

**nuvoTon**

# **W55FA92/95 SD and NAND Support List**



**Revision Date: 2018/01/15**

# SD Cards Support List

| Brand Name | Type      | Capacity | Test Result     |
|------------|-----------|----------|-----------------|
| A-DATA     | SD        | 1 GB     | Pass            |
| A-DATA     | SD        | 2GB      | Pass            |
| A-DATA     | SDHC      | 8GB      | Pass            |
| A-DATA     | MicroSDHC | 32GB     | Pass            |
| Apacer     | SD        | 128MB    | Pass            |
| Apacer     | SD        | 1GB      | Pass            |
| Apacer     | SD        | 2GB      | Pass            |
| Apacer     | SDHC      | 4GB      | Pass            |
| Apacer     | SDXC      | 64GB     | Pass (FAT only) |
| APOTOP     | SDHC      | 8GB      | Pass            |
| Gigaston   | SDHC      | 16GB     | Pass            |
| Kingmax    | SD        | 64MB     | Pass            |
| Kingston   | SD        | 128MB    | Pass            |

| Brand Name | Type    | Capacity | Test Result |
|------------|---------|----------|-------------|
| Kingston   | SD      | 1GB      | Pass        |
| Kingston   | MicroSD | 1GB      | Pass        |
| Kingston   | SD      | 2GB      | Pass        |
| Kingston   | SDHC    | 4GB      | Pass        |
| Kingston   | SDHC    | 8GB      | Pass        |
| Kingston   | SDHC    | 32GB     | Pass        |
| Mio        | SD      | 64MB     | Pass        |
| PQI        | SD      | 256MB    | Pass        |
| PRETEC     | SDHC    | 32GB     | Pass        |
| RiData     | SD      | 128MB    | Pass        |
| RiData     | SD      | 2GB      | Pass        |
| SanDisk    | SD      | 64MB     | Pass        |
| SanDisk    | SD      | 256MB    | Pass        |

# SD Cards Support List

| Brand Name | Type      | Capacity | Test Result |
|------------|-----------|----------|-------------|
| SanDisk    | SD        | 512MB    | Pass        |
| SanDisk    | MicroSD   | 1GB      | Pass        |
| SanDisk    | SD        | 2GB      | Pass        |
| SanDisk    | MicroSD   | 2GB      | Pass        |
| SanDisk    | SDHC      | 4GB      | Pass        |
| SanDisk    | MicroSDHC | 4GB      | Pass        |
| SanDisk    | MicroSDHC | 8GB      | Pass        |
| SONY       | SDHC      | 8GB      | Pass        |
| SP         | SDHC      | 16GB     | Pass        |
| TCELL      | SDHC      | 16GB     | Pass        |
| Toshiba    | SD        | 256MB    | Pass        |
| Toshiba    | MicroSD   | 1GB      | Pass        |
| Toshiba    | SDHC      | 8GB      | Pass        |

| Brand Name | Type    | Capacity | Test Result |
|------------|---------|----------|-------------|
| Toshiba    | SDHC    | 16GB     | Pass        |
| Transcend  | SD      | 256MB    | Pass        |
| Transcend  | SD      | 512MB    | Pass        |
| Transcend  | SD      | 1GB      | Pass        |
| Transcend  | SD      | 2GB      | Pass        |
| Transcend  | SDHC    | 4GB      | Pass        |
| Transcend  | MicroSD | 4GB      | Pass        |
| Transcend  | SDHC    | 8GB      | Pass        |
| Transcend  | SDHC    | 16GB     | Pass        |

# MMC Cards Support List

| Brand Name | Type                             | Capacity | Test Result |
|------------|----------------------------------|----------|-------------|
| Canon      | MMC Plus                         | 32MB     | Pass        |
| Kingston   | eMMC v4.41<br>(KE44B-26BN/4GB)   | 4GB      | Pass        |
| Skymedi    | eMMC v5.0<br>(SP18A4G75 1B-0003) | 4GB      | Pass        |
| Skymedi    | eMMC v5.0<br>(SP18A8G75 2B-0003) | 8GB      | Pass        |
| Transcend  | MMC Plus                         | 512MB    | Pass        |

