

display driver IC

mobile DDI

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- [Color STN](#)
- [Mobile TFT](#)
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panel DDI

EOL products

reliability information

what is DDI?

Mobile DDI > BW STN > S6A0069

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general description

S6A0069 is a dot matrix LCD driver & controller LSI which is fabricated by low power CMOS technology. It can display 1, 2-line with 5 x 8 or 5 x 11 dots format.

features

- Internal Memory
 - Character Generator ROM (CGROM): 10,080 bits (204 characters x 5 x 8 dot) & (32 characters x 5 x 11 dot)
 - Character Generator RAM (CGRAM): 64 '8 bits (8 characters '5 '8 dot)
 - Display Data RAM (DDRAM): 80 x 8 bits (80 characters max.)
- Low Power Operation
 - Power supply voltage range: 2.7 to 5.5V (VDD)
 - LCD drive voltage range: 3.0 to 13.0V (VDD . V5)
- CMOS process
- Programmable duty cycle: 1/8, 1/11, 1/16
- Internal oscillator with an external resistor
- Low power consumption
- 80 QFP or bare chip available

package & packing

| part number | S6A0069X01-C0CX | S6A0069X01-Q08J | S6A0069X01-Q0RJ | S6A0069X02-C0CX | S6A0069X03-C0CX |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| package type | | | | | |
| packing | | | | | |
| pins | | | | | |

production & availability

| part number | S6A0069X01-C0CX | S6A0069X01-Q08J | S6A0069X01-Q0RJ | S6A0069X02-C0CX | S6A0069X03-C0CX |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| life cycle | | | | | |
| die revision | | | | | |
| MOQ (small box) | N/A | N/A | N/A | N/A | N/A |

[note]

Life cycle identifies the device's overall life expectancy as being either **emerging**, **production**, or **EOL** (life cycle is independent of and does not correspond to die version).

Die revision identifies the die version's production status as being either **under development**, **transitioning in**, **mass production**, **transitioning out**, or **old version**.

Replacement part number is a recommended SAMSUNG part number for replacing EOL or old version devices.

product information request

After registration, you will be able to request datasheets.

After checking the information you input and the list you requested, **we will send the requested data to your registered business email address.**

RoHS information

For more information, please click the button next to the product name.

| | |
|--|---|
| material declaration sheet | does not contain hazardous materials defined in China RoHS declaration letter |
| contains hazardous materials defined in China RoHS | |

| | |
|--|--|
| S6A0069X01-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X01-Q08J is Lead-free and RoHS-compliant. | |
| S6A0069X01-Q0RJ is Leaded and RoHS 5 of 6. | |
| S6A0069X02-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X03-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X04-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X05-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X05-Q0RJ is Leaded and RoHS 5 of 6. | |
| S6A0069X06-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X08-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X10-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X10-Q0RJ is Leaded and RoHS 5 of 6. | |
| S6A0069X19-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X22-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X24-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X25-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X27-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X32-Q0RJ is Leaded and RoHS 5 of 6. | |
| S6A0069X34-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X35-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X37-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X39-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X40-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X43-Q08J is Lead-free and RoHS-compliant. | |
| S6A0069X43-Q0RJ is Leaded and RoHS 5 of 6. | |
| S6A0069X44-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X50-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X58-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X60-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X61-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X62-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X63-Q0RJ is Leaded and RoHS 5 of 6. | |
| S6A0069X65-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X66-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X67-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X68-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X69-C0CX is Lead-free and RoHS-compliant. | |
| S6A0069X70-C0CX is Lead-free and RoHS-compliant. | |

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