

# CYPRESS Memory

RoHS Compliant This product is RoHS compliant.



## ULTRA LOW POWER SRAMS

Cypress is committed to maintaining support for both fast asynchronous and low-power SRAMs, even with major players exiting the market. Offering the most advanced process technology in the SRAM world, Cypress's MoBL™ SRAMs dominate the low-power segment with the industry's broadest portfolio, from 64Kb to 64Mb. Cypress's RoHS-compliant MicroPower SRAMs offered in industry-standard packaging options such as: FBGA, VFBGA, SOIC, TSOP, TSOP II, PDIP, in industrial temperature range. These SRAMs are appropriate for high-performance, high-battery-life memory solutions.

Memory

Cypress

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Density	Organization	Speed (ns)	Temp. Range (°C)	Operating Voltage (V)	Price Each		
								1	25	50
727-CY626455SNXI	CY6264-55SNXI	SOIC-28	64K	8K x 8	55	-40 to +85	4.5 to 5.5	5.00	4.40	4.00
727-CY6264-70SNXC	CY6264-70SNXC	SOIC-28	64K	8K x 8	70	0 to 70	4.5 to 5.5	4.45	3.00	2.90
727-CY62256NLL55SNXI	CY62256NLL-55SNXI	SOIC-28	256K	32K x 8	55	-40 to +85	4.5 to 5.5	1.75	1.70	1.50
727-CY62256NLL55ZXE	CY62256NLL-55ZXE	TSOP I-28	256K	32K x 8	55	-40 to +125	4.5 to 5.5	5.20	4.58	4.16
727-CY62256NLL-55ZXI	CY62256NLL-55ZXI	TSOP I-28	256K	32K x 8	55	-40 to +85	4.5 to 5.5	1.75	1.70	1.50
727-CY62256NLL70PXC	CY62256NLL-70PXC	PDIP-28	256K	32K x 8	70	0 to 70	4.5 to 5.5	2.08	1.82	1.76
727-CY62256NLL70SNXC	CY62256NLL-70SNXC	SOIC-28	256K	32K x 8	70	0 to 70	4.5 to 5.5	1.75	1.70	1.50
727-CY62256NLL70ZRXI	CY62256NLL-70ZRXI	TSOP I-28	256K	32K x 8	70	-40 to +85	4.5 to 5.5	1.75	1.70	1.50
727-CY2256VNLL-70SNXI	CY62256VNLL-70SNXI	SOIC-28	256K	32K x 8	70	-40 to +85	2.2 to 3.6	2.25	1.50	1.45
727-CY1256VNLL70ZRXI	CY62256VNLL-70ZRXI	TSOP I-28	256K	32K x 8	70	-40 to +85	2.7 to 3.6	1.75	1.70	1.50
727-CY62256VNLL70ZXC	CY62256VNLL-70ZXC	TSOP I-28	256K	32K x 8	70	0 to 70	2.7 to 3.6	1.75	1.70	1.50
727-CY62256VNLL70ZXI	CY62256VNLL-70ZXI	TSOP I-28	256K	32K x 8	70	-40 to +85	2.7 to 3.6	1.75	1.70	1.50
727-CY62126ESL45ZSXI	CY62126ESL-45ZSXI	TSOP II-44	1M	64K x 16	45	-40 to +85	2.2 to 5.5	2.30	2.07	1.95
727-CY62126EV30LL45ZSXI	CY62126EV30LL-45ZSXI	TSOP II-44	1M	64K x 16	45	-40 to +85	2.2 to 3.6	2.59	2.45	2.30
727-CY27DV30LL55BVXI	CY62127DV30LL-55BVXI	VFBGA-48	1M	64K x 16	55	-40 to +85	2.2 to 3.6	2.70	2.55	2.40
727-CY127DV30LL55ZXI	CY62127DV30LL-55ZXI	TSOP II-44	1M	64K x 16	55	-40 to +85	2.2 to 3.6	3.00	2.64	2.40
727-CY62128ELL-45SXA	CY62128ELL-45SXA	SOIC-32	1M	128K x 8	45	-40 to +85	4.5 to 5.5	4.96	4.65	4.40
727-CY62128ELL-45SXI	CY62128ELL-45SXI	SOIC-32	1M	128K x 8	45	-40 to +85	4.5 to 5.5	3.62	2.42	2.33