# NAND Flash Support List

- ▶ Test Result
  - Pass :
    - Data Access: Pass the data access test
    - IBR Booting: Pass the IBR booting test that support less ECC bit
  - D/A : Datasheet Applicable
  - N/A : Not Applicable
- ▶ NAND flash brands that supported
  - Samsung, Hynix, Micron, Toshiba
  - ATO, Eon, ESMT, Maker Founder, Mira/Deutron, MXIC, Spansion, Winbond, Zentel

# NAND Flash ECC

- ▶ All NAND flash need Error Correction Code (ECC) to make sure the data reliability. You can found the ECC bit length requirement in NAND flash datasheet like below.

| FAILURE MODE |                                 | DETECTION AND COUNTERMEASURE SEQUENCE         |
|--------------|---------------------------------|---|
| Block        | Erase Failure                   | Status Read after Erase → Block Replacement   |
| Page         | Programming Failure             | Status Read after Program → Block Replacement |
| Single Bit   | Programming Failure<br>"1 to 0" | ECC   |

- ECC: Error Correction Code. 1 bit correction per 512 Bytes is necessary.

or

## DATA RETENTION

- 100,000 Program/Erase cycles  
(with 1 bit / 528 byte ECC)
- 10 years Data Retention

# NAND Flash ECC for Data Access

- ▶ FA92/95 support up to 24 bits ECC algorithm for data access
- ▶ FA92/95 NAND driver defined different ECC bit length for NAND flash according to page size.

| Page Size      | 512B                      | 2KB                       | 4KB   | 8KB                                |
|----------------|---------------------------|---------------------------|---|------------------------------------|
| ECC Bit Length | 4 bits per 512 bytes data | 8 bits per 512 bytes data | <ul style="list-style-type: none"><li>• <b>12</b> bits for 512 bytes data only for Hynix H27UAG8T2A</li><li>• <b>24</b> bit for 1024 bytes data only for Micron MT29F16G08CBACA and MT29F32G08CBACA</li><li>• <b>8</b> bits per 512 bytes data for others</li></ul> | <b>24</b> bits per 1024 bytes data |

# NAND Flash ECC for IBR Booting

- ▶ FA92/95 support up to 12 bits ECC algorithm for IBR booting
- ▶ FA92/95 IBR defined different ECC bit length for NAND flash according to page size.

| Page Size      | 512B                      | 2KB                       | 4KB                       | 8KB                         |
|----------------|---------------------------|---------------------------|---------------------------|-----------------------------|
| ECC Bit Length | 4 bits per 512 bytes data | 4 bits per 512 bytes data | 8 bits per 512 bytes data | 12 bits per 1024 bytes data |



# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Samsung      | K9F5608B0D  | SLC  |           | 32MB     |                            |                            |
|              | K9F5608R0D  | SLC  |           | 32MB     |                            |                            |
|              | K9F5608U0D  | SLC  | 512 + 16  | 32MB     | Pass                       | Pass                       |
|              | K9F1208B0C  | SLC  |           | 64MB     |                            |                            |
|              | K9F1208R0C  | SLC  |           | 64MB     |                            |                            |
|              | K9F1208U0C  | SLC  | 512 + 16  | 64MB     | Pass                       | Pass                       |
|              | K9F1G08R0B  | SLC  |           | 128MB    |                            |                            |
|              | K9F1G08U0B  | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | K9F1G08U0D  | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | K9F1G08U0E  | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              | K9F1G08U0F  | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | K9F2G08R0A  | SLC  |           | 256MB    |                            |                            |
|              | K9F2G08U0A  | SLC  |           | 256MB    |                            |                            |
|              | K9F2G08U0B  | SLC  | 2K + 64   | 256MB    | Pass                       | Pass                       |
|              | K9F2G08U0D  | SLC  | 2K + 64   | 256MB    | D/A                        | D/A                        |
|              |             |      |           |          |                            |                            |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Samsung      | K9G2G08B0M  | MLC  |           | 256MB    |                            |                            |
|              | K9G2G08U0M  | MLC  |           | 256MB    |                            |                            |
|              | K9F4G08U0A  | SLC  |           | 512MB    | D/A                        | D/A                        |
|              | K9F4G08U0B  | SLC  |           | 512MB    |                            |                            |
|              | K9F4G08U0F  | SLC  | 2K + 64   | 512MB    | D/A                        | D/A                        |
|              | K9WAG08U1D  | SLC  | 2K + 64   | 512MB    | Pass                       | Pass                       |
|              | K9G4G08B0A  | MLC  |           | 512MB    |                            |                            |
|              | K9F8G08B0M  | SLC  |           | 1GB      |                            |                            |
|              | K9F8G08U0M  | SLC  |           | 1GB      |                            |                            |
|              | K9K8G08U0A  | SLC  |           | 1GB      |                            |                            |
|              | K9K8G08U0F  | SLC  | 2K + 64   | 1GB      | D/A                        | D/A                        |
|              | K9K8G08U1A  | SLC  |           | 1GB      |                            |                            |
|              | K9G8G08B0A  | MLC  |           | 1GB      |                            |                            |
|              | K9G8G08U0A  | MLC  | 2K + 64   | 1GB      | Pass                       | N/A (MLC)                  |
|              | K9G8G08U0M  | MLC  | 2K + 64   | 1GB      | Pass                       | N/A (MLC)                  |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Samsung      | K9KAG08U0M  | SLC  |           | 2GB      |                            |                            |
|              | K9KAG08U1M  | SLC  |           | 2GB      |                            |                            |
|              | K9WAG08U1A  | SLC  |           | 2GB      |                            |                            |
|              | K9GAG08U0E  | MLC  | 8K + 436  | 2GB      | D/A                        | N/A (ECC 24)               |
|              | K9GAG08U0M  | MLC  |           | 2GB      |                            |                            |
|              | K9HBG08U1M  | MLC  | 2K + 64   | 2GB      | Pass                       | N/A (MLC)                  |
|              | K9HCG08U1E  | MLC  | 8K + 436  | 2GB      | D/A                        | N/A (MLC)                  |
|              | K9LBG08U0E  | MLC  | 8K + 436  | 2GB      | D/A                        | N/A (MLC)                  |
|              | K9NBG08U5A  | SLC  |           | 4GB      |                            |                            |
|              | K9WBG08U1M  | SLC  |           | 4GB      |                            |                            |
|              | K9LBG08U0M  | MLC  |           | 4GB      |                            |                            |
|              | K9LBG08U1M  | MLC  |           | 4GB      |                            |                            |
|              | K9NCG08U5M  | SLC  |           | 8GB      |                            |                            |
|              | K9HCG08U1M  | MLC  |           | 8GB      |                            |                            |
|              | K9MDG08U5M  | MLC  |           | 16GB     |                            |                            |

# NAND Flash Support List

| Manufacturer | Part Number  | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|--------------|------|-----------|----------|----------------------------|----------------------------|
| Hynix        | HY27US08281A | SLC  | 512       | 16MB     |                            |                            |
|              | HY27US08561A | SLC  | 512       | 32MB     |                            |                            |
|              | H27U518S2CTP | SLC  | 512       | 64MB     | Pass                       | Pass                       |
|              | HY27US08121A | SLC  | 512       | 64MB     | D/A                        | D/A                        |
|              | HY27US08121B | SLC  | 512       | 64MB     |                            |                            |
|              | HY27US08121M | SLC  | 512       | 64MB     | D/A                        | D/A                        |
|              | HY27US16121B | SLC  | 512       | 64MB     |                            |                            |
|              | H27US1G8S2A  | SLC  | 512       | 128MB    |                            |                            |
|              | HY27US081G1M | SLC  | 512       | 128MB    |                            |                            |
|              | HY27US161G1M | SLC  | 512       | 128MB    |                            |                            |
|              | HY27SF081G2A | SLC  | 2K        | 128MB    |                            |                            |
|              | HY27SF161G2A | SLC  | 2K        | 128MB    |                            |                            |
|              | HY27UF161G2A | SLC  | 2K        | 128MB    |                            |                            |
|              | H27U1G8F2BTR | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | HY27UF081G2A | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |

