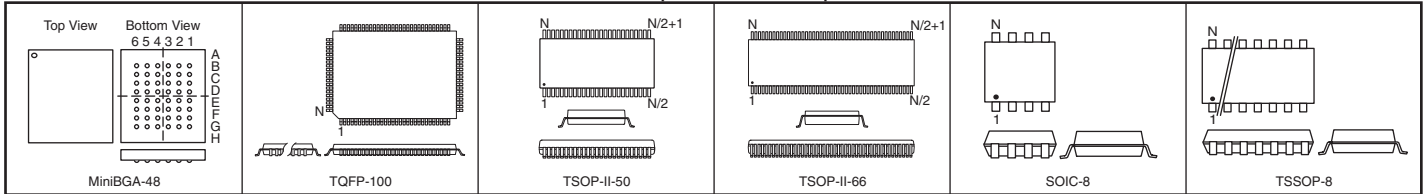


ISSI SRAM



This product is RoHS compliant.



STATIC RAMS, SURFACE MOUNT

◆ Surface Mount Device

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 of 1000 and up, 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	.94
◆ 870-IS61C256AL-12TLI	IS61C256AL-12TLI	TSOP I-28	256K	32K x 8	12	-40 to +85	5	1.34	1.21	1.07	.94
◆ 870IS61C1024AL12JLI	IS61C1024AL-12JLI	SOJ-32 (300mil)	1M	128K x 8	12	-40 to +85	5	2.60	2.34	2.08	1.82
◆ 870IS61C1024AL12KLI	IS61C1024AL-12KLI	SOJ-32 (400mil)	1M	128K x 8	12	-40 to +85	5	2.60	2.34	2.08	1.82
Low Power											
◆ 870-IS62C256AL-45ULI	IS62C256AL-45ULI	SOP-28	256K	32K x 8	45	-40 to +85	5	1.34	1.21	1.07	.94
◆ 870IS62C1024AL35QLI	IS62C1024AL-35QLI	SOP-32 (300mil)	1M	128K x 8	35	-40 to +85	5	2.60	2.34	2.08	1.82
◆ 870IS62C1024AL35TLI	IS62C1024AL-35TLI	TSOP I-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	SOJ-28	256K	32K x 8	10	-40 to +85	3.3	1.34	1.21	1.07	.94
◆ 870-IS61LV256AL10TLI	IS61LV256AL-10TLI	TSOP I-28	256K	32K x 8	10	-40 to +85	3.3	1.34	1.21	1.07	.94
◆ 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
◆ 870I1VV6416BLL12TLI	IS61VV6416BLL-12TLI	TSOP II-44	1M	64K x 16	12	-40 to +85	3.3	2.30	2.07	1.84	1.61
◆ 870-IS63LV1024L-12JLI	IS63LV1024L-12JLI	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											
◆ 870IS62LV256AL45TLI	IS62LV256AL-45TLI	TSOP I-28	256K	32K x 8	45	0 to 70	3.3	1.34	1.21	1.07	.94
◆ 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
◆ 87062WV1288BLL55HLI	IS62WV1288BLL-55HLI	TSOP I-32	1M	128K x 8	55	-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
◆ 87062WV25616BLL55BLI	IS62WV25616BLL-55BLI	mBGA-48	4M	256K x 16	55	-40 to +85	2.5 - 3.6	6.30	5.67	5.04	4.41
◆ 87062WV25616BLL55TLI	IS62WV25616BLL-55TLI	TSOP II-44	4M	256K x 16	55	-40 to +85	2.5 - 3.6	6.30	5.67	5.04	4.41
◆ 87062WV51216BLL55TLI	IS62WV51216BLL-55TLI	TSOP II-44	8M	512K x 16	55	-40 to +85	2.5 - 3.6	10.00	9.00	8.00	7.00

