



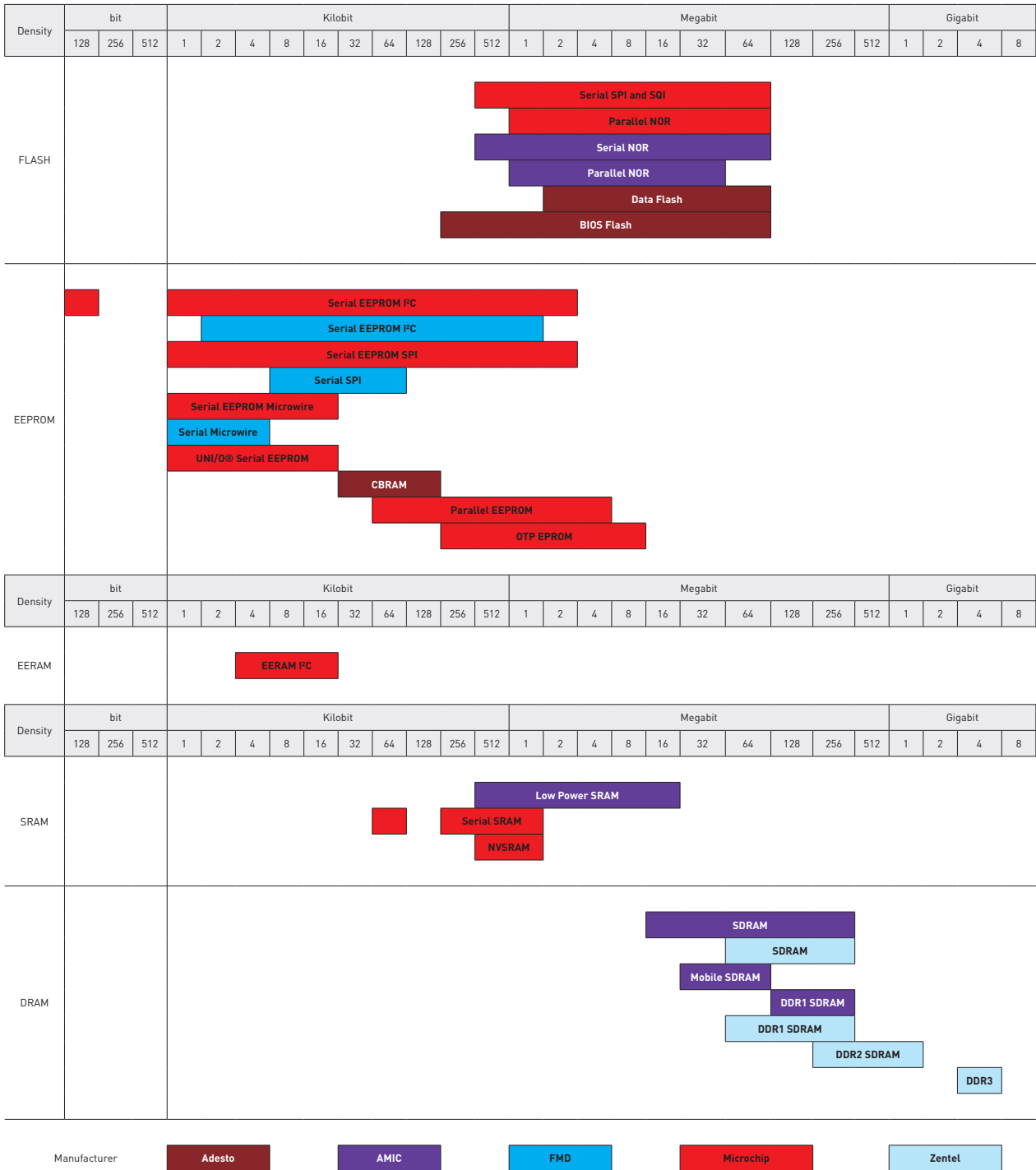
## **Memory Portfolio**



## Memory Manufacturer Overview



# Memory Products Overview



## Content

<b>1. Flash</b> .....	<b>5</b>
1.1 Serial Flash .....	5
1.2 Parallel Flash .....	6
1.3 SLC Flash .....	8
1.3.1 Serial Quad SPI Flash .....	8
1.3.2 Parallel NAND Flash .....	8
1.4 Data Flash .....	8
1.5 BIOS Flash .....	9
<b>2. EEPROM</b> .....	<b>10</b>
2.1 Serial EEPROM .....	10
2.1.1 I <sup>2</sup> C Interface .....	10
2.1.2 SPI Interface .....	15
2.1.3 Microwire .....	18
2.1.4 Low-Energy CBRAM .....	21
2.1.5 SMART Card / IC Card .....	21
2.1.6 UNI O® Serial EEPROM Family .....	21
2.1.7 SPD Memories for DIMM-Modules .....	23
2.1.7.1 for DDR1 .....	23
2.1.7.2 for DDR2/3 .....	23
2.1.7.3 for DDR4 .....	23
2.2 Parallel EEPROM .....	24
2.3 OTP EPROM .....	24
2.4 Serial MAC Address Memories .....	25
<b>3. EERAM</b> .....	<b>26</b>
<b>4. SRAM</b> .....	<b>27</b>
4.1 Serial SRAM .....	27
4.2 Serial Non-Volatile SRAM .....	28
<b>5. DRAM</b> .....	<b>29</b>
5.1 SDRAM .....	29
5.2 Mobile SDRAM .....	29
5.3 DDR1 SDRAM .....	30
5.4 DDR2 SDRAM .....	30
5.5 DDR3 SDRAM .....	30
<b>6. Inteltek Support</b> .....	<b>31</b>