727-CY62128ELL45ZAXI	CY62128ELL-45ZAXI	TSOP I-32	1M	128K x 8	45	-40 to +85	4.5 to 5.5	4.03	3.54	3.22
727-CY62128ELL-45ZXA	CY62128ELL-45ZXA	TSOP I-32	1M	128K x 8	45	-40 to +85	4.5 to 5.5	5.42	5.13	4.70
727-CY62128ELL45ZXI	CY62128ELL-45ZXI	TSOP I-32	1M	128K x 8	45	-40 to +85	4.5 to 5.5	3.62	2.90	2.63
727-CY128EV30LL45SXI	CY62128EV30LL-45SXI	SOIC-32	1M	128K x 8	45	-40 to +85	2.2 to 3.6	2.59	2.45	2.30
727-CY62128EV30LL45ZAXI	CY62128EV30LL-45ZAXI	TSOP I-32	1M	128K x 8	45	-40 to +85	2.2 to 3.6	2.59	2.45	2.30
727-CY128EV30LL45ZXI	CY62128EV30LL-45ZXI	TSOP I-32	1M	128K x 8	45	-40 to +85	2.2 to 3.6	2.59	2.45	2.30
727-CY62128ELL-55SXE	CY62128ELL-55SXE	SOIC-32	1M	128K x 8	55	-40 to +85	4.5 to 5.5	5.96	5.60	5.29
727-CY62128ELL55ZAXE	CY62128ELL-55ZAXE	TSOP I-32	1M	128K x 8	55	-40 to +85	4.5 to 5.5	6.44	6.10	5.59
727-CY62136ESL45ZSXI	CY62136ESL-45ZSXI	TSOP II-44	2M	128K x 16	45	-40 to +85	2.2 to 5.5	3.74	3.59	3.23
727-CY36EV30LL45BVXI	CY62136EV30LL-45BVXI	VFBGA-48	2M	128K x 16	45	-40 to +85	2.2 to 3.6	4.45	3.92	3.56
727-CY36FV30LL45BVXI	CY62136FV30LL-45BVXI	VFBGA-48	2M	128K x 16	45	-40 to +85	2.2 to 3.6	5.13	4.51	4.10
727-CY36EV30LL45ZSXI	CY62136EV30LL-45ZSXI	TSOP II-44	2M	128K x 16	45	-40 to +85	2.2 to 3.6	4.01	3.75	3.56
727-CY36FV30LL45ZSXI	CY62136FV30LL-45ZSXI	TSOP II-44	2M	128K x 16	45	-40 to +85	2.2 to 3.6	4.10	3.44	2.97
727-CY37EV30LL45BVXI	CY62137EV30LL-45BVXI	VFBGA-48	2M	128K x 16	45	-40 to +85	2.2 to 3.6	4.45	3.92	3.56
727-CY37EV30LL45ZSXI	CY62137EV30LL-45ZSXI	TSOP II-44	2M	128K x 16	45	-40 to +85	2.2 to 3.6	4.01	3.75	3.56
727-CY37FV18LL55BVXI	CY62137FV18LL-55BVXI	VFBGA-48	2M	128K x 16	55	-40 to +85	1.65 to 2.25	5.13	4.51	4.10
727-CY38EV30LL45BVXI	CY62138EV30LL-45BVXI	VFBGA-36	2M	256K x 8	45	-40 to +85	2.2 to 3.6	4.45	3.92	3.56
727-CY62138FLL45ZSXI	CY62138FLL-45ZSXI	TSOP II-32	2M	256K x 8	45	-40 to +85	4.5 to 5.5	6.50	5.72	5.20
727-CY138FV30LL45BVXI	CY62138FV30LL-45BVXI	VFBGA-36	2M	256K x 8	45	-40 to +85	2.2 to 3.6	5.13	4.51	4.10
727-CY138FV30LL45SXI	CY62138FV30LL-45SXI	SOIC-32	2M	256K x 8	45	-40 to +85	2.2 to 3.6	3.44	3.23	3.07
727-CY62138FV30LL45	CY62138FV30LL-45ZAXA	TSOP I-32	2M	256K x 8	45	-40 to +85	2.2 to 3.6	7.00	6.44	5.92
727-CY38FV30LL45ZAXI	CY62138FV30LL-45ZAXI	TSOP I-32	2M	256K x 8	45	-40 to +85	2.2 to 3.6	3.78	3.14	3.05
727-CY38FV30LL45ZSXI	CY62138FV30LL-45ZSXI	TSOP II-32	2M	256K x 8	45	-40 to +85	2.2 to 3.6	5.13	4.51	4.10
727-CY138FV30LL45ZXI	CY62138FV30LL-45ZXI	TSOP I-32	2M	256K x 8	45	-40 to +85	2.2 to 3.6	3.44	3.23	3.07
727-CY62146ELL45ZSXA	CY62146ELL-45ZSXA	TSOP II-44	4M	256K x 16	45	-40 to +85	4.5 to 5.5	8.85	8.39	7.69
727-CY62146ELL45ZSXI	CY62146ELL-45ZSXI	TSOP II-44	4M	256K x 16	45	-40 to +85	4.5 to 5.5	8.90	7.38	7.20
