

### Part number list

AMG128064H□□□-□-□

### Feature

1. Built-in controller ST7565R
2. Built-in voltage booster
3. +3.3V single power supply
4. Multi LED backlight (White/Red/Green)
5. 6800/8080/SPI interface

### Pin Assignment

Pin No.	Symbol	Description
1	VDD	Power Supply for Logic
2	PSB	Parallel/Serial mode select
3	C86	6800/8080
4	NC	No Connection
5	V0	LCD driver supply voltage
6	V1	LCD driver supply voltage
7	V2	LCD driver supply voltage
8	V3	LCD driver supply voltage
9	V4	LCD driver supply voltage
10	C2N	Capacitor for internal DC/DC voltage converter
11	C2P	Capacitor for internal DC/DC voltage converter
12	C1P	Capacitor for internal DC/DC voltage converter
13	C1N	Capacitor for internal DC/DC voltage converter
14	C3P	Capacitor for internal DC/DC voltage converter
15	VOUT	Voltage converter output
16	GND	Ground
17	VDD	Power supply voltage
18~25	DB7~0	Data Bus Line
26	E(RD)	Enable signal(Date read)
27	R/W(WR)	Read/Write select signal(Date write)
28	A0	Data /Command select
29	/RES	Controller reset signal
30	CS1	Parallel/Serial mode select

### Mechanical Data

Item	Standard Value	Unit
Module Dimension	58.0 x 44.1	mm
Active Area	47.67 x 26.53	mm
Dot Pitch	0.38x 0.41	mm
Dot Size	0.34 x 0.38	mm

### Electrical Characteristics

Item	Symbol	Standard Value	Unit
		typ.	
Input Voltage	VDD	3.3	V
Recommended LCD Driving Voltage for Normal Temp. Version module @25°C	VDD-VX	9.0	V

### Mechanical Drawing