## 1. Flash

### 1.1 Serial Flash

Part Number	Density	Supply Voltage (V)	Max.Clock Freq.	Bus width	Packages
A25L512A*	512Kb	2.7 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP
A25P512	512Kb	2.3 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP, 8-WSOP
A25L010A*	1Mb	2.7 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP
A25P010	1Mb	2.3 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP
A25L020C	2Mb	2.7 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP
A25P020	2Mb	2.3 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP
A25L040A*	4Mb	2.7 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP, 8-WSOP
A25L080	8Mb	2.7 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP, 8-WSOP
A25L016	16Mb	2.7 to 3.6	100MHz	x1	8-SOP, 8-TSSOP, 8-USON, 8-DIP, 8-WSOP
A24LQ16*	16Mb	2.7 to 3.6	100MHz	x1, x2, x4	8-SOP, 8-TSSOP, 8-USON, 8-DIP, 8-WSOP
A25LQ32*	32Mb	2.7 to 3.6	100MHz	x1	8-SOP, 8-WSOP, 8-DIP, 16-SOP
A25LQ32A*	32Mb	2.7 to 3.6	100MHz	x1, x2, x4	8-SOP, 8-WSOP, 8-DIP, BGA24
A25LQ64	64Mb	2.7 to 3.6	100MHz	x1, x2, x4	8-SOP, 8-WSOP, 8-DIP, BGA24
A25LMQ64*	64Mb	2.7 to 3.6	100MHz	x1, x2, x4	8-SOP, 8-WSOP, 8-DIP, BGA24

Note \* = Also available in -40/+125 dgr C and AEC-Q100 grade-3 certification.

Part Number	Density	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
SST25VF512	512Kb	2.7 to 3.6	20MHz	SPI	8-SOIC
SST25VF512A	512Kb	2.7 to 3.6	33MHz	SPI	8-CSP, 8-SOIC, 8-TDFN
SST25VF010A	1Mb	2.7 to 3.6	33MHz	SPI	8-CSP, 8-SOIC, 8-TDFN
SST25VF020B	2Mb	2.7 to 3.6	80MHz	SPI	8-SOIC, 8-TDFN, 8-USON
SST25LF020A	2Mb	3 to 3.6	33MHz	SPI	8-SOIC, 8-TDFN
SST25VF020	2Mb	2.7 to 3.6	20MHz	SPI	8-SOIC, 8-TDFN
SST25PF020B	2Mb	2.3 to 3.6	80MHz	SPI	8-SOIC, 8-TDFN, 8-USON
SST25WF020A	2Mb	1.65 to 1.95	40MHz	SPI	8-SOIC, 8-TDFN, 8-USON, 9-WLCSP
SST25PF040C	4Mb	2.3 to 3.6	40MHz	SPI, SDI	8-SOIC, 8-TDFN
SST26WF040B	4Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	8-CSP, 8-SOIC, 8-TDFN, 8-USON
SST25WF040B	4Mb	1.65 to 1.95	40MHz	SPI, SDI	8-SOIC, 8-USON, 9-WLCSP
SST26WF040BA	4Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	8-SOIC, 8-TDFN, 8-USON
SST25VF040B	4Mb	2.7 to 3.6	50MHz	SPI	8-CSP, 8-SOIC, 8-SOIJ, 8-TDFN
SST25VF080B	8Mb	2.7 to 3.6	50MHz	SPI	8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 16-CSP
SST26WF080B	8Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	8-CSP, 8-SOIC, 8-TDFN, 8-USON
SST26WF080BA	8Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	8-SOIC, 8-TDFN, 8-USON
SST25WF080B	8Mb	1.65 to 1.95	40MHz	SPI, SDI	8-SOIC, 8-USON, 9-WLCSP
SST26VF016	16Mb	2.7 to 3.6	80MHz	SPI, SQI	8-SOIJ, 8-TDFN
SST26VF016B	16Mb	2.3 to 3.6	104MHz	SPI, SDI, SQI	8-SOIC, 8-SOIJ, 8-TDFN

	Part Number	Density	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
MICROCHIP	SST26WF016B	16Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	8-CSP, 8-SOIC, 8-TDFN
	SST26WF016BA	16Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	8-CSP, 8-SOIC, 8-TDFN
	SST25VF016B	16Mb	2.7 to 3.6	80MHz	SPI	8-SOIJ, 8-TDFN
	SST26VF032B	32Mb	2.3 to 3.6	104MHz	SPI, SDI, SQI	8-SOIJ, 8-TDFN, 24-TBGA
	SST26VF032BA	32Mb	2.7 to 3.6	104MHz	SPI, SDI, SQI	8-SOIJ, 8-TDFN
	SST26VF032	32Mb	2.7 to 3.6	80MHz	SPI, SQI	8-SOIJ, 8-TDFN
	SST26VF064B	64Mb	2.3 to 3.6	104MHz	SPI, SDI, SQI	8-SOIJ, 8-TDFN, 16-SOIC, 24-TBGA
	SST26VF064BA	64Mb	2.7 to 3.6	104MHz	SPI, SDI, SQI	8-SOIJ, 8-TDFN, 16-SOIC
	SST25VF064C	64Mb	2.7 to 3.6	80MHz	SPI	8-SOIJ, 8-TDFN, 16-SOIC
SST26WF064C	64Mb	1.65 to 1.95	104MHz	SPI, SDI, SQI	Please call for package information	

## 1.2 Parallel Flash

	Part Number	Density	Supply Voltage (V)	Access Time	Packages
AMIC	A29010B	1Mb	5.0	70ns	32-DIP, 32-PLCC, 32-TSOP
	A29001B	1Mb	5.0	55ns	32-DIP, 32-PLCC, 32-TSOP
	A290011B	1Mb	5.0	55ns	32-DIP, 32-PLCC, 32-TSOP
	A29002	2Mb	5.0	70ns	32-DIP, 32-PLCC, 32-TSOP
	A290021	2Mb	5.0	70ns	32-DIP, 32-PLCC, 32-TSOP
	A29040D	4Mb	5.0	55ns	32-DIP, 32-PLCC, 32-TSOP
	A29400B	4Mb	5.0	55ns	48-TSOP
	A29L040B	4Mb	2.7 to 3.6	70ns	32-DIP, 32-PLCC, 32-TSOP
	A29L400C	4Mb	2.7 to 3.6	70ns	SOP, 48-TSOP, 48-TFBGA
	A29800B	8Mb	5.0	55ns	48-TSOP, 48-TFBGA
	A29801B	8Mb	5.0	55ns	48-TSOP, 48-TFBGA
	A29L800C	8Mb	2.7 to 3.6	70ns	48-TSOP, 48-TFBGA
	A29160B	16Mb	5.0	55ns	48-TSOP, 48-TFBGA
	A29L160C	16Mb	2.7 to 3.6	70ns	48-TSOP, 48-TFBGA
	A29L320A	32Mb	2.7 to 3.6	70ns	48-TSOP, 48-TFBGA