727-CY62146ESL45ZSXI	CY62146ESL-45ZSXI	TSOP II-44	4M	256K x 16	45	-40 to +85	2.2 to 5.5	8.10	7.29	6.56
727-CY46EV30LL45ZSXI	CY62146EV30LL-45ZSXI	TSOP II-44	4M	256K x 16	45	-40 to +85	2.2 to 3.6	6.65	6.30	6.00
727-CY47EV30LL45BVXI	CY62147EV30LL-45BVXI	VFBGA-48	4M	256K x 16	45	-40 to +85	2.2 to 3.6	6.65	6.30	6.00
727-CY47EV30LL45ZSXI	CY62147EV30LL-45ZSXI	TSOP II-44	4M	256K x 16	45	-40 to +85	2.2 to 3.6	6.65	6.30	6.00
727-CY147EV30LL55ZSXE	CY62147EV30LL-55ZSXE	TSOP II-44	4M	256K x 16	55	-40 to +125	2.2 to 3.6	8.50	8.00	7.25
727-CY6218ELL-45ZSXI	CY62148ELL-45ZSXI	TSOP II-32	4M	512K x 8	45	-40 to +85	4.5 to 5.5	7.95	7.15	6.62
727-CY48EV30LL45ZSXI	CY62148EV30LL-45ZSXI	TSOP II-32	4M	512K x 8	45	-40 to +85	2.2 to 3.6	6.65	6.00	5.55
727-CY148DV30LL55SXI	CY62148DV30LL-55SXI	SOIC-32	4M	512K x 8	55	-40 to +85	2.2 to 3.6	5.04	4.74	4.50
727-CY62148ELL-55SXA	CY62148ELL-55SXA	SOIC-32	4M	512K x 8	55	-40 to +85	4.5 to 5.5	8.62	7.92	7.22
727-CY62148ELL-55SXI	CY62148ELL-55SXI	SOIC-32	4M	512K x 8	55	-40 to +85	4.5 to 5.5	6.66	6.12	5.58
727-CY62148ESL-55ZAX	CY62148ESL-55ZAXI	TSOP I-32	4M	512K x 8	55	-40 to +85	2.2 to 5.5	8.10	7.29	7.00
727-CY148EV30LL55SXI	CY62148EV30LL-55SXI	SOIC-32	4M	512K x 8	55	-40 to +85	2.2 to 3.6	5.55	5.10	4.65
727-CY62157ELL45ZSXI	CY62157ELL-45ZSXI	TSOP II-44	8M	512K x 16	45	-40 to +85	4.5 to 5.5	14.40	13.65	13.00
727-CY62157ESL45ZSXI	CY62157ESL-45ZSXI	TSOP II-44	8M	512K x 16	45	-40 to +85	2.2 to 5.5	14.63	13.16	11.85
727-CY57EV30LL45BVXI	CY62157EV30LL-45BVXI	VFBGA-48	8M	512K x 16	45	-40 to +85	2.2 to 3.6	10.20	9.65	9.20
727-CY157EV30LL45ZSXI	CY62157EV30LL-45ZSXI	TSOP I-48	8M	512K x 16	45	-40 to +85	2.2 to 3.6	10.20	9.20	8.51
727-CY157EV30LL45ZSXA	CY62157EV30LL-45ZSXA	TSOP II-44	8M	512K x 16	45	-40 to +85	2.2 to 3.6	10.06	9.47	8.58
727-CY57EV30LL45ZSXI	CY62157EV30LL-45ZSXI	TSOP II-44	8M	512K x 16	45	-40 to +85	2.2 to 3.6	10.20	9.65	9.20
727-CY62157ELL55ZSXE	CY62157ELL-55ZSXE	TSOP II-44	8M	512K x 16	55	-40 to +125	4.5 to 5.5	12.02	11.31	10.25
727-CY62157EV55ZSXE	CY62157EV30LL-55ZSXE	TSOP II-44	8M	512K x 16	55	-40 to +125	2.2 to 3.6	11.86	10.68	10.07
727-CY62158ELL45ZSXI	CY62158ELL-45ZSXI	TSOP II-44	8M	1M x 8	45	-40 to +85	4.5 to 5.5	11.05	10.40	9.43
727-CY58EV30LL45ZSXI	CY62158EV30LL-45ZSXI	TSOP II-44	8M	1M x 8	45	-40 to +85	2.2 to 3.6	10.20	9.65	9.20
727-CY67EV30LL45BVXI	CY62167EV30LL-45BVXI	VFBGA-48	16M	1M x 16	45	-40 to +85	2.2 to 3.6	15.75	13.86	12.60
727-CY67DV30LL55BVXI	CY62167DV30LL-55BVXI	VFBGA-48	16M	1M x 16	55	-40 to +85	2.2 to 3.6	10.50	9.45	9.26
727-2167DV30LL-55ZXI	CY62167DV30LL-55ZXI	TSOP I-48	16M	1M x 16	55	-40 to +85	2.2 to 3.6	13.95	9.45	9.14
727-CY62177EV30LL55Z	CY62177EV30LL-55ZXI	TSOP I-48	32M	2M x 16 or 4M x 8	55	-40 to +85	2.2 to 3.6	30.24	25.02	24.30

