



Memory Products Selector Guide

Serial SRAMs

Device	Density	Organization (Bits)	Data Transmission Standard	f _{cycle} Max (MHz)	V _{CC} Min (V)	V _{CC} Max (V)	I _{standby} Typ (μA)	I _{standby} Max (μA)	Package
N25S818HA	256 kb	32k x 8	SPI	16	1.7	1.95	0.2	0.5	TSSOP-8, SOIC-8
N25S830HA	256 kb	32k x 8	SPI	20	2.7	3.6	1	4	TSSOP-8, SOIC-8
N64S818HA	64 kb	8k x 8	SPI	16	1.7	1.95	0.2	0.5	TSSOP-8, SOIC-8
N64S830HA	64 kb	8k x 8	SPI	20	2.7	3.6	1	4	TSSOP-8, SOIC-8

Parallel SRAMs

Device	Density	Organization (Bits)	t _{ACC} Max (ns)	V _{CC} Min (V)	V _{CC} Max (V)	I _{standby} Typ (μA)	I _{standby} Max (μA)	Package
N08L6182A	8 Mb	512k x 16	70	1.65	2.2	0.5	20	BGA-48
N08L63W2A	8 Mb	512k x 16	70	2.3	3.6	4	20	BGA-48
N04L63W1A	4 Mb	256k x 16	70	2.3	3.6	4	20	BGA-48, TSOP-44
N04L63W2A	4 Mb	256k x 16	70	2.3	3.6	4	20	BGA-48, TSOP-44
N02L6181A	2 Mb	128k x 16	70	1.65	2.2	0.5	10	BGA-48
N02L63W2A	2 Mb	128k x 16	55	2.3	3.6	2	20	BGA-48, TSOP-44
N02L63W3A	2 Mb	128k x 16	55	2.3	3.6	2	20	BGA-48, TSOP-44
N02L83W2A	2 Mb	256k x 8	55	2.3	3.6	2	20	TSOP-32, STSOP-32
N01L83W2A	1 Mb	128k x 8	55	2.3	3.6	2	20	TSOP-32, STSOP-32
N01L6183A	1 Mb	64k x 16	70	1.65	2.2	0.5	10	BGA-48, TSOP-44
N01L63W2A	1 Mb	64k x 16	55	2.3	3.6	2	20	BGA-48, TSOP-44
N01L63W3A	1 Mb	64k x 16	55	2.3	3.6	2	20	BGA-48, TSOP-44

Serial EEPROMs

Product Type	Device	Density	Organization (bits)	Address Pins	f _{cycle} Max (MHz)	V _{CC} Min (V)	V _{CC} Max (V)	I _{standby} Max (μA)	I _{act} Max (mA)	Package	
I ² C Interface	Full Array Write Protect	CAT24C256	256 kb	32k x 8	Yes	0.4	1.8	5.5	1.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT24C128	128 kb	16k x 8	Yes	0.4	1.8	5.5	1.0	3.0	TSSOP-8, UDFN-8, SOIC-8, PDIP-8
		CAT24C64	64 kb	8k x 8	Yes	0.4	1.8	5.5	1.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT24C32	32 kb	4k x 8	Yes	0.4	1.7	5.5	1.0	2.0	TSSOP-8, TDFN-8, UDFN-8, SOIC-8, PDIP-8
		CAT24C164	16 kb	2k x 8	Yes	0.4	1.8	5.5	1.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT24C16	16 kb	2k x 8	No	0.4	1.7	5.5	1.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5, MSOP-8
		CAT24AA16	16 kb	2k x 8	No	1.0	1.7	5.5	1.0	1.0	SOIC-8, TSOT-23-5
		CAT24C08	8 kb	1k x 8	Yes	0.4	1.7	5.5	1.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5, MSOP-8
		CAT24AA08	8 kb	1k x 8	No	1.0	1.7	5.5	1.0	1.0	SOIC-8, TSOT-23-5
		CAT24C04	4 kb	512 x 8	Yes	0.4	1.7	5.5	1.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5, MSOP-8
		CAT24AA04	4 kb	512 x 8	No	1.0	1.7	5.5	1.0	1.0	SOIC-8, TSOT-23-5
		CAT24C02	2 kb	256 x 8	Yes	0.4	1.7	5.5	1.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5, MSOP-8
		CAT24AA02	2 kb	256 x 8	No	0.4	1.7	5.5	1.0	1.0	SOIC-8, TSOT-23-5
		CAT24C01	1 kb	128 x 8	Yes	0.4	1.7	5.5	1.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5, MSOP-8
		CAT24AA01	1 kb	128 x 8	No	0.4	1.7	5.5	1.0	1.0	SOIC-8, TSOT-23-5
Partial Array Write Protect	CAT24C05	4 kb	512 x 8	-	0.4	1.8	5.5	1.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5	
	CAT24C03	2 kb	256 x 8	-	0.4	1.8	5.5	1.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8, TSOT-23-5	
Application Specific	CAT24C208	8 kb	1k x 8	-	0.4	2.5	5.5	50	3.0	SOIC-8	
	CAT34C02	2 kb	256 x 8	-	0.4	1.7	5.5 ¹	1.0	1.0	TSSOP-8, TDFN-8, UDFN-8	
	CAT24C21	1 kb	128 x 8	-	0.4	2.5	5.5	1.0	2.0	TSSOP-8, MSOP-8, TDFN-8, SOIC-8, PDIP-8	
SPI Interface	Block Write Protection	CAT25256	256 kb	32k x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	3.0	4.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT25128	128 kb	16k x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	3.0	4.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT25640	64 kb	8k x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	1.0	3.0	TSSOP-8, TDFN-8, UDFN-8, SOIC-8, PDIP-8
		CAT25320	32 kb	4k x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	2.0	3.0	TSSOP-8, TDFN-8, SOIC-8, UDFN-8, PDIP-8
		CAT25160	16 kb	2k x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	2.0	2.0	TSSOP-8, TDFN-8, SOIC-8, UDFN-8, PDIP-8
		CAT25080	8 kb	1k x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	2.0	2.0	TSSOP-8, TDFN-8, UDFN-8, SOIC-8, PDIP-8
		CAT25040	4 kb	512 x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	2.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT25020	2 kb	256 x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	2.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT25010	1 kb	128 x 8	-	10 @ 2.5 V, 5 @ 1.8 V	1.8	5.5	2.0	2.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
MicroWire Interface	-	CAT93C86	16 kb	1024 x 16 2048 x 8	-	3 @ 4.5 V, 1 @ 2.5 V, 0.5 @ 1.8 V	1.8	5.5	10.0	3.0	TDFN-8, SOIC-8, PDIP-8
		CAT93C76	8 kb	512 x 16 1024 x 8	-	3 @ 2.5 V, 1 @ 1.8 V	1.8	5.5	10.0	3.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT93C66	4 kb	256 x 16 512 x 8	-	2.0	1.8	5.5	4.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT93C56	2 kb	128 x 16 256 x 8	-	2.0	1.8	5.5	4.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT93C57	2 kb	128 x 16 256 x 8	-	2.0	1.8	5.5	4.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT93C46	1 kb	64 x 16 128 x 8	-	2.0	1.8	5.5	2.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8
		CAT93C46R	1 kb	64 x 16 128 x 8	-	2.0	1.8	5.5	2.0	1.0	TSSOP-8, TDFN-8, SOIC-8, PDIP-8

