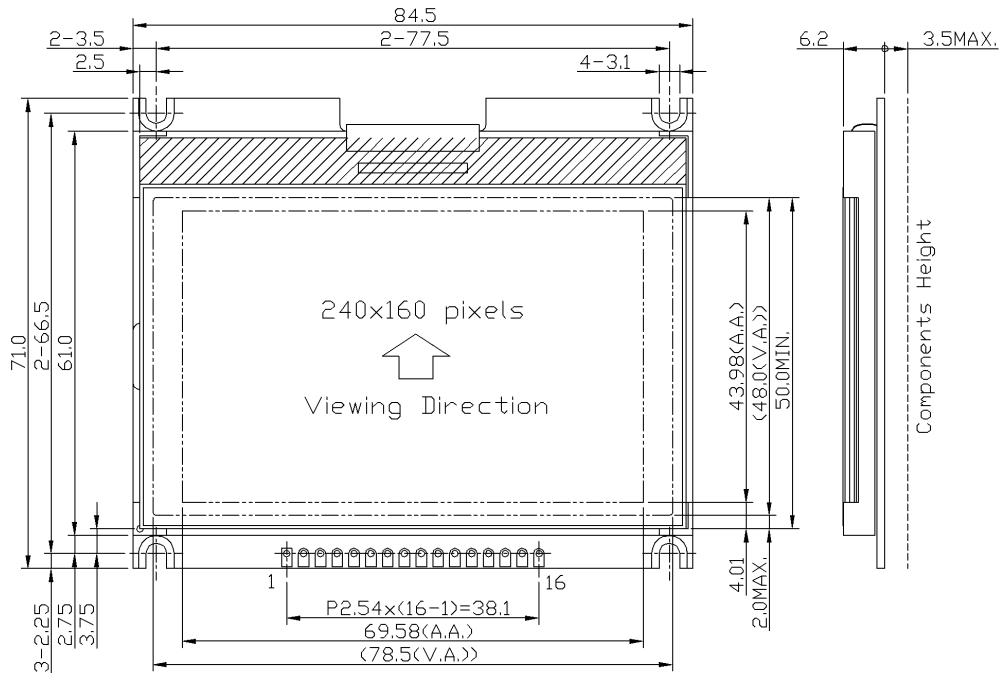


OUTLINE DRAWING



TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VDD	Positive Power Supply
2	VSS	0V Power Supply, Ground
3	/CS	Chip Selection /CS=L, enable access to LCD Module /CS=H, disable access to the LCD Module
4	RS	Register Select RS = H, Transferring the Display Data RS = L, Transferring the Control Data
5	/WR	/WR=L → H, /RD=H Data or Instruction latch into the LCD module
6	/RD	/WR=H, /RD=L Data or status read from the LCD module
7	DB0	8 bit Data Bus
:	:	Three state I/O Terminal for display data or instruction data
14	DB7	
15	/RST	Reset signal /RES= L, Reset the LCD module /RES= H, Normal running
16	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode*	STN-Blue, Negative, Transmissive
Viewing Angle	6:00
Driving Method	1/160 duty, 1/12 bias
Backlight#	White LED Backlight

MECHANICAL DATA

Item	Value
Outline (mm)	84.5 x 71.0 x 9.7MAX
Viewing Area (mm)	78.5 x 48.0
Active Area (mm)	69.58 x 43.98
Dot Pitch (mm)	0.29 x 0.275
Dot Size (mm)	0.27 x 0.255

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V _{DD}	-0.3	+4.0
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

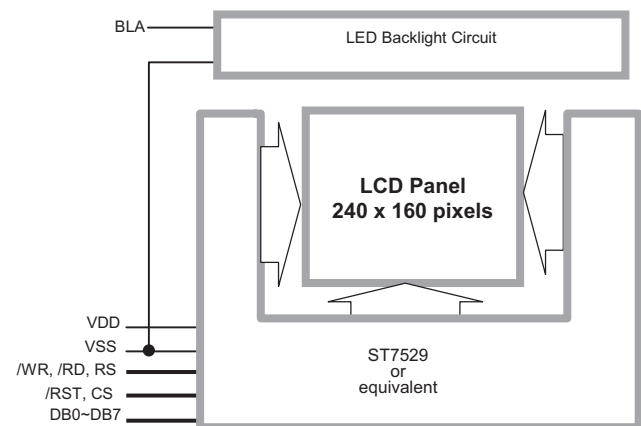
ELECTRICAL CHARACTERISTICS*

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	3.1	3.3	3.6
Input High Voltage (V)	V _{IH}	0.8 V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	0	-	0.2V _{DD}
Operating Current (mA)	I _{DD}	-	1.5	7.0

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	3.3	-
Forward Current (mA)	I _{fBLA}	-	85	110

BLOCK DIAGRAM



LM240160G series

	Highlight		
	LCD Mode	# Backlight	* Voltage
LM240160GCW	FSTN-POS	White LED	3.3V
LM240160GFW*	STN-Blue	White LED	3.3V

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.