

## -1 Graphics LSIs

### ■ 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	<ul style="list-style-type: none"> <li>• 3.3V operation</li> <li>• Applicable to 16-bit ISA bus</li> <li>• 256K×16 bits DRAM control</li> <li>• 16-level gray scale</li> </ul>	QFP15-128pin
SPC8107F0E	<ul style="list-style-type: none"> <li>• 3.3V operation</li> <li>• Applicable to 16-bit PI bus or 8-bit ISA bus</li> <li>• 256K×16-bit DRAM control</li> <li>• 16-level gray scale</li> </ul>	QFP15-100pin
SPC8108F0C	<ul style="list-style-type: none"> <li>• 5V operation</li> <li>• Applicable to 16-bit ISA bus</li> <li>• 256K×16bit DRAM control</li> <li>• Built-in RAMDAC interface</li> <li>• 64-level gray scale</li> <li>• 64×64 hardware cursor</li> </ul>	QFP17-144pin

#### ● For color/monochrome STN-LCD

Part number	Feature	Package
SPC8106F0B	<ul style="list-style-type: none"> <li>• 5V operation</li> <li>• Applicable to 16-bit ISA bus</li> <li>• 256K×16bit DRAM control</li> <li>• Built-in RAMDAC interface</li> <li>• 16 colors and 64-level gray scale</li> <li>• 64×64 hardware cursor</li> </ul>	QFP17-144pin
SPC8106F0C	<ul style="list-style-type: none"> <li>• 5.0V/3.3V operation</li> <li>• Applicable to 16-bit ISA bus</li> <li>• 256K×16 bits DRAM control</li> <li>• Built-in RAMDAC interface</li> <li>• 256 color and 64-level gray scale</li> <li>• 64×64 hardware cursor</li> </ul>	QFP17-144pin
SPC8110F0A	<ul style="list-style-type: none"> <li>• 5.0V/3.3V operation</li> <li>• 32-bit VL-bus/32-bit PCI-bus/32-bit 486D×33MHz Local-bus</li> <li>• Two 256K×16 bits DRAM control</li> <li>• Built-in 256×18 bits RAMDAC</li> <li>• 256K×16 bits DRAM control</li> <li>• Extended VGA 1024×768 256 color</li> <li>• Internal Hardware accelerator</li> </ul>	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