



DDR3 SDRAM

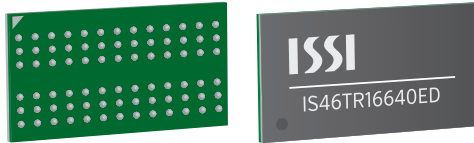
With Error Correcting Code (ECC)

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

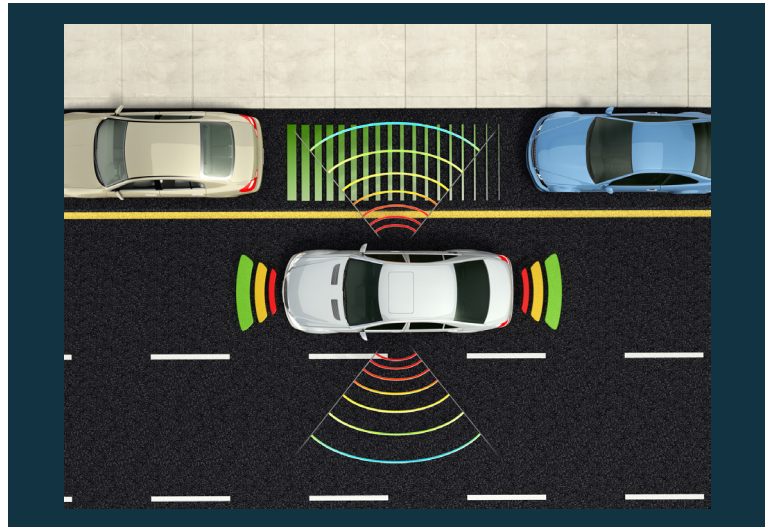
ECC Features:

- 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

Den.	Speeds	Part No.	Org.	Pkg.	Ordering Options	Status
1G	DDR3-1333, 1600	IS46TR16640ED	64M x 16	BGA[96]	-15HBLA1, -15HBLA2, -15HBLA3, -125KBLA1, -125KBLA2, -125ABLA3	S=NOW
	DDR3-1333, 1600	IS46TR81280ED	128M x 8	BGA[78]	-125KBLA1, -125BLA2, -125KBLA3	S=NOW

Notes:
 1. Automotive grade DDR3 part numbers begin with "IS46TR".
 2. S = Samples, Prod = Production