	Part Number	Density	Supply Voltage (V)	Access Time	Packages
MICROCHIP	SST39VF010	1Mb	2.7 to 3.6	70ns	32-PLCC, 32-TSOP
	SST39LF010	1Mb	3 to 3.6	55ns	32-PLCC, 32-TSOP, 34-WFBGA
	SST39SF010A	1Mb	4.5 to 5.5	55ns	32-PDIP, 32-PLCC, 32-TSOP
	SST39VF020	2Mb	2.7 to 3.6	70ns	32-PLCC, 32-TSOP
	SST39VF200A	2Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
	SST39SF020A	2Mb	4.5 to 5.5	55ns	32-PDIP, 32-PLCC, 32-TSOP
	SST39LF200A	2Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP
	SST39LF020	2Mb	3 to 3.6	55ns	32-PLCC, 32-TSOP, 34-WFBGA

Part Number	Density	Supply Voltage (V)	Access Time	Packages
SST39VF401C	4Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF402C	4Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39LF401C	4Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39LF402C	4Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF400A	4Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA, 48-XFLGA
SST39LF040	4Mb	3 to 3.6	55ns	32-PLCC, 32-TSOP
SST39SF040	4Mb	4.5 to 5.5	55ns	32-PDIP, 32-PLCC, 32-TSOP
SST39WF400A	4Mb	1.65 to 1.95	90ns	48-TFBGA, 48-WFBGA
SST39LF400A	4Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF040	4Mb	2.7 to 3.6	70ns	32-PLCC, 32-TSOP
SST39WF400B	4Mb	1.65 to 1.95	70ns	48-TFBGA, 48-WFBGA
SST39LF801C	8Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39LF802C	8Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF801C	8Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF802C	8Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF800A	8Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39WF800B	8Mb	1.65 to 1.95	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39LF800A	8Mb	3 to 3.6	55ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF1601C	16Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF1602C	16Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP, 48-WFBGA
SST39VF1602	16Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39WF1601	16Mb	1.65 to 1.95	70ns	48-TFBGA, 48-WFBGA
SST39WF1602	16Mb	1.65 to 1.95	70ns	48-TFBGA, 48-WFBGA
SST39VF1681	16Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF1682	16Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF1601	16Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF3201B	32Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF3201C	32Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF3202B	32Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF3202C	32Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF3201	32Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF3202	32Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF6401B	64Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST38VF6403B	64Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST38VF6404B	64Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST38VF6401	64Mb	2.7 to 3.6	90ns	48-TFBGA, 48-TSOP
SST38VF6401B	64Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST38VF6402B	64Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST39VF6402B	64Mb	2.7 to 3.6	70ns	48-TFBGA, 48-TSOP
SST38VF6402	64Mb	2.7 to 3.6	90ns	48-TFBGA, 48-TSOP
SST38VF6403	64Mb	2.7 to 3.6	90ns	48-TFBGA, 48-TSOP
SST38VF6404	64Mb	2.7 to 3.6	90ns	48-TFBGA, 48-TSOP

MICROCHIP



## 1.3 SLC Flash

### 1.3.1 Serial Quad SPI Flash

	Part Number	Density	Supply Voltage (V)	Bus width	Max.Clock Freq.	Packages
Zentel	A5U12A21ASC-BC (read and write)	512Mb	2.7 to 3.6	x4	104MHz	16-SOIC
	A5U1GA21ASC-BC (read and write)	1GB	2.7 to 3.6	x4	104MHz	16-SOIC

### 1.3.2 Parallel NAND Flash

	Part Number	Density	Supply Voltage (V)	Bus width	Read Access Time	Packages
ZENTEL	A5U12A31ATS-BC	512Mb	2.7 to 3.6	x8	25ns ECC4bit	48-TSOP
	A5U1GA31ATS-BC	1Gb	2.7 to 3.6	x8	25ns ECC1bit	48-TSOP
	A5U1GA31ABF-BC	1Gb	2.7 to 3.6	x8	25ns ECC1bit	63-FBGA
	A5U1GA31BTS-BC	1Gb	2.7 to 3.6	x8	25ns ECC1/4bit	48-TSOP
	A5U1GA21BBF-BC	1Gb	2.7 to 3.6	x8	25ns ECC1/4bit	63-FBGA
	A5U2GA31BTS-BC	2Gb	2.7 to 3.6	x8	25ns ECC4bit	48-TSOP
	A5U4GA31ATS-BC	4Gb	2.7 to 3.6	x8	25ns ECC4bit	48-TSOP

## 1.4 Data Flash

	Part Number	Density	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
ADESTO	AT45DB021E	2Mb	1.65 to 3.6	70MHz	SPI	9-UBGA, 8-UDFN, 8-SOIC
	AT45DB041E	4Mb	1.65 to 3.6	85MHz	SPI	8-UDFN, 8-SOIC
	AT45DB081E	8Mb	1.7 to 3.6	85MHz	SPI, RapidS	8-UDFN, 8-SOIC
	AT45DB161E	16Mb	2.3 to 2.5	85MHz	SPI	9-UBGA, 8-UDFN, 8-SOIC
	AT45DQ161	16Mb	2.3 to 3.6	85MHz	Dual, Quad,	8-UDFN, 8-SOIC, 9-UBGA
	AT45DB321E	32Mb	2.3 to 3.6	85MHz	SPI	8-UDFN, 8-SOIC, 9-UBGA
	AT45DQ321	32Mb	2.3 to 3.6	85MHz	Dual, Quad,	8-UDFN, 8-SOIC, 9-UBGA
	AT45DB641E	64Mb	1.7 to 3.6	85MHz	SPI	8-SOIC, 8-UDFN, 8-UBGA



