

Part number list

AMG122032A□□□-□-□

Feature

1. Built-in controller ST7565R
2. +3.3V single power supply
3. Built-in voltage booster
4. I2C interface

Pin Assignment

Pin No.	Symbol	Description
1	CS1B	Chip select
2	RSTB	Controller reset signal
3	A0	Data /Command select
4	SCL	Serial Clock Input
5	SDA	Serial data input
6	VDD	Power Supply Voltage
7	VSS	Power Supply Ground
8	VOUT	Voltage converter output
9	C3P	Capacitor for internal DC/DC voltage converter
10	C1N	Capacitor for internal DC/DC voltage converter
11	C1P	Capacitor for internal DC/DC voltage converter
12	C2P	Capacitor for internal DC/DC voltage converter
13	C2N	Capacitor for internal DC/DC voltage converter
14~18	V4~V0	LCD driver supply voltage
19	C86	6800/8080
20	P/S	Parallel/Serial mode select

Mechanical Data

Item	Standard Value	Unit
Module Dimension	63.4 x 29.1	mm
Active Area	54.88 x 15.98	mm
Dot Pitch	0.45 x 0.50	mm
Dot Size	0.43 x 0.48	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	8.0	V

Mechanical Drawing