## FIFOS

Cypress delivers FIFO memories in densities ranging from 2Kb to 1Mb which provide ideal solutions to interconnect problems like flow control, rate matching and bus matching. The comprehensive FIFO product line is offered in industry standard packaging such as: TQFP and PL CC. These devices can be easily integrated into new and existing designs to help designers simplify system design and reduce design cycle time. More than 100 types of asynchronous and synchronous FIFO memories are available.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Density	Organization	Speed (ns)	Temp. Range (°C)	Operating Voltage (V)	Price Each		
								1	25	50
<b>Asynchronous</b>										
727-CYC42120JXC	CY7C421-20JXC	PLCC-32	4K	512 x 9	20	0 to 70	4.5 to 5.5	7.13	6.27	5.70
727-CYC42120VXC	CY7C421-20VXC	SOJ-28	4K	512 x 9	20	0 to 70	4.5 to 5.5	7.13	6.27	5.70
<b>Low Voltage Synchronous</b>										
727-CYC4225V15ASXC	CY7C4225V-15ASXC	TQFP-64	16K	1K x 18	15	0 to 70	3.0 to 3.6	16.73	15.61	15.05
<b>Synchronous</b>										
727-CYC423115JXC	CY7C4231-15JXC	PLCC-32	16K	2K x 9	15	0 to 70	4.5 to 5.5	17.80	14.95	12.91

