0	18

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	5.0	-
Forward Current (mA)	I _{fBLA}	-	120	150

MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Backlight
LM6800★	STN-Gray	White LED
LM6800-1	FSTN-Pos	White LED
LM6800-2	FSTN-Neg	White LED
LM6800-3	FSTN-Neg	Green LED
LM6800AFW-5	STN Blue	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.

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80