Winstar Display Co., LTD
華凌光電股份有限公司
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SPECIFICATION

CUSTOMER : _____

MODULE NO.: WG12864B-CFH-V#N

General Specification

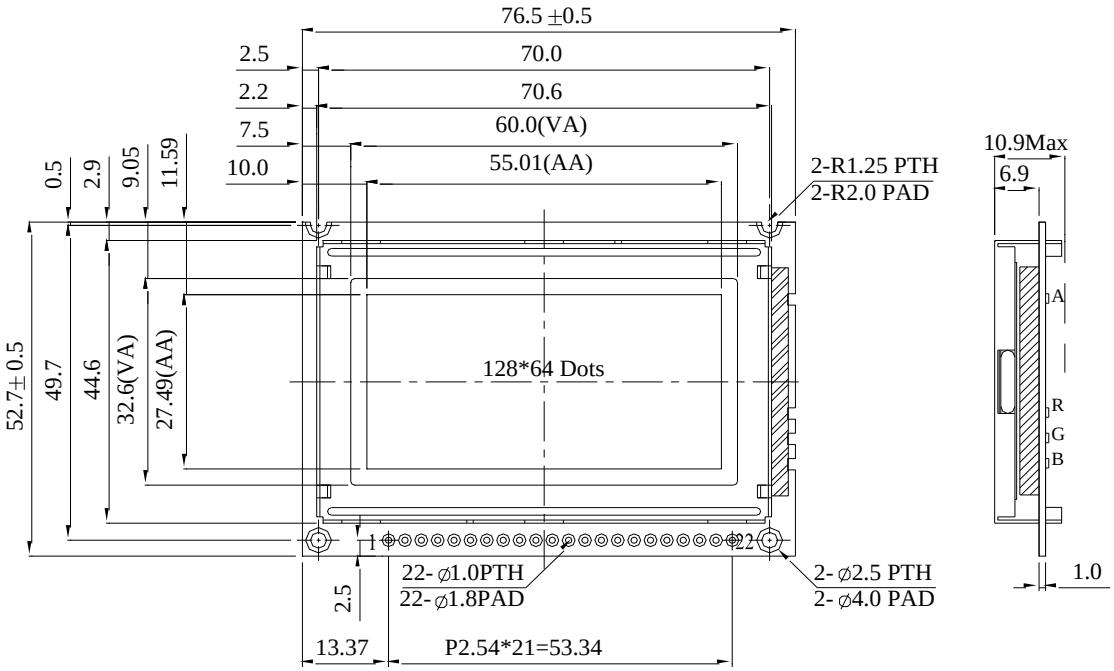
Item	Dimension	Unit
Number of dots	128 x 64	—
Module dimension	76.5 x 52.7 x 10.9 (MAX)	mm
View area	60.0 x 32.6	mm
Active area	55.01 x 27.49	mm
Dot size	0.40 x 0.40	mm
Dot pitch	0.43 x 0.43	mm
LCD type	FSTN Positive Transflective (In LCD production, It will occur slightly color difference. We can only guarantee the same color in the same batch.)	
Duty	1/64	
View direction	6 o'clock	
Backlight Type	LED, Full color	
IC	NT7107, NT7108	

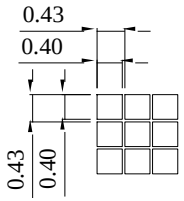
first FC components
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web: www.first-components.com

Interface Pin Function

Pin No.	Symbol	Level	Description
1	V_{DD}	5.0V	Supply voltage for logic
2	V_{SS}	0V	Ground
3	V_o	(Variable)	Contrast Adjustment
4	DB0	H/L	Data bus line
5	DB1	H/L	Data bus line
6	DB2	H/L	Data bus line
7	DB3	H/L	Data bus line
8	DB4	H/L	Data bus line
9	DB5	H/L	Data bus line
10	DB6	H/L	Data bus line
11	DB7	H/L	Data bus line
12	CS1	L	Select Column 1~ Column 64
13	CS2	L	Select Column 65~ Column 128
14	/RST	L	Reset signal
15	R/₩	H/L	H: Read (MPU←Module) , L: Write (MPU→Module)
16	D/I	H/L	H: Data , L : Instruction
17	E	H	Enable signal
18	Vee	—	Negative Voltage output
19	A	—	Power Supply for LED backlight (+)
20	R		Power Supply for LED Red
21	G		Power Supply for LED Green
22	B		Power Supply for LED Blue

Contour Drawing &Block Diagram





DOT SIZE
SCALE 10/1

PIN NO.	SYMBOL
1	Vdd
2	Vss
3	Vo
4	DB0
5	DB1
6	DB2
7	DB3
8	DB4
9	DB5
10	DB6
11	DB7
12	CS1
13	CS2
14	$\overline{RST}$
15	R/$\overline{W}$
16	D/$\overline{I}$
17	E
18	Vee
19	A
20	R
21	G
22	B

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