

ISSI SRAM, DRAM, and Serial EEPROMS

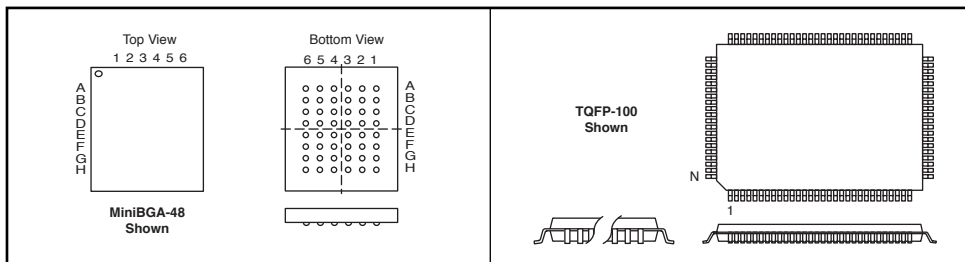
Integrated Silicon Solution, Inc. (ISSI), a technology leader, designs, develops and markets high performance integrated circuits for the following key markets: digital consumer electronics, networking, mobile communications and automotive electronics. Their primary products are high speed and low power SRAM and low & medium density DRAM. They also design and market EEPROM and Smartcards and are developing selected non-memory products focused on their key markets. They target high growth markets with low cost, high quality semiconductor products and seek to build long-term relationships with their customers. They have been a committed long-term supplier of memory products, including lower density and smaller volume products, even through periods of tight manufacturing capacity.

ISSI STATIC RAMS, SURFACE MOUNT

Asynchronous SRAM is an electronic logic circuit in which logical operations are not performed under the control of a clock signal with the result that logic transitions do not occur (nominally) simultaneously. In Asynchronous SRAMs, transitions may follow one another with minimum delay but at some cost in circuit complexity and risk of incorrect operation. Synchronous SRAM is an electronic logic circuit to which logical operations are performed under the control of and hence in synchronism with an externally generated clock signal.



RoHS Compliant
* Unless otherwise noted



Asynchronous SRAM

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	RoHS * Compliant	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each					
									1	25	100	500		
Low Power														
870-IS62C256AL-45ULI	IS62C256AL-45ULI	Yes	SOP-28	256K	32K x 8	45	- 40 to + 85	5	1.34	1.21	1.07	.94		
870IS62C1024AL35QLI	IS62C1024AL-35QLI	Yes	SOP-32	1M	128K x 8	35	- 40 to + 85	5	2.60	2.34	2.08	1.82		
High Speed / Low Power														
870-IS61LV256AL10JLI	IS61LV256AL-10JLI	Yes	SOJ-28	256K	32K x 8	10	- 40 to + 85	3.3	1.34	1.21	1.07	.94		
870-IS61LV6416-10TL	IS61LV6416-10TL	Yes	TSOP-44	1M	64K x 16	10	0 to 70	3.3	2.54	2.29	2.03	1.78		
870-IS63LV1024L-12JL	IS63LV1024L-12JL	Yes	SOJ-32	1M	128K x 8	12	0 to 70	3.3	2.62	2.36	2.10	1.83		
870IS61LV12816L10TL	IS61LV12816L-10TL	Yes	TSOP-44	2M	128K x 8	10	0 to 70	3.3	4.96	4.46	3.97	3.47		
870IS61LV25616AL10TL	IS61LV25616AL-10TL	Yes	TSOP-44	4M	256K x 16	10	0 to 70	3.3	5.28	4.75	4.22	3.70		
PowerSaver™ Low Power														
870IS62LV256AL45TLI	IS62LV256AL-45TLI	Yes	TSOP-28	256K	32K x 8	45	0 to 70	3.3	1.34	1.21	1.07	.94		
87062WV1288BLL55HLI	IS62WV1288BLL-55HLI	Yes	sTSOP-32	1M	128K x 8	55	- 40 to + 85	1.65 - 3.6	2.00	1.80	1.60	1.40		
87062WV12816BLL55TLI	IS62WV12816BLL-55TLI	Yes	TSOP-44	2M	128K x 16	55	- 40 to + 85	1.65 - 3.6	3.00	2.70	2.40	2.10		
87062WV25616BLL55BLI	IS62WV25616BLL-55BLI	Yes	MiniBGA-48	4M	256K x 16	55	- 40 to + 85	1.65 - 3.6	6.30	5.67	5.04	4.41		
87062WV25616BLL55TLI	IS62WV25616BLL-55TLI	Yes	TSOP-44	4M	256K x 16	55	- 40 to + 85	1.65 - 3.6	6.30	5.67	5.04	4.41		