## 1.5 BIOS Flash

Part Number	Density	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
AT25DF256	256Kb	1.65 to 3.6	104MHz	SPI/Dual-Read	8-UDFN, 8-SOIC, 8-TSSOP
AT25DN256	256Kb	2.3 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25DF512C	512Kb	1.65 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25DN512C	512Kb	2.3 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25XE512C	512Kb	1.65 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25DF011	1Mb	1.65 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25DN011	1Mb	2.3 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25XE011	1Mb	1.65 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25DF021A	2Mb	1.65 to 3.6	104MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25XE021A	2Mb	1.65 to 3.6	70MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25XV021A	2Mb	1.65 to 4.4	70MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP
AT25SF041	4Mb	2.5 to 3.6	104MHz	SPI/Dual/Quad	8-SOIC, 8-UDFN, 8-TSSOP
AT25DF041B	4Mb	1.65 to 3.6	85MHz	SPI/Dual/Quad	8-SOIC, 8-UDFN, 8-TSSOP
AT25XE041B	4Mb	1.65 to 3.6	85MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP, 8-WLCSP
AT25XV041B	4Mb	1.65 to 4.4	85MHz	SPI/Dual-Read	8-SOIC, 8-UDFN, 8-TSSOP, 8-WLCSP
AT25DF081A	8Mb	2.7 to 3.6	100MHz	SPI	8-SOIC, 8-UDFN
AT25DL081	8Mb	1.65 to 1.95	100MHz	SPI/Dual	8-UDFN
AT25SF081	8Mb	2.5 to 3.6	104MHz	SPI/Dual/Quad	8-SOIC, 8-UDFN, 8-TSSOP
AT25DL161	16Mb	1.65 to 1.95	85MHz, 100MHz	SPI/Dual	8-UDFN, 8-SOIC
AT25SF161	16Mb	2.5 to 3.6	104MHz	SPI/Dual/Quad	8-UDFN, 8-SOIC
AT25DF321A	32Mb	2.7 to 3.6	85MHz, 100MHz	SPI	8-SOIC, 8-UDFN
AT25SF321	32Mb	2.5 to 3.6	104MHz	SPI/Dual/Quad	8-SOIC, 8-UDFN
AT25DF641A	64Mb	2.7 to 3.6	85MHz, 100MHz	SPI	8-SOIC, 8-UDFN

ADESTO

## 2. EEPROM

### 2.1 Serial EEPROM

#### 2.1.1 I<sup>2</sup>C Interface

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
AT24C01C	1Kb	128 x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C01C Automotive	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C01D	1Kb	128 x 8	1.7 to 3.6	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C02C	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C02C Automotive	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C02D	2Kb	256 x 8	1.7 to 3.6	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24HC02B Automotive	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24HC02C	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-TSSOP
AT34C02D	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C04C	4Kb	512 x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C04C Automotive	4Kb	512 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C04D	4Kb	512 x 8	1.7 to 3.6	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24HC04B	4Kb	512 x 8	1.8 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-TSSOP
AT24HC04B Automotive	4Kb	512 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT34C04	4Kb	512 x 8	1.7 to 3.6	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN
AT24C08C	8Kb	1K x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C08C Automotive	8Kb	1K x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C08D	8Kb	1K x 8	1.7 to 3.6	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA
AT24C16C	16Kb	2K x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT24C16C Automotive	16Kb	2K x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C16D	16Kb	2K x 8	1.7 to 3.6	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA, 4-WLCSP
AT24C32D	32Kb	4K x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA, 5-WLCSP, 8-XDFN
AT24C32D Automotive	32Kb	4K x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C32E	32Kb	4K x 8	1.7 to 3.6	I <sup>2</sup> C	8-PDIP, 8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, 8-VFBGA, 5-WLCSP
AT24C64B	64Kb	8K x 8	2.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C64B Automotive	64Kb	8K x 8	2.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
AT24C64D	64Kb	8K x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 5-WLCSP, 6-WLCSP, 8-XDFN

MICROCHIP

	Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
MICROCHIP	AT24C64D Automotive	64Kb	8K x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP
	AT24C128C	128Kb	16K x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
	AT24C256C	256Kb	32K x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA
	AT24C512C	512Kb	64K x 8	1.7 to 3.6, 2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-WLCSP
	AT24CM01	1Mb	128K x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-WLCSP
	AT24CM02	2Mb	256K x 8	1.7 to 5.5	I <sup>2</sup> C	8-SOIC, 8-WLCSP

	Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
MICROCHIP	24AA00	128 bit	16 x 8	1.8 to 6	I <sup>2</sup> C	5-SOT, 8-DFN, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24C00	128 bit	16 x 8	4.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC00	128 bit	16 x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24AA01	1Kb	128 x 8	1.7 to 5.5	I <sup>2</sup> C	5-SC, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24AA01H	1Kb	128 x 8	1.7 to 5.5	I <sup>2</sup> C	5-SC, 5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC01B	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	5-SC, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC01BH	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	5-SC, 5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24AA014	1Kb	128 x 8	1.7 to 5.5	I <sup>2</sup> C	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24C01C	1Kb	128 x 8	4.5 to 5.5	I <sup>2</sup> C	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC014	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24AA014H	1Kb	128 x 8	1.7 to 5.5	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC014H	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC21A	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC
	24LCS21A	1Kb	128 x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC
	24VL014	1Kb	128 x 8	1.5 to 3.6	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24VL014H	1Kb	128 x 8	1.5 to 3.6	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24AA02	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-MSOP, 5-SC, 5-SOT, 8-DFN, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
	24AA02H	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-MSOP, 5-SC, 5-SOT, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24LC02B	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-MSOP, 5-SC, 5-SOT, 8-SOIC, 8-PDIP, 8-DFN, 8-TDFN, 8-TSSOP
	24LC02BH	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-MSOP, 5-SC, 5-SOT, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
24AA025	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-DFN, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24LC025	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-DFN, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24AA024	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24AA024H	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	8-MSOP, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24C02C	2Kb	256 x 8	4.5 to 5.5	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24LC024	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24LC024H	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-MSOP, 8-SOIC, 8-PDIP, 8-TDFN, 8-TSSOP
24AA025E64	2Kb	256 x 8	1.7 to 5.5	I <sup>2</sup> C	6-SOT, 8-SOIC
24LC22A	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-PDIP
24LCS22A	2Kb	256 x 8	2.5 to 5.5	I <sup>2</sup> C	8-SOIC, 8-PDIP
24VL025	2Kb	256 x 8	1.5 to 3.6	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24VL024	2Kb	256 x 8	1.5 to 3.6	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24VL024H	2Kb	256 x 8	1.5 to 3.6	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA04	4Kb	512 x 8	1.7 to 5.5	I <sup>2</sup> C	4-CSP, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA04H	4Kb	512 x 8	1.7 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC04B	4Kb	512 x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC04BH	4Kb	512 x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA044	4Kb	512 x 8	1.7 to 5.5	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA08	8Kb	1K x 8	1.7 to 5.5	I <sup>2</sup> C	4-CSP, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA08H	8Kb	1K x 8	1.7 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC08B	8Kb	1K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC08BH	8Kb	1K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA16	16Kb	2K x 8	1.7 to 5.5	I <sup>2</sup> C	5-CSP, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA16H	16Kb	2K x 8	1.7 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC16B	16Kb	2K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC16BH	16Kb	2K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA32A	32Kb	4K x 8	1.7 to 5.5	I <sup>2</sup> C	5-CSP, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP

MICROCHIP

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
24AA32AF	32Kb	4K x 8	1.7 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC32A	32Kb	4K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24LC32AF	32Kb	4K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA64	64Kb	8K x 8	1.7 to 5.5	I <sup>2</sup> C	5-CSP, 5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA64F	64Kb	8K x 8	1.7 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24FC64	64Kb	8K x 8	1.7 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24LC64	64Kb	8K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24LC64F	64Kb	8K x 8	2.5 to 5.5	I <sup>2</sup> C	5-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
24AA65	64Kb	8K x 8	1.8 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIJ
24C65	64Kb	8K x 8	4.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIJ
24LC65	64Kb	8K x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIJ
24LC128	128Kb	16K x 8	2.5 to 5.5	I <sup>2</sup> C	8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24AA128	128Kb	16K x 8	1.7 to 5.5	I <sup>2</sup> C	8-CSP, 8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24FC128	128Kb	16K x 8	1.7 to 5.5	I <sup>2</sup> C	8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24AA256	256Kb	32K x 8	1.7 to 5.5	I <sup>2</sup> C	8-CSP, 8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24FC256	256Kb	32K x 8	1.7 to 5.5	I <sup>2</sup> C	8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24LC256	256Kb	32K x 8	2.5 to 5.5	I <sup>2</sup> C	8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TDFN, 8-TSSOP
24AA512	512Kb	64K x 8	1.7 to 5.5	I <sup>2</sup> C	8-CSP, 8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TSSOP, 14-TSSOP
24FC512	512Kb	64K x 8	1.7 to 5.5	I <sup>2</sup> C	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TSSOP, 14-TSSOP
24LC512	512Kb	64K x 8	2.5 to 5.5	I <sup>2</sup> C	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TSSOP, 14-TSSOP
24AA515	512Kb	64K x 8	1.8 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIJ
24LC515	512Kb	64K x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIJ
24FC515	512Kb	64K x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIJ
24AA1025	1Mb	128K x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-SOIJ
24AA1026	1Mb	128K x 8	1.7 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-SOIJ
24FC1025	1Mb	128K x 8	1.8 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-SOIJ
24FC1026	1Mb	128K x 8	1.8 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-SOIJ
24LC1025	1Mb	128K x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-SOIJ
24LC1026	1Mb	128K x 8	2.5 to 5.5	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-SOIJ

MICROCHIP

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages	
MICROCHIP	24VL014	1Kb	128 x 8	1.5 to 3.6	400 kHz	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24VL014H	1Kb	128 x 8	1.5 to 3.6	400 kHz	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24VL025	2Kb	256 x 8	1.5 to 3.6	400 kHz	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24VL024	2Kb	256 x 8	1.5 to 3.6	400 kHz	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24VL024H	2Kb	256 x 8	1.5 to 3.6	400 kHz	I <sup>2</sup> C	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP

Part Number	Density	Organisation	Supply Voltage (V)	Packages	
FREMONT MICRO DEVICES	FT24C02A	2Kb	256 x 8	1.8 to 5.5	8-PDIP, 8-SOIC, 8-TSSOP, 8-DFN, 5-SOT-23, 23-TSOT
	FT24C04A	4Kb	512 x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-DFN, 8-MSOP, 5-SOT-23, 23-TSOT
	FT24C08A	8Kb	1K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-DFN, 8-MSOP, 5-SOT-23, 23-TSOT
	FT24C16A	16Kb	2K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-DFN, 8-MSOP, 5-SOT-23, 23-TSOT
	FT24C32A	32Kb	4K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-MSOP, 8-DFN, 5-SOT23
	FT24C64A	64Kb	8K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-MSOP, 8-DFN, 5-SOT23
	FT24C128A	128Kb	16K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-MSOP
	FT24C256A	256Kb	32K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP, 8-MSOP
	FT24C512A	512Kb	64K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-WSOP, 8-MSOP, 8-TSSOP
	FT24C1024	1Mb	128K x 8	1.8 to 5.5	8-SOP, 8-TSSOP

## 2.1.2 SPI Interface

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
AT25010B	1Kb	128 x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25010B Automotive	1Kb	128 x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25020B	2Kb	256 x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25020B Automotive	2Kb	256 x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25040B	4Kb	512 x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25040B Automotive	4Kb	512 x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25080B	8Kb	1K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25080B Automotive	8Kb	1K x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25160B	16Kb	2K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-WLC-SP, 8-XDFN
AT25160B Automotive	16Kb	2K x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25320B	32Kb	4K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25320B Automotive	32Kb	4K x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25640B	64Kb	8K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25640B Automotive	64Kb	8K x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25128B	128Kb	16K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
AT25128B Automotive	128Kb	16K x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25256B	256Kb	32K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA
AT25256B Automotive	256Kb	32K x 8	2.5 to 5.5	SPI	8-SOIC, 8-TSSOP
AT25512	512Kb	64K x 8	1.8 to 5.5	SPI	8-SOIC, 8-TSSOP, 8-UDFN
AT25M01	1Mb	128K x 8	1.7 to 5.5	SPI	8-SOIC, 8-WLCSP
AT25M02	2Mb	256K x 8	1.7 to 5.5	SPI	8-SOIC, 8-WLCSP