# NAND Flash Support List

| Manufacturer | Part Number  | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|--------------|------|-----------|----------|----------------------------|----------------------------|
| Hynix        | HY27SF082G2B | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27SF162G2B | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27UF082G2A | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27UF082G2B | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27UF162G2A | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27UF162G2B | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27UF162G5A | SLC  | 2K        | 256MB    |                            |                            |
|              | HY27UF084G2M | SLC  | 2K        | 512MB    |                            |                            |
|              | HY27UF084G2B | SLC  | 2K        | 512MB    | Pass                       | Pass                       |
|              | HY27UF164G2B | SLC  | 2K        | 512MB    |                            |                            |
|              | HY27UT084G2A | MLC  | 2K + 64   | 512MB    | Pass                       | N/A (MLC)                  |

# NAND Flash Support List

| Manufacturer | Part Number  | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|--------------|------|-----------|----------|----------------------------|----------------------------|
| Hynix        | HY27UG088G5B | SLC  | 2K        | 1GB      |                            |                            |
|              | HY27UG088G5M | SLC  | 2K        | 1GB      |                            |                            |
|              | HY27UG088GDB | SLC  |           | 1GB      |                            |                            |
|              | HY27UG088GDM | SLC  | 2K        | 1GB      |                            |                            |
|              | HY27UH08AG5B | SLC  |           | 2GB      |                            |                            |
|              | HY27UH08AG5M | SLC  |           | 2GB      |                            |                            |
|              | H27UAG8T2A   | MLC  | 4K + 224  | 2GB      | Pass                       | N/A (ECC 12)               |
|              | H27UAG8T2B   | MLC  | 8K + 448  | 2GB      | Pass                       | N/A (ECC 24)               |
|              | HY27UK08BGFM | SLC  | 2K + 64   | 4GB      | D/A                        | D/A                        |
|              | H27UBG8T2A   | MLC  | 8K + 448  | 4GB      | D/A                        | N/A (ECC 24)               |
|              | H27UBG8T2BTR | MLC  | 8K + 640  | 4GB      | N/A (ECC 40)               | N/A (ECC 40)               |
|              | H27UBG8T2CTR | MLC  | 8K + 640  | 4GB      | N/A (ECC 40)               | N/A (ECC 40)               |

# NAND Flash Support List

| Manufacturer | Part Number  | Type | Page Size  | Capacity | Test Result<br>Data Access  | Test Result<br>IBR Booting  |
|--------------|--------------|------|------------|----------|-----------------------------|-----------------------------|
| Hynix        | H27UCG8T2ATR | MLC  | 8K + 640   | 8GB      | N/A (ECC 40)                | N/A (ECC 40)                |
|              | H27UCG8T2BTR | MLC  | 16K + 1280 | 8GB      | N/A (ECC 40 &<br>16KB page) | N/A (ECC 40 &<br>16KB page) |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |
|              |              |      |            |          |                             |                             |

# NAND Flash Support List

| Manufacturer | Part Number     | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-----------------|------|-----------|----------|----------------------------|----------------------------|
| Micron       | MT29F1G08ABxDA  | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              | MT29F2G08ABAEA  | SLC  | 2K + 64   | 256MB    | D/A                        | D/A                        |
|              | MT29F16G08CBABx | MLC  | 4K + 224  | 2GB      | D/A                        | N/A (MLC)                  |
|              | MT29F16G08CBACA | MLC  | 4K + 224  | 2GB      | Pass                       | N/A (ECC 24)               |
|              | MT29F32G08CBACA | MLC  | 4K + 224  | 4GB      | Pass                       | N/A (ECC 24)               |



