

Part number list

AMG160050A□□□-□-□

Feature

1. Built-in controller ST7525
2. Built-in voltage booster
3. +3.0V single power supply
4. SPI interface

Pin Assignment

| Pin No. | Symbol | Description |
|---------|--------|-------------------------|
| 1 | ESD | ESD protection |
| 2 | VX0 | LCD Driving voltage (+) |
| 3 | V0 | LCD Driving voltage (-) |
| 4 | VDD | Power Supply Voltage |
| 5 | VSS | Power Supply Ground |
| 6 | CS | Chip select input pins |
| 7 | A0 | Data /Command select |
| 8 | RST | Reset signal |
| 9 | SCL | Serial Clock Input |
| 10 | SDA | Serial data input |
| 11 | ESD | ESD protection |
| 12 | NC | No connection |

Mechanical Data

| Item | Standard Value | Unit |
|------------------|----------------|------|
| Module Dimension | 56.1 x 26.1 | mm |
| Active Area | 47.97 x 14.97 | mm |
| Dot Pitch | 0.30 x 0.30 | mm |
| Dot Size | 0.27 x 0.27 | mm |

Electrical Characteristics

| Item | Symbol | Standard Value | Unit |
|---|--------|----------------|------|
| | | typ. | |
| Input Voltage | VDD | 3.0 | V |
| Recommended LCD Driving Voltage for Normal Temp. Version module @25°C | VDD-VX | 9.0 | V |

Mechanical Drawing

↓ 12 O'CLOCK VIEWING DIRECTION

