ISSI DDR3 Product Features:
- Operating voltage of 1.5V
- Bidirectional differential data strobe
- Burst length of 8
- Programmable CAS Latency
- Auto-Refresh and Self-Refresh Modes
- OCD (Driver Adjustment)
- ODT (On Die Termination) supported
- Write Leveling
- Packages: 96-ball BGA for x16, 78-ball BGA for x8
- Long-term support

ECC Features:
- 1 bit error detect and correct (per 64-bits)
- No algorithm or additional I/O required
- Saves board space
- Reduction of error rate
- Supports up to 125°C operating temperature

Applications:
- Industrial
- Networking
- Storage
- Controls
- HMI
- Automotive
- ISO26262 functional safety-related systems (camera, radar, lidar, etc.)
- Many other Hi-Rel applications

ISSI DDR3 Ordering Options

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<tbody>
<tr>
<td>1G</td>
<td>DDR3-1333, 1600</td>
<td>IS46TR16640ED</td>
<td>64M x 16</td>
<td>BGA[96]</td>
<td>-15HBLA1, -15HBLA2, -15HBLA3, -125KBLA1, -125KBLA2, -125ABLA3</td>
<td>S=NOW</td>
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<td>DDR3-1333, 1600</td>
<td>IS46TR81280ED</td>
<td>128M x 8</td>
<td>BGA[78]</td>
<td>-125KBLA1, -125BLA2, -125KBLA3</td>
<td>S=NOW</td>
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</tbody>
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Notes:
1. Automotive grade DDR3 part numbers begin with “IS46TR”.
2. S = Samples, Prod = Production