# NAND Flash Support List

| Manufacturer | Part Number     | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-----------------|------|-----------|----------|----------------------------|----------------------------|
| Toshiba      | TC58BVG0S3HTA00 | SLC  | 2K + 64   | 128MB    | Pass                       | N/A (ECC 8)                |
|              | TC58DVG02D5TA00 | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              | TC58NVG0S3ETA00 | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              | TC58NVG0S3ETA0B | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | TC58NVG0S3HTA00 | SLC  | 2K + 64   | 128MB    | Pass                       | N/A (ECC 8)                |
|              | TC58NVG1S3ETA00 | SLC  | 2K + 64   | 256MB    | Pass                       | Pass                       |
|              | TC58NVG1S3HTA00 | SLC  | 2K + 128  | 256MB    | Pass                       | N/A (ECC 8)                |
|              | TC58NVG2S0HTA00 | SLC  | 4K + 256  | 512MB    | D/A                        | D/A                        |
|              | TC58DVG3S0ETA00 | SLC  | 4K + 128  | 1GB      | Pass                       | Pass                       |
|              | TC58NVG3S0FTA00 | SLC  | 4K + 232  | 1GB      | Pass                       | Pass                       |
|              | TC58NVG3D1DTG00 | MLC  | 4K + 218  | 1GB      | Pass                       | N/A (MLC)                  |
|              | TC58NVG4D2FTA00 | MLC  | 8K + 448  | 2GB      | Pass                       | N/A (ECC 24)               |
|              | TH58NVG4S0FTA20 |      | 4K + 232  | 2GB      | N/A (2 busy pins)          | N/A (2 busy pins)          |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| ATO          | AFND1G08U3  | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              |             |      |           |          |                            |                            |
|              |             |      |           |          |                            |                            |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Eon          | EN27LN1G08  | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | EN27LN2G08  | SLC  | 2K + 64   | 256MB    | Pass                       | Pass                       |
|              | EN27LN4G08  | SLC  | 2K + 64   | 512MB    | Pass                       | Pass                       |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| ESMT         | F59L1G81A   | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | F59L1G81LA  | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              | F59L2G81A   | SLC  | 2K + 64   | 256MB    | Pass                       | Pass                       |
|              | F59L4G81A   | SLC  | 2K + 64   | 512MB    | D/A                        | D/A                        |

# NAND Flash Support List

| Manufacturer  | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|---------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Maker Founder | MP4G08KAA   | SLC  | 2K + 64   | 512MB    | D/A                        | D/A                        |
|               | MP4G08JAA   | SLC  | 4K + 256  | 512MB    | D/A                        | D/A                        |
|               | MP8G08KAA   | SLC  | 2K + 64   | 1GB      | D/A                        | D/A                        |
|               |             |      |           |          |                            |                            |
|               |             |      |           |          |                            |                            |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Mira/Deutron | PSU12A30BT  | SLC  | 2K + 64   | 64MB     | D/A                        | D/A                        |
|              | PSU1GA30HT  | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |

# NAND Flash Support List

| Manufacturer | Part Number  | Type | Page Size | Capacity | Test Result<br>Data Access          | Test Result<br>IBR Booting          |
|--------------|--------------|------|-----------|----------|-------------------------------------|-------------------------------------|
| MXIC         | MX30LF1208AA | SLC  | 2K + 64   | 64MB     | Pass                                | Pass                                |
|              | MX30LF1G08AA | SLC  | 2K + 64   | 128MB    | Pass                                | Pass                                |
|              | MX30LF1G18AC | SLC  | 2K + 64   | 128MB    | Pass                                | Pass                                |
|              | MX30LF1GE8AB | SLC  | 2K + 64   | 128MB    | N/A (conflict with<br>built-in ECC) | N/A (conflict with<br>built-in ECC) |
|              | MX60LF8G18AC | SLC  | 2k + 64   | 1GB      | Pass (must<br>floating pin #38)     | Pass (must<br>floating pin #38)     |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Spansion     | S34ML01G1   | SLC  | 2K + 64   | 128MB    | D/A                        | D/A                        |
|              | S34ML01G2   | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | S34ML02G1   | SLC  | 2K + 64   | 256MB    | D/A                        | D/A                        |
|              | S34ML02G2   | SLC  | 2K + 128  | 256MB    | D/A                        | D/A                        |
|              | S34ML04G1   | SLC  | 2K + 64   | 512MB    | D/A                        | D/A                        |
|              | S34ML04G2   | SLC  | 2K + 128  | 512MB    | D/A                        | D/A                        |



# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Winbond      | W29N01GV    | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | W29N01HV    | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |

# NAND Flash Support List

| Manufacturer | Part Number | Type | Page Size | Capacity | Test Result<br>Data Access | Test Result<br>IBR Booting |
|--------------|-------------|------|-----------|----------|----------------------------|----------------------------|
| Zentel       | A5U1GA31ATS | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | A5U1GA31BTS | SLC  | 2K + 64   | 128MB    | Pass                       | Pass                       |
|              | A5U2GA31BTS | SLC  | 2K + 64   | 256MB    | Pass                       | Pass                       |
|              | A5U4GA31ATS | SLC  | 2K + 64   | 512MB    | Pass                       | Pass                       |