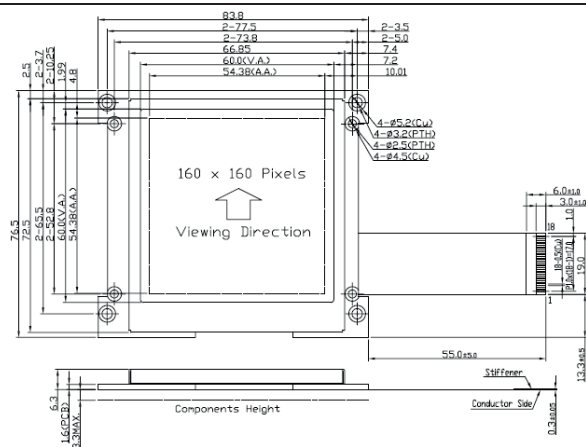


OUTLINE DRAWING



FEATURES

- 160 x 160 dots, parallel interface
- Single 3.3v power supply
- Ultra high contrast, FSTN-Positive with White LED backlight
- Contrast ratio adjustable by software
- Popular in Intelligent Power Meter

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	Negative power supply, 0V
2	D/C	Register Select D/C=H, Transferring the Display Data D/C=L, Transferring the Control Data
3	/WR	/WR=L->H, /RD=H Data or Instruction latch into the LCD module
4	/RD	/WR=L->H, /RD=H Data or Status read from the LCD module
5	/CS0	Chip Select CS0=L, enable access to the LCD module CS0=H, disable access to the LCD module
6	/RST	Reset signal /RST=L, Initialization is executed /RST=H, Normal running
7	/VDD	Positive power supply
8	DB0	8 bit Data bus;
9	:	Three state I/O terminal for display data or instruction data when /CS=H, D0~D7=High Impedance
15	DB7	
16	BLK	Negative power for LED backlight
17	NC	No connection, leave open
18	BLA	Positive power for LED backlight

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
Operating Temperature (C)	T _{OP}	-25	+70
Storage Temperature (C)	T _{ST}	-35	+80

MECHANICAL DATA

Item	Value
Outline (mm)	83.8 x 76.5 x 9.6MAX.
Viewing Area (mm)	60.0 x 60.0
Active Area (mm)	54.4 x 54.4
Dot Pitch (mm)	0.34 x 0.34
Dot Size (mm)	0.32 x 0.32

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/160 duty, 1/10 bias
Backlight	White LED backlight

ELECTRICAL CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	2.7	3.0	3.3
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	SS	-	0.2V _{DD}
Operating Current (mA)	I _{DD}	-	-	8.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	3.3	-
Forward Current (mA)	I _{fBLA}	-	60	80

MAJOR PRODUCT LIST

Models	Highlight	
	LCD Mode	Backlight
LM160160ACW★	FSTN-Pos	White

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.