**Introduction**

Solomon Systech delivers High Voltage Driving IC solution for TFT LCD Monitor, TV and Notebook applications. This display IC solution includes LCD Source driver IC and Gate driver IC that supports numerous display resolutions. Our sophisticated design especially fits for 15.6 inch to 32 inch or larger displays.

**Applications:** LCD Monitor, TV, Notebook, etc.

**Features**
- Numerous output channel selection for different resolution application
- Support series of large TFT panel with 64 or 256 gray level RGB colors
- Support high driving voltage for wide-angle view
- Reduce electromagnetic radiation with suitable system and interface
- Use advanced process technology to save power consumption
- All drive IC applications support cascade mode application
- Small pad pitch allows a compact panel and lowers cost
- Support COF package

**Source Driver IC**
- Equip mini-LVDS input interface for low EMI and high speed data input
- Support gamma correction for different panel material
- Support Data and D+ line inversion for panel perceivable and color uniformity
- Support cascade mode with bi-direction shift control for different display resolution

**Gate Driver IC**
- Support high driving voltage operation for stable display color and wide view angle
- Support cascade mode for different panel system detection
- Support multiple pulses for pre-charge application on future large panel technology

### Product List

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Key Feature</th>
<th>Status</th>
<th>Datasheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSD3233</td>
<td>TFT LCD Source Driver, 720/690/684/642 outputs</td>
<td>720 outputs 6-bit RGB Mini-LVDS Source</td>
<td>Mass Production</td>
<td>REV 1.0</td>
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<tr>
<td>SSD3233A</td>
<td>TFT LCD Source Driver, 720/690/684/642 outputs</td>
<td>720 outputs 6-bit RGB Mini-LVDS Source</td>
<td>Sampling</td>
<td>REV 0.1</td>
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<td>SSD3239</td>
<td>TFT LCD Source Driver, 1026/966/960/900/846/840/804 outputs</td>
<td>1026 outputs 8-bit RGB Mini-LVDS Source</td>
<td>Under Development</td>
<td>REV 0.1</td>
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<td>SSD3236</td>
<td>TFT LCD Source Driver, 1026/966/960/940/935 outputs</td>
<td>1026 outputs 8-bit RGB Mini-LVDS Source</td>
<td>Under Development</td>
<td>REV 0.2</td>
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<tr>
<td>SSD3298</td>
<td>TFT LCD Gate Driver, 2-level, 300/270/267/257 outputs</td>
<td>VGG-VEE(Max.)=40V</td>
<td>Mass Production</td>
<td>REV 1.0</td>
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<tr>
<td>SSD3298A</td>
<td>TFT LCD Gate Driver, 2-level, 300/270/267/257 outputs</td>
<td>VGG-VEE(Max.)=40V</td>
<td>Sampling</td>
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<td>SSD3268</td>
<td>TFT LCD Gate Driver, 2-level, 272/262/258/242/202 outputs</td>
<td>VGG-VEE(Max.)=40V</td>
<td>Sampling</td>
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<tr>
<td>SSD3273</td>
<td>TFT LCD Gate Driver, 2-level, 400/384/360/350 Outputs</td>
<td>VGG-VEE(Max.)=40V</td>
<td>Under Development</td>
<td>REV 0.2</td>
</tr>
</tbody>
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**Application Diagram**

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