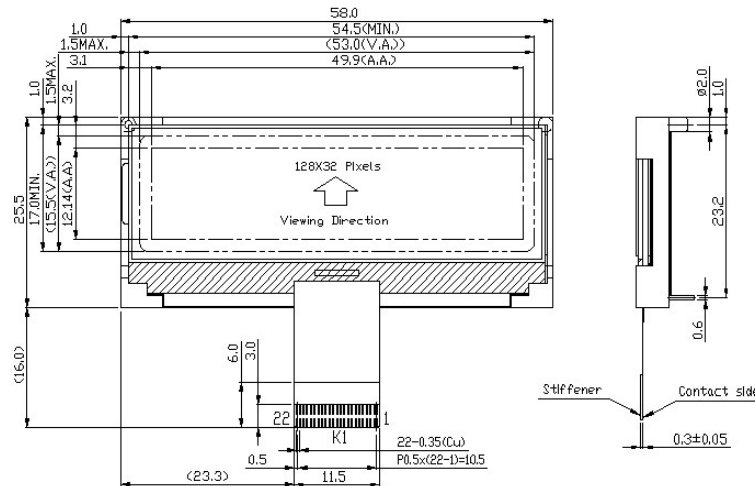


OUTLINE DRAWING



FEATURES

- 128 x 32 dots, COG type
- Small dot size, for delicate graphics drawing
- 3.3v power supply
- Low power consumption

MECHANICAL DATA

Item	Value
Outline (mm)	58.0 x 25.5 x 7.8MAX.
Viewing Area (mm)	53.0 x 15.5
Active Area (mm)	49.9 x 12.14
Dot Pitch(mm)	0.39 x 0.38
Dot Size (mm)	0.37x 0.36

TERMINAL FUNCTIONS

Pin	Name	Descriptions
1	GND	Connect to VSS
2	/CS1	Chip Select /CS=L, enable access to the LCD module /CS=H, disable access to the LCD module
3	/RES	Reset signal /RST=L, Initialization is executed /RST=H, Normal running
4	A0	Register Select A0=H, Transferring the Display data A0=L, Transferring the Control data
5	SCL	Serial clock input
6	SI	Serial data input
7	VDD	Positive Power Supply
8	VSS	Negative Power Supply
9	VOUT	Power Booster Circuit Output
10	CAP3P	Power Booster Circuit Capacitance Terminals
11	CAP1N	
12	CAP1P	
13	CAP2P	
14	CAP2N	LCD driving voltage supply terminals
15	V4	
:	:	
19	V0	
20	VR	Power Booster Resistor ratio reference input
21	IRS	Select the resistors for the V0 voltage level adjustment IRS=H, Using the internal resistors IRS=L, Not Using the internal resistor
22	GND	Connect to VSS

DISPLAY CHARACTERISTICS

Item	Value
LCD Display Mode	FSTN, Positive, Transflective
Viewing Angle	6:00
Driving Method	1/33 duty, 1/6 bias
Backlight	White

TEMPERATURE CHARACTERISTICS

Item	Symbol	Min	Max
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}	2.8	3.0	3.3
Input High Voltage (V)	V _{IH}	0.8V _{DD}	-	V _{DD}
Input Low Voltage (V)	V _{IL}	V _{SS}	-	0.2V _{DD}
Operating Current (mA)	I _{DD}	-	0.2	0.5

BACKLIGHT CHARACTERISTICS

Item	Symbol	Min	Typ	Max
Forward Voltage (V)	V _{fBLA}	-	3.3	-
Forward Current (mA)	I _{fBLA}	-	29	51

MAJOR PRODUCT LIST

Models	Highlight		
	LCD Mode	Backlight	Voltage
LM12832BCW★	FSTN-Positive	White	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.