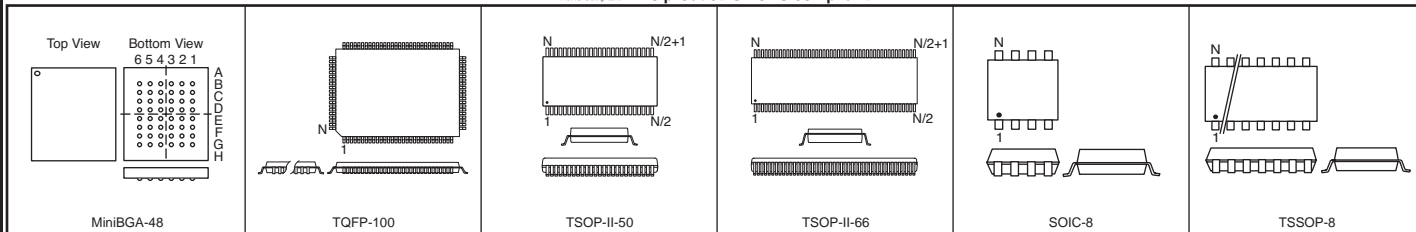


ISSI SRAM & DRAM

RoHS Compliant This product is RoHS compliant.

Memory



◆ Surface Mount Device

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. The Pseudo SRAM product line is targeted for low power consumer, industrial, automotive, networking and telecom applications where a lower cost solution is required and a higher standby current can be accommodated.

Asynchronous SRAM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each			
								1	25	100	500
High Speed											
◆ 870-IS61C256AL-12JLI	IS61C256AL-12JLI	SOJ-28	256K	32K x 8	12	-40 to +85	5	1.34	1.21	1.07	0.94
◆ 870IS61C1024AL12JLI	IS61C1024AL-12JLI	SOJ-32 (300mil)	1M	128K x 8	12	-40 to +85	5	2.60	2.34	2.08	1.82
◆ 870-61WV12816DB10BLI	IS61WV12816DBLL-10BLI	mBGA-48	2M	128K x 16	12	-40 to +85	3.3	3.50	3.40	3.31	3.22
◆ 870-61WV25616BLL10TL	IS61WV25616BLL-10TL	TSOP II-44	4M	256K x 16	10	0 to 70	3.3	4.40	3.96	3.52	3.08
◆ 870-61WV5128B10TLI	IS61WV5128BLL-10TLI	TSOP II-44	4M	512K x 8	10	-40 to +85	3.3	4.70	3.64	3.60	3.60
◆ 870-61WV51216B10TLI	IS61WV51216BLL-10TLI	TSOP II-44	8M	512K x 16	10	-40 to +85	3.3	16.40	14.76	12.71	11.48
Low Power											
◆ 870-IS62C256AL-45ULI	IS62C256AL-45ULI	SOP-28	256K	32K x 8	45	-40 to +85	5	1.34	1.21	1.07	0.94
◆ 870IS62C1024AL35QLI	IS62C1024AL-35QLI	SOP-32 (300mil)	1M	128K x 8	35	-40 to +85	5	2.60	2.34	2.08	1.82
◆ 870-62WV6416DBL45TLI	IS62WV6416DBLL-45TLI	TSOP II-44	1M	64K x 16	45	-40 to +85	3.3	2.20	1.98	1.44	1.40
◆ 87062WV2568BLL55HLI	IS62WV2568BLL-55HLI	TSOP I-32	2M	256K x 8	55	-40 to +85	3.3	2.96	2.73	2.50	2.28
◆ 87062WV5128BLL55HLI	IS62WV5128BLL-55HLI	sTSOP I-32	4M	512K x 8	55	-40 to +85	3.3	6.30	5.67	5.04	4.41
◆ 87062WV51216BLL55BLI	IS62WV51216BLL-55BLI	mBGA-48	8M	512K x 16	55	-40 to +85	3.3	10.00	9.00	7.75	7.00
High Speed/Low Power											
◆ 870-IS61LV6416-10TL	IS61LV6416-10TL	TSOP II-44	1M	64K x 16	10	0 to 70	3.3	2.54	2.29	2.03	1.78
◆ 870IS61WV6416BLL12TLI	IS61WV6416BLL-12TLI	TSOP II-44	1M	64K x 16	12	-40 to +85	3.3	2.30	2.07	1.84	1.61
◆ 870-IS63LV1024L-12JL	IS63LV1024L-12JL	SOJ-32 (300mil)	1M	128K x 8	12	0 to 70	3.3	2.62	2.36	2.10	1.83
◆ 870IS61LV12816L10TL	IS61LV12816L-10TL	TSOP II-44	2M	128K x 16	10	0 to 70	3.3	4.96	4.46	3.97	3.47
◆ 870IS61LV25616AL10TL	IS61LV25616AL-10TL	TSOP II-44	4M	256K x 16	10	0 to 70	3.3	5.28	4.75	4.22	3.70
◆ 870IS61LV5128AL10TLI	IS61LV5128AL-10TLI	TSOP II-44	4M	512K x 8	10	-40 to +85	3.3	5.50	4.95	4.40	3.85
PowerSaver™ Low Power											
◆ 87062WV1288DBLL45HLI	IS62WV1288DBLL45HLI	sTSOP I-32	1M	128K x 8	45	-40 to +85	2.5-3.6	2.00	1.80	1.60	1.40
◆ 87062WV1288BLL55TLI	IS62WV1288BLL-55TLI	TSOP I-32	1M	128K x 8	55	-40 to +85	2.5-3.6	2.20	1.98	1.76	1.54
◆ 87062WV12816BLL55TLI	IS62WV12816BLL-55TLI	TSOP II-44	2M	128K x 16	55	-40 to +85	2.5-3.6	3.00	2.70	2.40	2.10
◆ 87062WV2568BLL55TLI	IS62WV2568BLL-55TLI	TSOP I-32	2M	256K x 8	55	-40 to +85	2.5-3.6	3.08	2.77	2.46	2.16
◆ 87062WV51216BLL55TLI	IS62WV51216BLL-55TLI	TSOP II-44	8M	512K x 16	55	-40 to +85	2.5-3.6	10.00	9.00	7.75	7.00