Synchronous SRAM

For quantities of 1000 and up, 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	10.80	9.72	8.64	7.56
◆ 870LPS25636A200TQLI	IS61LPS25636A-200TQLI	TQFP-100	8M	256K x 36	200	-40 to +85	3.3	20.00	18.00	16.00	14.00
No-Wait											
◆ 87061NLP51236200TQLI	IS61NLP51236-200TQLI	TQFP-100	18M	512K x 36	200	-40 to +85	3.3	30.00	27.00	24.00	21.00
◆ 87061NLP1024182TQLI	IS61NLP102418-200TQLI	TQFP-100	18M	1M x 18	200	-40 to +85	3.3	30.00	27.00	24.00	21.00

Pseudo SRAM



For quantities of 1000 and up, 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
◆ 870-66WV25616B55BLI	IS66WV25616BLL-55BLI	mBGA-48	4M	256K x 16	55	0 to 70	3.3	2.60	2.34	2.08	1.82
◆ 870-66WV25616B55TLI	IS66WV25616BLL-55TLI	TSOP II-44	4M	256K x 16	55	0 to 70	3.3	2.40	2.16	1.92	1.68
◆ 870-66WV51216B55BLI	IS66WV51216BLL-55BLI	mBGA-48	8M	512K x 16	55	0 to 70	3.3	3.20	2.88	2.56	2.24
◆ 870-66WV51216B55TLI	IS66WV51216BLL-55TLI	TSOP II-44	8M	512K x 16	55	0 to 70	3.3	3.00	2.70	2.40	2.10

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

ISSI's 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 DDR1 (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 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-IS42S32200E-7TL	IS42S32200E-7TL	TSOP II-86	64M	512K x 32 x 4 Banks	143	7	0 to 70	3.3	4.50	4.05	3.60	3.15
◆ 870-42S16400F-7TL	IS42S16400F-7TL	TSOP II-54	64M	1M x 16 x 4 Banks	143	7	0 to 70	3.3	3.50	3.15	2.80	2.45
◆ 870-IS42S32400D-7BL	IS42S32400D-7BL	BGA-90	128M	1M x 32 x 4 Banks	143	7	0 to 70	3.3	9.90	8.91	7.92	6.93
◆ 870-IS42S32400D-7TL	IS42S32400D-7TL	TSOP II-86	128M	1M x 32 x 4 Banks	143	7	0 to 70	3.3	7.90	7.11	6.32	5.53
◆ 870-IS42S16800D-7TL	IS42S16800D-7TL	TSOP II-54	128M	2M x 16 x 4 Banks	143	7	0 to 70	3.3	6.50	5.85	5.20	4.55
◆ 870-42S16800E-7TL	IS42S16800E-7TL	TSOP II-54	128M	2M x 16 x 4 Banks	143	7	0 to 70	3.3	6.10	5.49	4.88	4.27
◆ 870-IS42S81600D-7TL	IS42S81600D-7TL	TSOP II-54	128M	4M x 8 x 4 Banks	143	7	0 to 70	3.3	7.90	7.11	6.32	5.53
◆ 870-IS42S32800B-7BL	IS42S32800B-7BL	BGA-90	256M	2M x 32 x 4 Banks	143	7	0 to 70	3.3	15.00	13.50	12.00	10.50
◆ 870-IS42S32800B-7TL	IS42S32800B-7TL	TSOP II-86	256M	2M x 32 x 4 Banks	143	7	0 to 70	3.3	13.00	11.70	10.40	9.10
◆ 870-IS42S83200B-7TL	IS42S83200B-7TL	TSOP II-54	256M	8M x 8 x 4 Banks	143	7	0 to 70	3.3	10.00	9.00	8.00	7.00
◆ 870-IS42S16160B-7BL	IS42S16160B-7BL	BGA-54	256M	16M x 16 x 4 Banks	143	7	0 to 70	3.3	11.00	9.90	8.80	7.70
◆ 870-IS42S16160B-7TL	IS42S16160B-7TL	TSOP II-54	256M	16M x 16 x 4 Banks	143	7	0 to 70	3.3	9.00	8.10	7.20	6.30
◆ 870-42S16160D-7TL	IS42S16160D-7TL	TSOP II-54	256M	16M x 16 x 4 Banks	143	7	0 to 70	3.3	9.00	8.10	7.20	6.30
◆ 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