



Long-Term Support
World Class Quality

DDR3 SDRAM

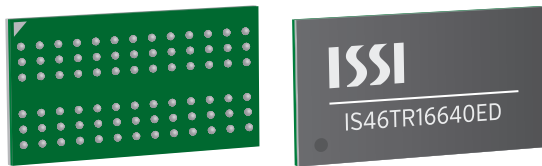
With Error Correcting Code (ECC)

ISSI DDR3 Product Features:

- Operating voltage of 1.35V or 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

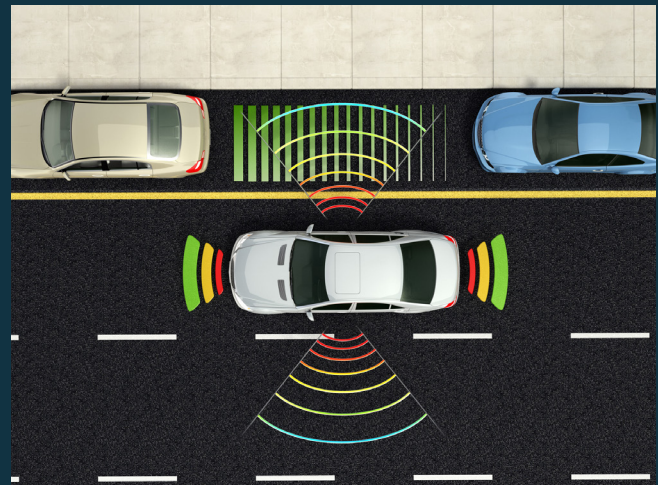
ECC Features:

- Error detect and correct
- No algorithm or additional I/O required
- Saves board space
- Reduction of error rate
- Supports up to 115°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.	Voltage	Org.	Pkg.	Ordering Options	Status
1G	DDR3-1333, 1600	IS46TR16640ED	1.5V	64M x 16	BGA[96]	-15HBLA1, -15HBLA2, -15HBLA3, -125KBLA1, -125KBLA2, -125KBLA3	Prod
	DDR3-1333, 1600	IS46TR81280ED	1.5V	128M x 8	BGA[78]	-125KBLA1, -125KBLA2, -125KBLA3	Prod
4G	DDR3-1333, 1600, 1866	IS46TR16256EC[L]	1.35V or 1.5V	256M x 16	BGA[96]	-15HBLA1, -15HBLA2, -125KBLA1, -125KBLA2, -125KBLA25, -107MBLA1, -107MBLA2	Prod
	DDR3-1333, 1600, 1866	IS46TR85120EC[L]	1.35V or 1.5V	512M x 8	BGA[78]	-15HBLA1, -15HBLA2, -125KBLA1, -125KBLA2, -125KBLA25, -107MBLA1, -107MBLA2	Prod

Notes:
1. Industrial grade DDR3 part numbers begin with "IS43TR", and end with "BLI".
2. S = Samples, Prod = Production
3. A1 = -40°C to +95°C, A2 = -40°C to +105°C, A25 = -40°C to +115°C, A3 = -40°C to +125°C