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Part Number: AC320214

# SSD1963 LCD CONTROLLER GRAPHICS CARD ☆

- Built-in 1215 KB bytes frame buffer.
- Supports up to 864 x 480 at 24 bpp color
- Supports TFT 18/24-bit generic RGB interface panel
- 8/9/16/18/16/24-bit MCU interface
- Hardware display mirroring
- Hardware windowing
- Tearing effect signal
- Built-in refresh generator

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## Overview

The SSD1963 LCD Controller Graphics Card (AC320214) enables controller-based graphics for a large variety of Microchip starter kits. It seats into the Xplained/Curiosity Ultra 67-pin connector. This card will enable MCUs built on this form factor to pass 16-bit parallel graphics data to the Solomon Systech SSD1963 Display controller on this daughter card. The SSD1963 LCD Controller Graphics Card is designed specifically to be used with the following boards and display modules:

- SAM E54 Curiosity Ultra (DM320210)
- SAM E70 Xplained Ultra (DM320113)
- Curiosity PIC32 MZ EF 2.0 (DM320209)
- High-Performance 4.3" WQVGA Display Module with maXTouch (AC320005-4)
- High-Performance WVGA LCD Display Module with maXTouch (AC320005-5)

All Application Notes

## Documentation

| Title ⓘ                                                |          |   |
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| SSD1963 LCD Controller Graphics Card Information Sheet | Download | ☆ |



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