



WINSTAR Display Co.,Ltd.
華凌光電股份有限公司

SPECIFICATION

MODULE NO.: WO256128A2

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	
Interface	8080	

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	T_{OP}	-20	—	+70	°C
Storage Temperature	T_{ST}	-30	—	+80	°C
MPU Interface Input Voltage	V_{IN}	-0.3	—	$V_{DD}+0.3$	V
Digital Power Supply Voltage	$V_{DD}-V_{SS}$	-0.3	—	4.0	V
LCD Power supply voltage	$V_0- XV_0$	-0.3	—	19.0	V

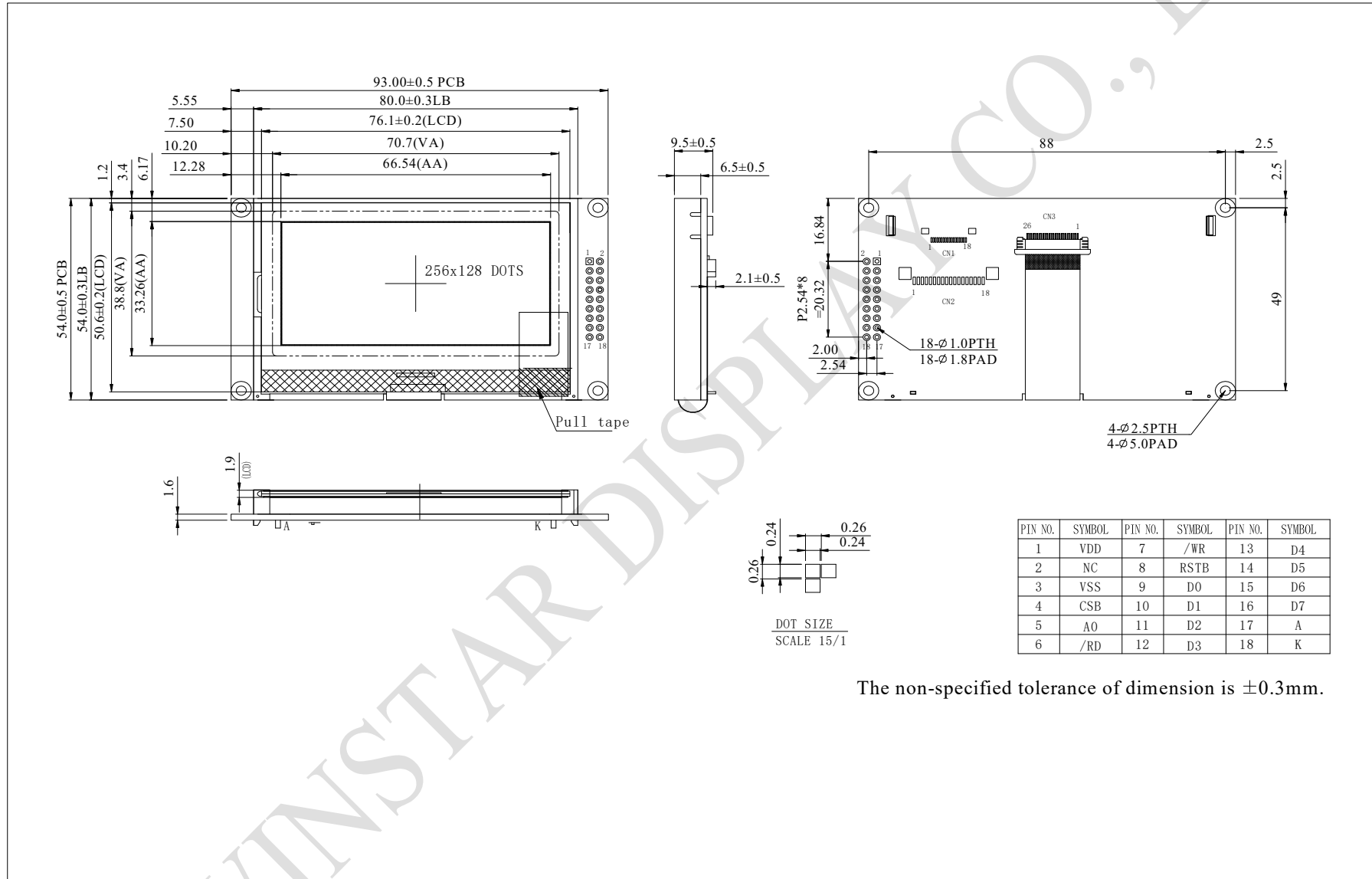
Electrical Characteristics

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}	$T_a=-20^{\circ}C$	—	—	—	V
		$T_a=25^{\circ}C$	14.2	14.5	14.8	V
		$T_a=70^{\circ}C$	—	—	—	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

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	/RD	Read or write enable terminal
7	/WR	Read/Write execution control pin
8	RSTB	Reset input pin
9~16	D0~D7	Data bus line
17	A	LED+
18	K	LED-

Contour Drawing



The non-specified tolerance of dimension is $\pm 0.3\text{mm}$.