

Enhanced Memory Solutions

Quality, Extended Temperature, Long-Term Support



Industrial | Medical | Military-Aerospace



INTEGRATED SILICON SOLUTION, INC.



► DRAM PRODUCT LINE

Strategy: Provide complete portfolio of low-to-medium density and low power DRAMs

- Long-term support for all ISSI DRAMs: 7-10 years typical
- SDRAM in all densities up to 512Mb, including x32 products (SDR, DDR, DDR2)
- Mobile DRAMs for SDR and DDR families for power sensitive application
- EDO/FP Asynchronous DRAM: 3.3V and 5V
- Ind. (-40°C to +85°C) and Auto. (-40°C to +105°C) temperatures
- Copper leadframe for enhanced reliability at extreme temperature
- Leaded BGA support
- Provide Known Good Die (KGD) solutions

► SRAM PRODUCT LINE

Strategy: Provide complete portfolio of Asynchronous and Synchronous SRAMs

- Long-term support for all ISSI SRAMs: 7-10 years typical
- Legacy Asynchronous SRAMs:
64Kb-8Mb, including 5V options
- High Speed Asynchronous SRAMs:
1Mb-16Mb, x8, x16, x32 options
- Low Power Asynchronous SRAMs:
1Mb-8Mb, Ultra-Low Power
- Pseudo SRAMs:
4Mb-64Mb, PSRAM and CRAM options
- Synchronous SRAMs:
Up to 72Mb, with QDRII options
- Ind. (-40°C to +85°C) and Auto. (-40°C to +125°C) temperatures
- Provide wafer level (die) solutions

DRAM Portfolio

	4Mb	16Mb	32Mb	64Mb	128Mb	256Mb	512Mb	1Gb	2Gb
5V EDO/FP	●	●							
3.3V EDO/FP	●	●							
3.3V SDR Sync.		●		●	●	●	●		
1.8V and 2.5V SDR Sync.		●		●			●		
1.8V/2.5V/3.3V Mobile SDR Sync.		●	●	●	●	●	●		
2.5V DDR				●	●	●	●		
1.8V Mobile DDR			●	●	●	●	●		
DDR2						●	●	●	●
DDR3								●	●

SRAM Portfolio

	64Kb	256Kb	512Kb	1Mb	2Mb	3Mb	4Mb	8Mb	16Mb	36Mb	72Mb	144Mb
5V	●	●	●	●			●	●				
High Speed Async.		●	●	●	●	●	●	●	●			
Ultra Low Power		●		●	●		●	●	●			
Pseudo SRAMS							●	●	●	● ⁽³⁾	● ⁽⁴⁾	
Std./ No-Wait (ZBT) Sync.					●		●	●	●	●	●	
QUAD ⁽¹⁾									●	●	●	●
DDRII									●	●	●	●
QUADP/DDR-IIP ⁽²⁾									●	●	●	●

Notes:

1. QUAD - Compatible to QDR-II™
2. QUADP/DDR-IIP - (Compatible to QDR-II+™)
3. PSRAM = 32Mb
4. PSRAM = 64Mb

Status	●	Production/Sampling	●	In Development/Planning
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About ISSI

Quality and Reliability

ISSI is a fables semiconductor company that designs and markets specialty memory products for high reliability, extended temperature applications for industrial, medical and military-aerospace applications. Quality and reliability are of the utmost importance for the equipment manufactured in the industrial/medical/hi-rel market segments. At ISSI, excellent quality and reliability are designed in, not just tested-in. The emphasis on quality and reliability starts at the earliest point of product design and continues at every step, right through to customer shipment. ISSI is ISO9001:2000 certified, all foundry partners are ISO/TS16949 certified, and our subcons are ISO/QS9000 compliant.

Extended Temperature

The equipment in the industrial/medical/hi-rel market segment is often exposed to extended temperatures. At ISSI our memory products are designed and 100% tested to meet these extended temperatures. ISSI supports test flows targeted to meet the stringent application demands. In addition we provide product in die (or wafer) form and have value added die distributor partners who can support even more extreme operating conditions.

Long-Term Product Support

The extended design, manufacturing and support requirements of the industrial/medical/hi-rel market segments requires suppliers that provide products with equally long product life cycles. At ISSI long-term product support of our memory product lines is a very important part of what we do. You can be confident that ISSI will provide and support your memory needs through the life cycle of your product.

At ISSI we have a wide range of DRAM, SRAM and PSRAMs with the quality and reliability, extended temperature ranges, and the long-term support necessary to support the needs of this market segment.

ISSI Sales Offices

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