



# 128 x 128 4 G/S Full Graphic FSTN LCD Module

## Description

This TAB LCD module features 128x128 4G/S full dot matrix configuration. The standard FSTN display is transfective with negative contrast. The module comes with a blue backlighting (other backlighting colors are possible on demand). No tooling is required. It is ideal for battery-operated applications requiring low power consumption such as mobile and DECT phones, portable audio players and remote controls.

## Key Specifications

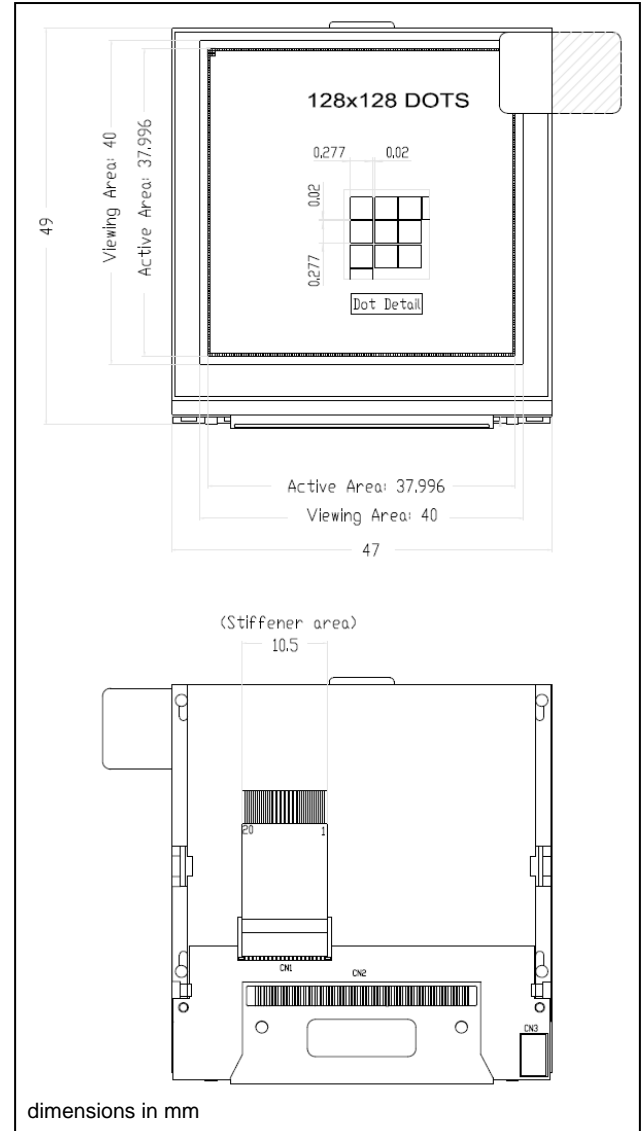
Parameter	Characteristics
Display mode	FSTN (with 4 gray scale levels)
Display type	Transflective, negative
Driving	1/128 duty , 1/12 bias
Viewing angle	6 o'clock
LCD driver	SSD1852
LCD module structure	LCD + TAB + PCB + FFC Blue color backlighting  Option: other backlighting colors on demand
Dots configuration	128x128 full dot matrix
Module size (W x H x T)	47 mm x 49 mm x 3.59 mm
Viewing area (W x H)	40 mm x 40 mm
Weight	12 g
Power supply voltage $V_{DD}$	1.8 V to 3.3 V
Operating voltage $V_{LCD}$	12.20 V (internally generated)
Module current consumption at 25°C	Typical: 1.35 mA
Back light current consumption at 25°C	Typical: 20 mA (3 LED's in series)
Operating temperature range	0°C to +50°C
Storage temperature range	-35°C to +70°C

## Ordering Information

Product below is standard.

Part Number	Description
AT01	AT01 module with blue backlighting

Please contact EM for detailed schematics and specification.



## Typical Applications

- Mobile and DECT phones
- Remote control device
- MP3 and DVD players
- Graphic calculators
- POS, credit card readers
- Scales and utility meters
- Sporting & fishing devices