FOCUS LCDs
LCDs MADE SIMPLE®

TFT | OLED | CHARACTER | GRAPHIC | UWVD | SEGMENT | CUSTOM

TFT Display Module

Part Number

G12864A1-FTW-LW63

Overview:

- 128x64 Graphic LCD
- FSTN Gray
- Overall Size: 89.7mm x 49.8
- Parallel and Serial Interfaces
- White LED Backlight

- Transflective
- -20°C to +70°C Operating Temp
- 3.0V
- Controller: AIP31565CR
- RoHS Compliant

NO	SYMBOL
1	CS1
2	/RES
3	AO
4	/WR
5	/RD
6~13	DB0~DB7
14	VDD
15	VSS
16	VOUT
17	C3+
18	C1-
19	C1+
20	C2+
21	C2-
22	V1
23	V2
24	V3
25	V4
26	V0
27	VR
28	C86
29	P/S
30	IRS

Pin Assignment

P0.5*29=14.50
JST-PHR-2.0 or Equal
A   K
15.50±0.1
0.30
105±2.0
5.50±0.5
3.00±0.3
100±1.0
10.5(V1.1)
10.74
13.03
28.99
36.50V.A.
31.92A.A.
30.60
40.20
49.80
12-R2.00
Ø3.20
DOTS:128*64
63.86A.A.
69.00V.A.
75.70
82.70
89.70

0.30±0.05
Stiffener   Conductor
E336285 26AWG
FRONT   BACK
(10:1)
0.484
0.499
0.484
0.499
1.00
6.00

NOTES:
1. Driver Method: 1/64 Duty, 1/9 Bias, VDD3.0V, VLCD9.8V
2. Display Type: FSTN/Positive/Transflective
3. Viewing Angle: 6:00
4. Operating Temp: -20°C to +70°C
5. Storage Temp: -30°C to +80°C
6. Driver: AIP31565CR
7. Backlight Type: White LED Vf=3.5V/If=60mA
8. RoHS Compliant

Rev.	Description	Date
1.0	First	09/10/2021

Model Name: G12864A1-FTW-LW63
General Tol: ± 0.3
Approvals   Date
DWN:
CHK:
APP:
Drawing No.:
Size:
Scale:
Unit: mm
Page: 1/1

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