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
25AA010A	1Kb	128 x 8	1.8 to 5.5	SPI	6-SOT, 8-MSOP, 8-PDIP, 8-TSSOP, 8-SOIC, 8-DFN, 8-TDFN
25LC010A	1Kb	128 x 8	2.5 to 5.5	SPI	6-SOT, 8-MSOP, 8-PDIP, 8-TSSOP, 8-SOIC, 8-DFN, 8-TDFN
25AA020A	2Kb	256 x 8	1.8 to 5.5	SPI	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC020A	2Kb	128 x 8	2.5 to 5.5	SPI	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA040A	4Kb	512 x 8	1.8 to 5.5	SPI	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP



Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
25LC040A	4Kb	512 x 8	2.5 to 5.5	SPI	6-SOT, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA040	4Kb	512 x 8	1.8 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
25C040	4Kb	512 x 8	4.5 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
25LC040	4Kb	512 x 8	2.5 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
25AA080A	8Kb	1K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25AA080B	8Kb	1K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25AA080C	8Kb	1K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA080D	8Kb	1K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC080A	8Kb	1K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25LC080B	8Kb	1K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25LC080C	8Kb	1K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC080D	8Kb	1K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA080	8Kb	1K x 8	1.8 to 5.5	SPI	8-PDIP, 8-SOIC
25C080	8Kb	1K x 8	4.5 to 5.6	SPI	8-PDIP, 8-SOIC
25LC080	8Kb	1K x 8	2.5 to 5.5	SPI	8-PDIP, 8-SOIC
25AA160A	16Kb	2K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25AA160B	16Kb	2K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25AA160C	16Kb	2K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA160D	16Kb	2K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC160A	16Kb	2K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25LC160B	16Kb	2K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
25LC160C	16Kb	2K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC160D	16Kb	2K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA160	16Kb	2K x 8	1.8 to 5.5	SPI	8-PDIP, 8-SOIC
25C160	16Kb	2K x 8	4.5 to 5.6	SPI	8-PDIP, 8-SOIC
25LC160	16Kb	2K x 8	2.5 to 5.6	SPI	8-PDIP, 8-SOIC
25AA320A	32Kb	4K x 8	1.8 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC320A	32Kb	4K x 8	2.5 to 5.5	SPI	8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25AA320	32Kb	4K x 8	1.8 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
25C320	32Kb	4K x 8	4.5 to 5.5	SPI	8-PDIP, 8-SOIC
25LC320	32Kb	4K x 8	2.5 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
25AA640A	64Kb	8K x 8	1.8 to 5.5	SPI	8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
25LC640A	64Kb	8K x 8	2.5 to 5.5	SPI	8-DFN-S, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP

MICROCHIP

	Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
MICROCHIP	25AA640	64Kb	8K x 8	1.8 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
	25LC640	64Kb	8K x 8	2.5 to 5.5	SPI	8-PDIP, 8-SOIC, 8-TSSOP
	25C640	64Kb	8K x 8	4.5 to 5.5	SPI	Call for package information
	25AA128	128Kb	16K x 8	1.8 to 5.5	SPI	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TSSOP
	25LC128	128Kb	16K x 8	2.5 to 5.5	SPI	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TSSOP
	25AA256	256Kb	32K x 8	1.8 to 5.5	SPI	BMPD, 8-DFN-S, 8-PDIP, SOIC, SOIJ, 8-TSSOP
	25LC256	256Kb	32K x 8	2.5 to 5.5	SPI	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ, 8-TSSOP
	25A512	512Kb	64K x 8	1.7 to 3	SPI	8-DFN-S, 8-PDIP, 8-SOIC, 8-TSSOP
	25AA512	512Kb	64K x 8	1.8 to 5.5	SPI	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ
	25LC512	512Kb	64K x 8	2.5 to 5.5	SPI	8-DFN-S, 8-PDIP, 8-SOIC, 8-SOIJ
	25AA1024	1Mb	128K x 8	1.8 to 5.5	SPI	8-SOIJ, 8-DFN-S, 8-PDIP
	25LC1024	1Mb	128K x 8	2.5 to 5.5	SPI	8-SOIJ, 8-DFN-S, 8-PDIP

	Part Number	Density	Organisation	Supply Voltage (V)	Packages
FREMONT MICRO DEVICES	FT25C08A	8Kb	1K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP
	FT25C16A	16Kb	2K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP
	FT25C32A	32Kb	4K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP
	FT25C64A	64Kb	8K x 8	1.8 to 5.5	8-DIP, 8-SOP, 8-TSSOP

### 2.1.3 Microwire

	Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
MICROCHIP	AT93C46D	1Kb	128 x 8 64 x 16	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA
	AT93C46D Automotive	1Kb	128 x 8 64 x 16	2.5 to 5.5	Microwire	8-SOIC, 8-TSSOP
	AT93C46E	1Kb	64 x 16	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC, 8-TSSOP
	AT93C56B	2Kb	256 x 8 128 x 16	1.7 to 5.5	Microwire	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
	AT93C56B Automotive	2Kb	128 x 16 256 x 8	2.5 to 5.5	Microwire	8-SOIC, 8-TSSOP
	AT93C66B	4Kb	512 x 8 256 x 16	1.7 to 5.5	Microwire	8-SOIC, 8-TSSOP, 8-UDFN, 8-VFBGA, 8-XDFN
	AT93C66B Automotive	4Kb	256 x 16 512 x 8	2.5 to 5.5	Microwire	8-SOIC, 8-TSSOP
	AT93C86A	16Kb	2K x 8 1K x 16	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC, 8-TSSOP, 8-UDFN
	AT93C86A Automotive	16Kb	2K x 8 1K x 16	2.7 to 5.5	Microwire	8-SOIC, 8-TSSOP

	Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
MICROCHIP	93AA46A	1Kb	128 x 8	1.8 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93AA46B	1Kb	128 x 8	1.8 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93C46A	1Kb	128 x 8	4.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93C46B	1Kb	128 x 8	4.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93LC46A	1Kb	128 x 8	2.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93LC46B	1Kb	128 x 8	2.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93AA46AE48	1Kb	128 x 8	1.8 to 5.5	Microwire	6-SOT, 8-SOIC
	93AA46C	1Kb	128 x 8	1.8 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93C46C	1Kb	128 x 8	4.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93LC46C	1Kb	128 x 8	2.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93AA46	1Kb	128 x 8	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC
	93LC46	1Kb	128 x 8	2.5 to 5.5	Microwire	8-PDIP, 8-SOIC

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
93AA56A	2Kb	256 x 8	1.8 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93AA56B	2Kb	256 x 8	1.8 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93C56B	2Kb	256 x 8	4.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93LC56A	2Kb	256 x 8	2.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93LC56B	2Kb	256 x 8	2.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93AA56C	2Kb	256 x 8	1.8 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
93C56A	2Kb	256 x 8	4.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93C56C	2Kb	256 x 8	4.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
93LC56C	2Kb	256 x 8	2.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
93AA56	2Kb	256 x 8	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC
93LC56	2Kb	256 x 8	2.5 to 5.5	Microwire	8-PDIP, 8-SOIC
93AA66A	4Kb	512 x 8	1.8 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93AA66B	4Kb	512 x 8	1.8 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93C66A	4Kb	512 x 8	4.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93C66B	4Kb	512 x 8	4.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93LC66A	4Kb	512 x 8	2.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93LC66B	4Kb	512 x 8	2.5 to 5.5	Microwire	6-SOT,8-DFN, 8-MSOP, 8-PDIP-8-SOIC, 8-TDFN, 8-TSSOP
93AA66C	4Kb	512 x 8	1.8 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
93C66C	4Kb	512 x 8	4.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
93LC66C	4Kb	512 x 8	2.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
93AA66	4Kb	512 x 8	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC
93LC66	4Kb	512 x 8	2.5 to 5.5	Microwire	8-PDIP, 8-SOIC
93AA76A	8Kb	1K x 8	1.8 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
93AA76B	8Kb	1K x 8	1.8 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
93C76A	8Kb	1K x 8	4.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
93C76B	8Kb	1K x 8	4.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP

MICROCHIP

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages	
MICROCHIP	93LC76A	8Kb	1K x 8	2.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93LC76B	8Kb	1K x 8	2.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93AA76C	8Kb	1K x 8	1.8 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93C76C	8Kb	1K x 8	4.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93LC76C	8Kb	1K x 8	2.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93LC76	8Kb	1K x 8	2.5 to 5.5	Microwire	8-PDIP, 8-SOIC
	93C76	8Kb	1K x 8	4.5 to 5.5	Microwire	8-PDIP, 8-SOIC
	93AA76	8Kb	1K x 8	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC
	93AA86A	16Kb	2K x 8	1.8 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93AA86B	16Kb	2K x 8	1.8 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93C86A	16Kb	2K x 8	4.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93C86B	16Kb	2K x 8	4.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93LC86A	16Kb	2K x 8	2.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93LC86B	16Kb	2K x 8	2.5 to 5.5	Microwire	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TSSOP
	93AA86C	16Kb	2K x 8	1.8 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93C86C	16Kb	2K x 8	4.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93LC86C	16Kb	2K x 8	2.5 to 5.5	Microwire	8-DFN, 8-MSOP, 8-PDIP- 8-SOIC, 8-TDFN, 8-TSSOP
	93AA86	16Kb	2K x 8	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC
	93LC86	16Kb	2K x 8	2.5 to 5.5	Microwire	8-PDIP, 8-SOIC
93C86	16Kb	2K x 8	4.5 to 5.5	Microwire	8-PDIP, 8-SOIC	

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Package	
FREMONT MICRO DEVICES	FT93C46 A	1Kb	128 x 8 64 x 16	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC, 8-TSSOP
	FT93C56 A	2Kb	256 x 8 128 x 16	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC, 8-TSSOP
	FT93C66 A	4Kb	512 x 8 256 x 16	1.8 to 5.5	Microwire	8-PDIP, 8-SOIC, 8-TSSOP

## 2.1.4 Low-Energy CBRAM

Part Number	Density	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
RM24C32	32Kb	2.7 to 3.6	400KHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP
RM24C32C-L	32Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM24C32DS	32Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM25C32	32Kb	2.7 to 3.6	5MHz	SPI	8-SOIC, 8-TSSOP
RM25C32C-L	32Kb	1.65 to 3.6	10MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM25C32DS	32Kb	1.65 to 3.6	20MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM24C64	64Kb	2.7 to 3.6	400KHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP
RM24C64C-L	64Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM24C64DS	64Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM25C64	64Kb	2.7 to 3.6	5MHz	SPI	8-SOIC, 8-TSSOP
RM25C64C-L	64Kb	1.65 to 3.6	10MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM25C64DS	64Kb	1.65 to 3.6	20MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM24C128C-L	128Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM24C128DS	128Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM25C128C-L	128Kb	1.65 to 3.6	10MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM25C128DS	128Kb	1.65 to 3.6	20MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM24C256C-L	256Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM24C256DS	256Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM25C256C-L	256Kb	1.65 to 3.6	10MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM25C256DS	256Kb	1.65 to 3.6	20MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, WLCSP
RM24C512C-L	512Kb	1.65 to 3.6	1MHz	I <sup>2</sup> C	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP
RM25C512C-L	512Kb	1.65 to 3.6	20MHz	SPI	8-SOIC, 8-TSSOP, 8-UDFN, 6-WLCSP

## 2.1.5 SMART Card / IC Card

Part Number	Data Memory	Prot. Memory	Supply Voltage (V)	Interface
FREMONT MICRO DEVICES FT4442	256 x 8bit	32 x 1bit	2.0 to 5.5	I <sup>2</sup> C, Write Protect, PSC

