



Long-term Support
World Class Quality

Long-Term Automotive Support

Automotive Market Support:

- ISSI is the Leading Innovator in Automotive Memories
- Long-term support and high quality leads to lower total cost of ownership
- The most complete line of Automotive Memories [SRAM, DRAM, Flash] of any supplier
- The most cost effective Automotive LED drivers
- Cost Effective Vehicle Networking Technology
- Proven Long-Term support for Automotive products
- Automotive temperature ranges:
-40°C to +85°C, -40°C to +105°C, -40°C to +115°C, -40°C to +125°C
- Quality:
 - ISSI is ISO 9001:2000 certified
 - Subcons are ISO/TS16949 certified
 - Products satisfy AEC-Q100
- Cost-effective and highest quality products possible
- Leading memory supplier for over 30 years

ISSI Memory with Built-in ECC:

We offer Flash, SRAM, and DRAM with on-chip ECC (Error Correcting Code). These products offer the advantage of greatly enhancing data robustness and quality, yet they also simplify system design, save power, and reduce the memory footprint on the board. It is a good fit for systems because they're backward compatible with standard memory. Safety is one of the top concerns today for automotive electronics, and by using ISSI memory with on-chip ECC, it helps automotive system designers to achieve the functional safety requirements defined by ISO 26262.

Applications:

- Infotainment
- Telematics
- Cluster/Driver Information Systems
- Navigation Systems
- Satellite Radio
- Night Vision Systems
- Engine Control
- Transmission Control
- ADAS/Camera, Radar, & Lidar Safety Systems
- Vehicle Networking
- e-Call
- And many more!

Memory with ECC

Enhanced Data Reliability

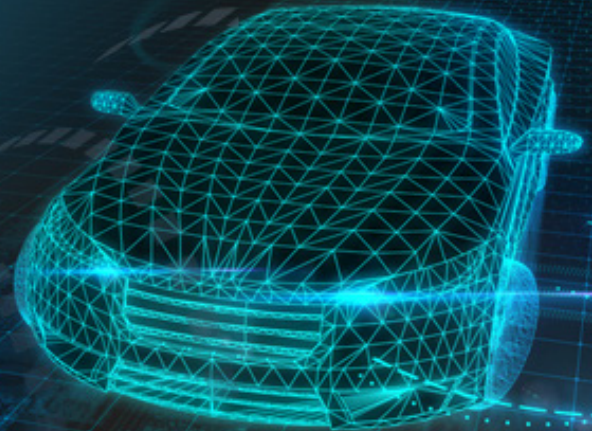
✓ DRAM

✓ FLASH

✓ SRAM

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A Leader in ECC Memory Solutions





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Automotive Temperature Grade Choices

	A1 [-40C to 85C/95C]	A2 [-40C to 105C]	A25 [-40C to 115C]	A3 [-40C to 125C]
SRAM	✓			✓
DRAM	✓	✓	✓	✓
Flash	✓	✓		✓



Popular Memory Choices

	SRAM	DRAM	Serial NOR FLASH	Parallel NOR FLASH	eMMC FLASH
Telematics	1Mb-4Mb SRAM, 32M-64M PSRAM	64Mbit-256Mb SDR, 256Mb DDR-I, 256Mb-1Gb DDR-II, 2Gb-4Gb DDR3	8Mb-512Mb		4G/8G/16G/32G
Infotainment	1Mb-4Mb	16Mb-256Mb SDR and DDR-I, 512Mb-1Gb DDR2, 1Gb-8Gb DDR3, 4/8/16/24G LPDDR4	16Mb-512Mb	32Mb-1Gb	4G/8G/16G/32G
Satellite Radio		128Mb-256Mb SDR, 512Mb mDDR, 512Mb-1Gb DDR2, 1Gb-2Gb DDR3	32Mb-64Mb	32Mb	
Engine Control	Async: 256Kb-4Mb Sync: 4Mb-8Mb	1G DDR3		4Mb-32Mb	
Cluster/ Center Stack Displays	1Mb	64Mb-256Mb SDR, 256Mb DDR, 512Mb-1Gb DDR2, 1Gb-2Gb DDR3	32Mbit-512Mbit	16Mb-512Mb	4G/8G
Body Electronics	1Mb	64Mb-256Mb SDR, 256M-1Gb DDR2	2Mb-16Mb	2Mb-64Mb	4G
Safety Systems (ADAS)	1Mb	16Mb-256Mb SDR, 256Mb-512Mb mDDR, 256Mb-1Gb DDR2, 256Mb-2Gb LPDDR2, 1Gb DDR3, 4Gb LPDDR4	32Mb-512Mb	32Mb-64Mb	