Synchronous SRAM

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MOUSER STOCK NO.	ISSI Part No.	RoHS * Compliant	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each					
									1	25	100	500		
Pipelined and Flow-Thru														
870LPS12836A200TQLI	IS61LPS12836A-200TQLI	Yes	TQFP-100	4M	128K x 36	200	- 40 to + 85	3.3	12.00	10.80	9.60	8.40		
870LPS25636A200TQLI	IS61LPS25636A-200TQLI	Yes	TQFP-100	8M	256K x 36	200	- 40 to + 85	3.3	24.00	21.60	19.20	16.80		
No-Wait														
87061NLP51236200TQLI	IS61NLP51236-200TQLI	Yes	TQFP-100	18M	512K x 36	200	- 40 to + 85	3.3	36.00	32.40	28.80	25.20		
87061NLP102418200TQ	IS61NLP102418-200TQ	No	TQFP-100	18M	1M x 18	200	0 to 70	3.3	36.00	32.40	28.80	25.20		

ISSI DYNAMIC RAM (DRAM): SDR (SINGLE DATA RATE) SYNCHRONOUS, SURFACE MOUNT

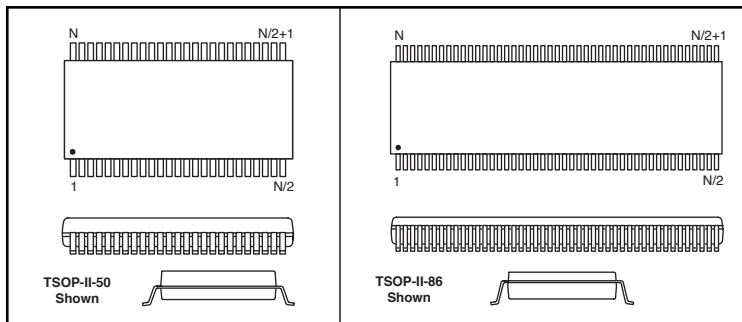
ISSI offers a wide variety of Dynamic RAM (DRAM). DRAM is a form of volatile memory in which stored information is degraded with time. They include EDO (Extended Data Out)/FPM (Fast Page Output) DRAMs, SDRAMs (Synchronous Dynamic Random Access Memory) and DDR I (Double Data Rate 1 Synchronous Dynamic Random Access Memory) synchronous DRAMs. They achieve a high-speed data transfer using pipeline architecture. All input and output signals refer to the rising edge of the clock input.

Features:

- Fully synchronous operation
- Internal bank for hiding row access/precharge
- Programmable burst length - (1, 2, 4, 8 or full page)
- Random column address every clock cycle
- Burst termination by burst stop and precharge command



RoHS Compliant



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Freq. (MHz)	Speed (ns)	Temp. Range (°C)	Supply Voltage (V)	Price Each			
									1	25	100	500
870-IS42S16100C1-7TL	IS42S16100C1-7TL	TSOP-II-50	16M	512K x 16 x 2 Banks	143	7.0	0 to 70	2.5	2.10	1.89	1.68	1.47
870-IS42S32200C1-7TL	IS42S32200C1-7TL	TSOP-II-86	64M	512K x 32 x 4 Banks	133	7.5	0 to 70	2.5	4.50	4.05	3.60	3.15
870-IS42S32800B-7TL	IS42S32800B-7TL	TSOP-II-86	256M	2M x 32 x 4 Banks	143	7.0	0 to 70	3.3	13.00	11.70	10.40	9.10

ISSI SERIAL EEPROMS: 2-WIRE BUS, SURFACE MOUNT

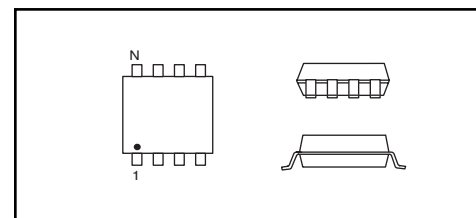
ISSI offers a wide range of Serial EEPROMS. They offer 2-wire Serial Microwire and SPI Bus EEPROMS in a variety of densities and organizations. They maintains compatibility with the popular protocols in the industry so it is easy to use in applications using each of these bus types.

Features:

- Two wire Serial Interface, I2C Compatible
- - Bi-directional data transfer protocol
- Wide voltage operation
 - VCC = 1.8V to 5.5V
- 400 KHz (2.5V) and 1MHz (5.0V) Compatible
- Low Power CMOS Technology
 - Standby current less than 6 uA (5.0V)
- Read current less than 2 mA (5.0V)
- Write current less than 3 mA (5.0V)
- Hardware data protection
- - Write protect pin
- Sequential read feature
- Filtered inputs for noise suppression
- Self time write cycle with auto clear: 5 ms max @ 2.5V



RoHS Compliant



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MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	500
870-IS24C01B-2GLI	IS24C01B-2GLI	SOIC-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.24	.22	.19	.17
870-IS24C02B-2GLI	IS24C02B-2GLI	SOIC-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.24	.22	.19	.17
870-IS24C16A-2GLI	IS24C16A-2GLI	SOIC-8	16K	2K x 8	- 40 to + 85	1.8 to 5.5	.34	.31	.27	.24