Winstar Display Co., LTD
華凌光電股份有限公司
WEB: https://www.winstar.com.tw E-mail: sales@winstar.com.tw

SPECIFICATION

MODULE NO.: WO256128-xxxA2#FC

General Specification

Item	Dimension	Unit
Number of dots	256 x 128	—
Module dimension	93.0 x 54.0 x 9.5	mm
View area	70.7 x 38.8	mm
Active area	66.54 x 33.26	mm
Dot size	0.24 x 0.24	mm
Dot pitch	0.26 x 0.26	mm
Drive Method	1/128 Duty, 1/12 Bias	
Backlight Type	LED	
IC	ST75256	

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Represented by:
first FC components
FIRST Components srl Via Cavour 69, 21020 Buguggiate (VA)
T. +39 0332 1888005 web: www.first-components.com

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	T_{OP}	-20	—	+70	℃
Storage Temperature	T_{ST}	-30	—	+80	℃
MPU Interface Input Voltage	V_{IN}	-0.3	—	V_{DD}+0.3	V
Digital Power Supply Voltage	V_{DD}-Vss	-0.3	—	4.0	V
LCD Power supply voltage	V0- XV0	-0.3	—	19.0	V

Electrical Characteristics

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Logic	V_{DD}-V_{SS}	—	3.0	3.3	3.6	V
Supply Voltage For LCM	V_{OP}	Ta=-20℃	—	—	—	V
		Ta=25℃	14.2	14.5	14.8	V
		Ta=70℃	—	—	—	V
Input High Volt.	V_{IH}	—	0.7 V_{DD}	—	V_{DD}	V
Input Low Volt.	V_{IL}	—	V_{SS}	—	0.3 V_{DD}	V
Output High Volt.	V_{OH}	—	0.8 V_{DD}	—	V_{DD}	V
Output Low Volt.	V_{OL}	—	V_{SS}	—	0.2 V_{DD}	V
Supply Current	I_{DD}	V_{DD}=3.3V	—	1.5	2.0	mA

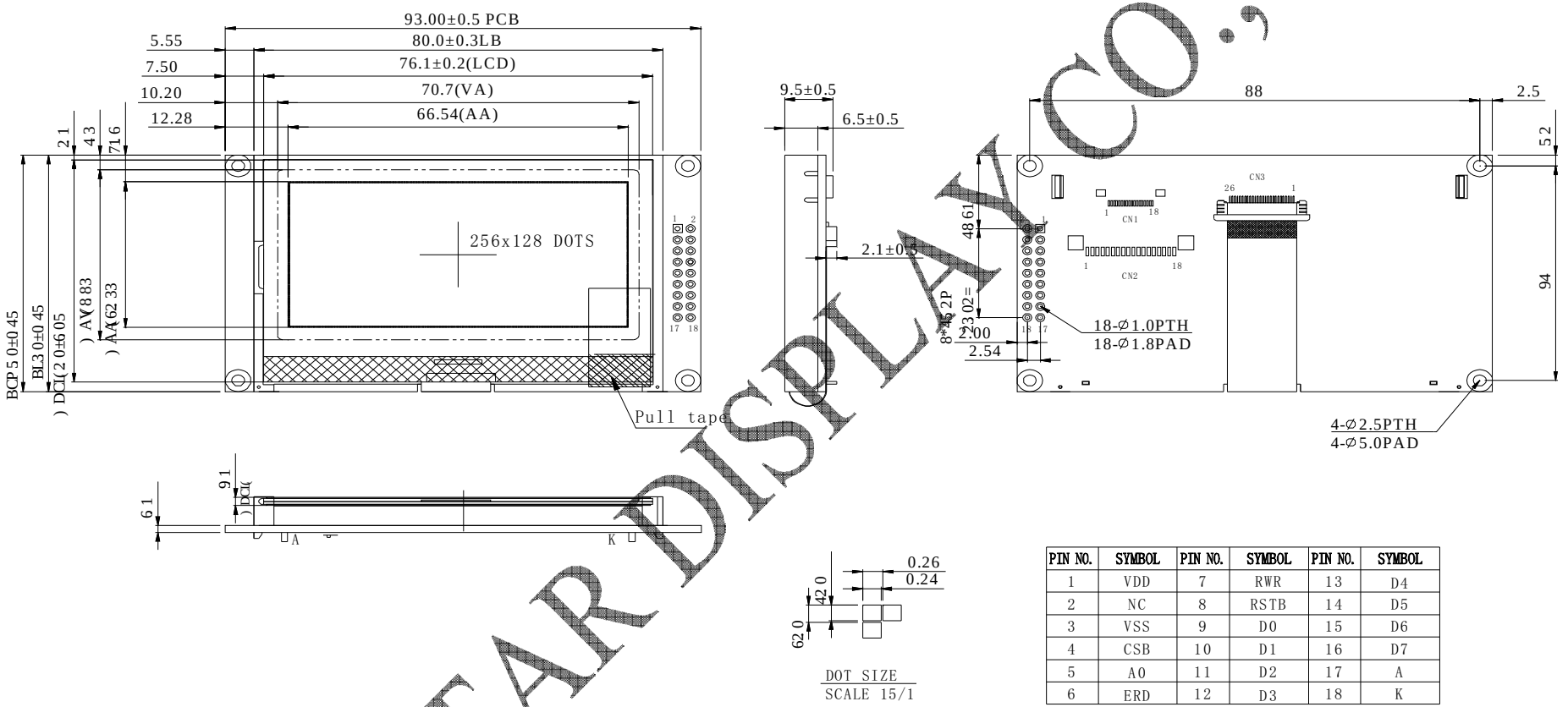
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Interface Pin Function

Pin No.	Symbol	Description
1	VDD	+3.3V
2	NC	No connection
3	VSS	ground
4	CSB	Chip select input pin
5	A0	Whether the access is related to data or command
6	ERD	Read or write enable terminal
7	RWR	Read/Write execution control pin
8	RSTB	Reset input pin
9~16	D0~D7	Data bus line
17	A	LED+
18	K	LED-

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Contour Drawing



PIN NO.	SYMBOL	PIN NO.	SYMBOL	PIN NO.	SYMBOL
1	VDD	7	RWR	13	D4
2	NC	8	RSTB	14	D5
3	VSS	9	D0	15	D6
4	CSB	10	D1	16	D7
5	A0	11	D2	17	A
6	ERD	12	D3	18	K

The non-specified tolerance of dimension is ±0.3mm.

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