

■ VGA/LCD controllers

The SPC810X series is a VGA controller optimized for LCDs and includes products for monochrome and color LCDs. It can be used as a display controller for middle and large LCD panel (320 × 200 to 1024 × 768 dots) as well as for PC application.

● For monochrome STN-LCD

Part number	Feature	Package
SPC8104F0A	• 3.3V operation • Applicable to 16-bit ISA bus • 256K×16 bits DRAM control • 16-level gray scale	QFP15-128pin
SPC8107F0E	• 3.3V operation • Applicable to 16-bit PI bus or 8-bit ISA bus • 256K×16-bit DRAM control • 16-level gray scale	QFP15-100pin
SPC8108F0C	• 5V operation • Applicable to 16-bit ISA bus • 256K×16bit DRAM control • Built-in RAMDAC interface • 64-level gray scale • 64×64 hardware cursor	QFP17-144pin

● For color/monochrome STN-LCD

Part number	Feature	Package
SPC8106F0B	• 5V operation • Applicable to 16-bit ISA bus • 256K×16bit DRAM control • Built-in RAMDAC interface • 16 colors and 64-level gray scale • 64×64 hardware cursor	QFP17-144pin
SPC8106F0C	• 5.0V/3.3V operation • Applicable to 16-bit ISA bus • 256K×16 bits DRAM control • Built-in RAMDAC interface • 256 color and 64-level gray scale • 64×64 hardware cursor	QFP17-144pin
SPC8110F0A	• 5.0V/3.3V operation • 32-bit VL-bus/32-bit PCI-bus/32-bit 486D×33MHz Local-bus • Two 256K×16 bits DRAM control • Built-in 256×18 bits RAMDAC • 256K×16 bits DRAM control • Extended VGA 1024×768 256 color • Internal Hardware accelerator	QFP8-208pin

● Gray scale generator SPC8011 (Monochrome)
SPC8030 (Color)

Part number	Feature	Package
SPC8011F0A	16/64 level gray scale	QFP6-44pin
SPC8030F0A	64/512 colors	

● Color palette IC

Part number	Feature	Package
SEA6472F0A	Digital output/Analog RGB output	QFP5-80pin