



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
- ISSI pioneered 115°C temperature support
- The most complete line of Automotive SRAM, DRAM and Flash of any supplier
- 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 meet or exceed AEC-Q100
- Cost-effective and highest quality products possible
- Leading memory supplier for over 25 years

## DDR3 SDRAM Automotive with ECC:

- Supports features for ISO26262
- Internal Error Correcting Code prevents bit errors
- Bidirectional differential data strobe
- Programmable burst length
- 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

## Applications:

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



**Your Partner  
for the Long Drive**



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## Popular Memory Choices

	Async SRAM	Sync SRAM	DRAM	Serial NOR FLASH (SPI) Parallel NOR FLASH	e.MMC FLASH
<b>Telematics</b>	1Mb-4Mb		64Mb-256Mb SDR 256Mb DDR 256Mb-1Gb DDR2 2Gb-4Gb DDR3	SPI: 8Mb-256Mb	4GB/8GB/16GB/32GB
<b>Infotainment</b>	1Mb-4Mb		16Mb-256Mb SDR 16Mb-256Mb DDR 512Mb-1Gb DDR2 1Gb-8Gb DDR3	SPI: 16Mb-512Mb Parallel: 32Mb-1Gb	4GB/8GB/16GB/32GB
<b>Satellite Radio</b>	4Mb		128Mb-256Mb SDR 512Mb mDDR 512Mb-1Gb DDR2 1Gb-2Gb DDR3	SPI: 32Mb-64Mb	
<b>Engine Control</b>	256Kb-4Mb	4Mb-8Mb		Parallel: 4Mb-128Mb	
<b>Cluster/Center Stack Displays</b>	1Mb	4Mb	64Mb-256Mb SDR 256Mb DDR 512Mb-1Gb DDR2 1Gb-2Gb DDR3	SPI: 32Mb-512Mb Parallel: 16Mb-128Mb	4GB/8GB
<b>Body Electronics</b>	1Mb	4Mb	64Mb-256Mb SDR 256M-1Gb DDR2	SPI: 2Mb-16Mb Parallel: 2Mb-64Mb	4GB
<b>Safety Systems</b>	1Mb		16Mb-256Mb SDR 256Mb-512Mb mDDR 256Mb-1Gb DDR2 256Mb-2Gb LPDDR2 2Gb LPDDR3	SPI: 32Mb-512Mb Parallel: 32Mb-64Mb	

## Popular Analog Choices

	LCD Backlight	HBLED	FxLED	Audio	DC/DC
<b>Telematics</b>	IS32BL3556			IS32AP2120	IS32PM3413 IS32PM3415
<b>Infotainment</b>	IS32BL3556		IS32FL3738 IS32FL3740	IS32AP2120	IS32PM3413 IS32PM3415
<b>Cluster/Center Stack Displays</b>	IS32BL3556		IS32FL3738 IS32FL3740		IS32PM3413 IS32PM3415
<b>Body Electronics</b>		IS32LT3120 IS32LT3124 IS32LT3125 IS32LT3126 IS32LT3172 IS32LT3173 IS32LT3174 IS32LT3175 IS32LT3181	IS32FL3738 IS32FL3740		IS32PM3413 IS32PM3415
<b>Safety Systems</b>		IS32LT3952 IS32LT3953 IS32LT3954 IS32LT3957			IS32PM3413 IS32PM3415