ISSI's NAND products complement Serial and Parallel NOR offerings from ISSI for the embedded market. ML(3.0V) Series and MW(1.8V) Series of SLC NAND will be available in densities of 1Gb, 2Gb, and 4Gb.

SLC NAND Flash memory is suited for performance oriented applications where high reliability is needed. SLC stores 1 bit of data per memory cell and offers fast read and write capabilities. These products work with systems requiring 1 bit or 4 bit ECC algorithms and offer 100K cycles of endurance with 10 years of retention.

The IS35ML/MW family is recommended for Automotive applications requiring AEC-Q100

### SLC NAND Features
- Supply Voltage
  - IS34/35 ML-Series: Vcc = 2.7V to 3.6V
  - IS34/35 MW-Series: Vcc = 1.7V to 1.95V
- Flexible x8 or x16 options
- Cost effective Uniform Blocks
- Typ Block Erase times of 3ms
- Automatic Read operations
- Hardware Data Protection
- 100K Program/Erase Cycles
- 10 year Data Retention
- Supports 1 or 4 bit ECC per 512Byte

### Temperature Grades
- Industrial Temp Grade [-40 to +85°C]
- Extended Temp Grade [-40 to +105°C]
- Automotive Grade A1 [-40 to +85°C]
- Automotive Grade A2 [-40 to +105°C]

### Industry Standard Packages
- 48-Pin TSOP
- 63 Pin (9x11 BGA)

### Applications
- Automotive infotainment
- Instrument Clusters
- ADAS
- Industrial meters
- Industrial sensors
- M2M
- POS Terminals
- Smart Metering
- Game Consoles
- Printers
- Digital Camera
- Digital TVs
- Set-top Boxes

### SLC NAND Flash

<table>
<thead>
<tr>
<th>Den</th>
<th>Part Number</th>
<th>Vcc</th>
<th>Ecc Requirement</th>
<th>Bus Width</th>
<th>Sequential Read Speed (ns)</th>
<th>Temp. Range</th>
<th>Package Type</th>
<th>Status</th>
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<td>IS34/35ML01G081</td>
<td>3.3V</td>
<td>1-bit</td>
<td>X8</td>
<td>25</td>
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Note: IS35ML/MW family of SLC NAND is AEC-Q100 qualified