



Automotive Memory Solutions

Our Support for the Automotive Market

- **Leading Supplier**
 - A leading supplier to the Automotive market for over 20 years

- **Most Complete Line of Automotive Memories**
 - The most complete line of Automotive Memories (SRAM, DRAM, Flash) of any supplier

- **Long-term Support**
 - A commitment to long-term support and high-quality leads to lower total cost of ownership

- **Automotive Temperature Ranges**
 - -40°C to 85°C/95°C
 - -40°C to 105°C
 - -40°C to 115°C
 - -40°C to 125°C

- **Automotive Grade Quality**
 - PPAP Available
 - ISSI is ISO 9001:2000 certified
 - Manufacturing sites ISO/TS16949 certified
 - Products satisfy AEC-Q100

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



Automotive Temperature Grade Choices

	A1 Temp. [-40°C to 85°C/95°C]	A2 Temp. [-40°C to 105°C]	A25 Temp. [-40°C to 115°C]	A3 Temp. [-40°C to 125°C]
SRAM	■			■
DRAM	■	■	■	■
Flash	■	■		■



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Popular Memory Choices

	SRAM	DRAM	Serial NOR FLASH	Parallel NOR FLASH	eMMC FLASH
Telematics	1Mb-4Mb SRAM	128Mb-512Mb SDR, 512Mb-1Gb DDR2, 1Gb-4Gb DDR3, 2Gb-8Gb LPDDR4/4X	8Mb- 1Gb		8GB/16GB/32GB /64GB
Infotainment	32Mb-512Mb PSRAM	128Mb-512Mb SDR, 512Mb-2Gb DDR2, 1Gb-8Gb DDR3, 4Gb-8Gb LPDDR4/4X	32Mb- 1Gb	64Mb-1Gb	8GB/16GB/32GB /64GB /128GB /256GB
Satellite Radio	1Mb-4Mb	128Mb-256Mb SDR, 1Gb-2Gb DDR2, 1Gb-8Gb DDR3	32Mb-128Mb		
Engine Control		1Gb DDR3, 128Mb SDRAM	32Mb-256Mb		
Cluster/Center Stack Displays	Asynchronous: 256Kb-4Mb	256Mb-512Mb SDR, 2Gb-4Gb DDR3, 2Gb-8Gb LPDDR4/4X	32Mb-1Gb	64Mb-2Gb	8GB/16G/32GB /64GB/ 128GB /256GB
Body Electronics	Synchronous: 4Mb-8Mb		4Mb-64Mb	128Mb-1Gb	8GB/16GB
Safety Systems (ADAS)	1Mb SRAM	16Mb-256Mb SDR, 512Mb-1Gb DDR2, 1Gb-8Gb DDR3, 4Gb DDR4, 512Mb-2Gb LPDDR, 1Gb-2Gb LPDDR2, 2Gb-8Gb LPDDR4/4X	32Mb-1Gb	64Mb-2Gb	8GB/16GB/32GB /64GB/128GB

ISSI Memory with Built-in ECC

In addition to our standard offering of memory, we also support 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.