Synchronous SRAM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Frequency (MHz)	Temperature Range (°C)	Supply Voltage (V)	Price Each			
								1	25	100	500
Pipelined and Flow-Thru											
◆ 870LPS12836A200TQLI	IS61LPS12836A-200TQLI	TQFP-100	4M	128K x 36	200	-40 to +85	3.3	9.80	8.82	7.84	6.86
◆ 870LPS25636A200TQLI	IS61LPS25636A-200TQLI	TQFP-100	8M	256K x 36	200	-40 to +85	3.3	17.00	15.30	13.17	11.90
No-Wait											
◆ 87061NLP51236200TQLI	IS61NLP51236-200TQLI	TQFP-100	18M	512K x 36	200	-40 to +85	3.3	25.50	21.67	18.48	17.53
◆ 87061NLP1024182TQLI	IS61NLP102418-200TQLI	TQFP-100	18M	1M x 18	200	-40 to +85	3.3	30.00	21.67	21.45	21.00

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 1 (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.

- 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

For quantities greater than listed, 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-IS42S32200E-7TL	IS42S32200E-7TL	TSOP II-86	64M	512K x 32 x 4 Banks	143	7	0 to 70	3.3	4.50	3.93	3.23	2.90
◆ 870-IS42S32200E-7TLI	IS42S32200E-7TLI	TSOP II-86	64M	512K x 32 x 4 Banks	143	7	-40 to +85	3.3	4.40	3.96	3.52	3.08
◆ 870-IS42S32200E-6TL	IS42S32200E-6TL	TSOP II-86	64M	512K x 32 x 4 Banks	166	6	0 to 70	3.3	7.33	6.05	4.78	3.52
◆ 870-42S16400F-7TL	IS42S16400F-7TL	TSOP II-54	64M	1M x 16 x 4 Banks	143	7	0 to 70	3.3	4.20	3.37	2.77	2.49
◆ 870-42S16400F-7TLI	IS42S16400F-7TLI	TSOP II-54	64M	1M x 16 x 4 Banks	143	7	-40 to +85	3.3	3.70	3.33	2.96	2.59
◆ 870-42S16400F-6TL	IS42S16400F-6TL	TSOP II-54	64M	1M x 16 x 4 Banks	166	6	0 to 70	3.3	3.17	2.85	2.53	2.22
◆ 870-42S16400F-6TLI	IS42S16400F-6TLI	TSOP II-54	64M	1M x 16 x 4 Banks	166	6	-40 to +85	3.3	3.92	3.52	3.13	2.73
◆ 870-IS42S32400D-7TL	IS42S32400D-7TL	TSOP II-86	128M	1M x 32 x 4 Banks	143	7	0 to 70	3.3	7.60	6.29	5.21	4.75
◆ 870-42S81600E-7TL	IS42S81600E-7TL	TSOP II-54	128M	4M x 8 x 4 Banks	143	7	0 to 70	3.3	5.40	4.86	4.32	3.78
◆ 870-IS42S16800D-7TL	IS42S16800D-7TL	TSOP II-54	128M	2M x 16 x 4 Banks	143	7	0 to 70	3.3	6.48	5.30	4.40	4.01
◆ 870-42S16800E-7TL	IS42S16800E-7TL	TSOP II-54	128M	2M x 16 x 4 Banks	143	7	0 to 70	3.3	6.10	5.22	4.33	3.95
◆ 870-42S16800E-7TLI	IS42S16800E-7TLI	TSOP II-54	128M	2M x 16 x 4 Banks	143	7	-40 to +85	3.3	5.15	4.82	4.50	4.18
◆ 870-43R16800CC-6TL	IS43R16800CC-6TL	TSOP II-66	128M	2M x 16 x 4 Banks	166	6	0 to 70	3.3	3.60	3.38	3.17	2.95
◆ 870-42S16320B-7BL	IS42S16320B-7BL	mBGA-54	128M	8M x 16 x 4 Banks	143	7	0 to 70	3.3	13.01	12.67	12.33	11.99
◆ 870-42S16320B-7TLI	IS42S16320B-7TLI	TSOP II-54	128M	8M x 16 x 4 Banks	143	7	-40 to +85	3.3	14.51	14.03	13.56	13.09
◆ 870-42S16160D-7TL	IS42S16160D-7TL	TSOP II-54	256M	16M x 16 x 4 Banks	143	7	0 to 70	3.3	9.00	7.95	6.59	6.01
◆ 870-43R16160B-6TL	IS43R16160B-6TL	TSOP II-66	256M	16M x 16 x 4 Banks	166	6	0 to 70	3.3	6.00	5.40	4.80	4.20
◆ 870-43R16160B-5TL	IS43R16160B-5TL	TSOP II-66	256M	16M x 16 x 4 Banks	200	5	0 to 70	3.3	6.30	5.67	5.04	4.41
◆ 870-42S32800D-6TL	IS42S32800D-6TL	TSOP II-86	256M	8M x 32 x 4 Banks	166	6	0 to 70	3.3	7.64	7.43	7.23	7.03
◆ 870-43DR16640A-3DBLI	IS43DR16640A-3DBLI	mBGA-84	1G	16M x 16 x 8 Banks	333	6	-40 to +85	1.8	10.50	10.03	9.56	9.14