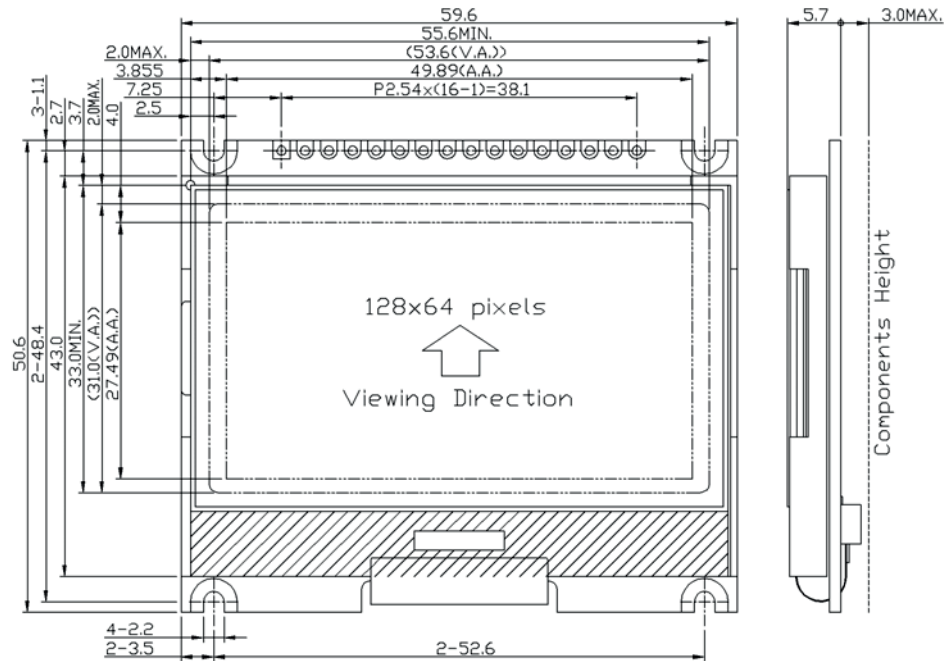


OUTLINE DRAWING



TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	VSS	0V Power Supply, Ground
2	VDD	Positive Power Supply
3	DB7	8 bit Data Bus
:	:	Three state I/O Terminal for display data or instruction data
10	DB0	
11	/RD	/WR=H, /RD=L Data or status read from the LCD module
12	/WR	/WR=L → H, /RD=H Data or Instruction latch into the LCD module
13	RS	Register Select RS = H, Transferring the Display Data RS = L, Transferring the Control Data
14	/RES	Reset signal /RES = L, Reset the LCD module /RES = H, Normal running
15	/CS1	Chip Selection /CS1=L, enable access to LCD Module /CS1=H, disable access to the LCD Module
16	BLA	LED Backlight Positive Power Supply

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/65 duty, 1/9 bias
Backlight [#]	White LED

MECHANICAL DATA

Item	Value
Outline (mm)	59.6 x 50.6 x 8.7MAX
Viewing Area (mm)	53.6 x 31.0
Active Area (mm)	49.89 x 27.49
Dot Pitch (mm)	0.39 x 0.43
Dot Size (mm)	0.36 x 0.40

ABSOLUTE MAXIMUM

Item	Symbol	Min	Max
Operating Voltage (V)	V _{DD}	-0.3	+3.7
Operating Temperature (°C)	T _{OP}	-20	+70
Storage Temperature (°C)	T _{ST}	-30	+80

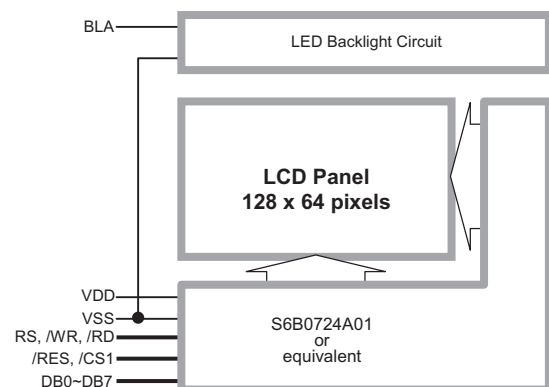
ELECTRICAL CHARACTERISTICS*

Item	Symbol	Min	Typ	Max
Operating Voltage (V)	V _{DD}	2.9	3.3	3.6
Input High Voltage (V)	V _{IH}	0.8 V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.2V _{DD}
Operating Current (mA)	I _{DD}	-	0.3	1.5

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	3.3	-
Forward Current (mA)	I _{fBLA}	-	39	60

BLOCK DIAGRAM



LM6029A series

	Highlight		
	* LCD Mode	# Backlight	** Voltage
LM6029A*	FSTN	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.