1. The CAT34C02 reversible software write protect feature VCC = 1.7 to 3.6 V

Parallel EEPROMs

Device	Density	Organization (Bits)	t _{ACC} Max (ns)	V _{CC} Min (V)	V _{CC} Max (V)	I _{standby} Typ (μA)	I _{act} Max (mA)	Package
CAT28C512	512 kb	64k x 8	120, 150	4.5	5.5	200	50	TSOP-32, PDIP-32, PLCC-32
CAT28C513	512 kb	64k x 8	120, 150	4.5	5.5	200	50	PLCC-32
CAT28C256	256 kb	32k x 8	120, 150	4.5	5.5	150	25	TSOP-28, PDIP-28, PLCC-32
CAT28C257	256 kb	32k x 8	120, 150	4.5	5.5	150	25	PDIP-28, PLCC-32
CAT28LV256	256 kb	32k x 8	200, 250, 300	3.0	3.6	150	15	TSOP-28, PDIP-28, PLCC-32
CAT28C64B	64 kb	8k x 8	90, 120, 150	4.5	5.5	100	25	TSOP-28, SOIC-28, PDIP-28, PLCC-32
CAT28C65B	64 kb	8k x 8	90, 120, 150	4.5	5.5	100	25	TSOP-28, SOIC-28, PDIP-28, PLCC-32
CAT28LV64	64 kb	8k x 8	150, 200, 250	3.0	3.6	100	8	TSOP-28, SOIC-28, PDIP-28, PLCC-32
CAT28LV65	64 kb	8k x 8	150, 200, 250	3.0	3.6	100	8	TSOP-28, SOIC-28, PDIP-28, PLCC-32
CAT28C16A	16 kb	2k x 8	90, 120, 200	4.5	5.5	100	25	SOIC-24, PDIP-24, PLCC-32
CAT28C17A	16 kb	2k x 8	90, 120, 200	4.5	5.5	100	25	SOIC-28, PDIP-28, PLCC-32

Flash

Device	Type	Density	Organization (Bits)	t _{ACC} Max (ns)	V _{CC} Min (V)	V _{CC} Max (V)	I _{standby} Max (μA)	I _{act} Max (mA)	Package
CAT28F020	Bulk Erase	2 Mb	256k x 8	90, 120	5	12	100	30	TSOP-32, PDIP-32, PLCC-32
CAT28F001	Boot Block	1 Mb	128k x 8	90, 120	5	12	100	30	TSOP-32, PDIP-32, PLCC-32
CAT28F010	Bulk Erase	1 Mb	128k x 8	90, 120	5	12	100	30	TSOP-32, PDIP-32, PLCC-32
CAT28F512	Bulk Erase	512 kb	64k x 8	90, 120, 150	5	12	100	30	TSOP-32, PDIP-32, PLCC-32

NVRAMs

Device	Density	Organization (Bits)	t _{ACC} Max (ns)	V _{CC} Min (V)	V _{CC} Max (V)	I _{standby} Max (μA)	I _{act} Max (mA)	Package
CAT22C10	256 b	64 x 4	200, 300	4.5	5.5	30	40	SOIC-16, PDIP-18
CAT24C44	256 b	16 x 16	375	4.5	5.5	30	3	SOIC-8, PDIP-8

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