## 2.1.6 UNI 0® Serial EEPROM Family

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages
MICROCHIP 11AA010	1Kb	128 x 8	1.8 to 5.5	UN®	8-PDIP, 8-TDFN, 3-SOT, 8-SOIC, 8-MSOP, 3-TO
MICROCHIP 11LC010	1Kb	128 x 8	2.5 to 5.5	UN®	8-PDIP, 8-TDFN, 3-SOT, 8-SOIC, 8-MSOP, 3-TO

Part Number	Density	Organisation	Supply Voltage (V)	Interface	Packages	
MICROCHIP	11AA020	2Kb	256 x 8	1.8 to 5.5	UN®	3-SOT, 3-TO, 4-CSP, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11LC020	2Kb	256 x 8	2.5 to 5.5	UN®	3-SOT, 3-TO, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11AA040	4Kb	512 x 8	1.8 to 5.5	UN®	3-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11LC040	4Kb	512 x 8	2.5 to 5.5	UN®	3-SOT, 3-TO, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11AA080	8Kb	1K x 8	1.8 to 5.5	UN®	3-SOT, 3-TO, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11LC080	8Kb	1K x 8	2.5 to 5.5	UN®	3-SOT, 3-TO, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11AA160	16Kb	2K x 8	1.8 to 5.5	UN®	3-SOT, 3-TO, 4-CSP, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11AA161	16Kb	2K x 8	1.8 to 5.5	UN®	3-SOT, 3-TO, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11LC160	16Kb	2K x 8	2.5 to 5.5	UN®	3-SOT, 3-TO, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN
	11LC161	16Kb	2K x 8	2.5 to 5.5	UN®	3-SOT, 3-TO, 8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN



## 2.1.7 SPD Memories for DIMM-Modules

### 2.1.7.1 for DDR1

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages	
MICROCHIP	24LC21	1Kb	128 x 8	2.5 to 5.5	400kHz	I <sup>2</sup> C	8-PDIP, 8-SOIC
	24LCS21	1Kb	128 x 8	2.5 to 5.5	400kHz	I <sup>2</sup> C	Please call for package information
	24AA025	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 6-SOT, 8-DFN, 8-TDFN, 8-TSSOP, 8-SOIC, 8-PDIP
	24LC025	2Kb	256 x 8	2.5 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 6-SOT, 8-DFN, 8-TDFN, 8-TSSOP, 8-SOIC, 8-PDIP
	24LC024	2Kb	256 x 8	2.5 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-TDFN, 8-TS-SOP, 8-SOIC, 8-PDIP
	24AA52	2Kb	256 x 8	1.8 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-TDFN, 8-TS-SOP, 8-SOIC, 8-PDIP
	24LCS52	2Kb	256 x 8	2.5 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-TDFN, 8-TS-SOP, 8-SOIC, 8-PDIP
	24AA52	2Kb	256 x 8	1.8 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-TDFN, 8-TS-SOP, 8-SOIC, 8-PDIP
	24LCS52	2Kb	256 x 8	2.5 to 5.5	400kHz	I <sup>2</sup> C	8-MSOP, 8-DFN, 8-TDFN, 8-TS-SOP, 8-SOIC, 8-PDIP

### 2.1.7.2 for DDR2/3

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages	
MICROCHIP	34AA02	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	34LC02	2Kb	256 x 8	2.2 to 5.5	1MHz	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	24AA024	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	8-DFN, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP
	34VL02	2Kb	256 x 8	1.5 to 3.6	400kHz	I <sup>2</sup> C	6-SOT, 8-MSOP, 8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP

### 2.1.7.3 for DDR4

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages	
MICRO-CHIP	34AA04	4Kb	128 x 8	1.7 to 3.6	1MHz	I <sup>2</sup> C	8-PDIP, 8-SOIC, 8-TDFN, 8-TSSOP, 8-UDFN

## 2.2 Parallel EEPROM

Part Number	Density	Organisation	Supply Voltage (V)	Access Time	Packages	
MICROCHIP	AT28BV64B	64Kb	8K x 8	2.7 to 3.6	200ns	28-PDIP, 32-PLCC, 28-SOIC, 28-TSOP
	AT28C64B	64Kb	8K x 8	4.5 to 5.5	150ns	28-PDIP, 32-PLCC, 28-SOIC, 28-TSOP
	AT28HC64B	64Kb	8K x 8	4.5 to 5.5	70ns, 90ns, 120ns	28-PDIP, 32-PLCC, 28-SOIC, 28-TSOP
	AT28HC64BF	64Kb	8K x 8	4.5 to 5.5	70ns, 90ns, 120ns	32-PLCC, 28-SOIC
	AT28BV256	256Kb	32K x 8	2.7 to 3.6	200 ns	32-PLCC, 28-SOIC, 28-TSOP
	AT28C256	256Kb	32K x 8	4.5 to 5.5	150ns, 200ns, 250ns, 300ns, 350ns	28-CERDIP, 32-LCC, 28-PGA, 32-PLCC, 28-SOIC, 28-TSOP
	AT28HC256	256Kb	32K x 8	4.5 to 5.5	70ns, 90ns, 120ns	28-CERDIP, 32-LCC, 28-PDIP, 28PGA, 32-PLCC, 28-SOIC, 28-TSOP
	AT28C010	1Mb	128K x 8	4.5 to 5.5	120ns, 150ns	32-PLCC, 32-TSOP
	AT28LV010	1Mb	128K x 8	3.0 to 3.6	200ns, 250ns	32-PLCC, 32-TSOP
	AT28C040	4Mb	512K x 8	4.5 to 5.5	200ns	44-LCC

## 2.3 OTP EPROM

Part Number	Density	Organisation	Supply Voltage (V)	Access Time	Packages	
MICROCHIP	AT27BV256	256Kb	32K x 8	2.7	70ns	32-PLCC, 28-TSOP
	AT27LV256A	256Kb	32K x 8	3	90ns	32-PLCC, 28-TSOP
	AT27C256R	256Kb	32K x 8	5	45ns, 70ns	28-PDIP, 32-PLCC, 28-TSOP
	AT27LV512A	512Kb	64K x 8	3	90ns	32-PLCC, 28-TSOP
	AT27C512R	512Kb	64K x 8	5	45ns, 70ns	28-PDIP, 32-PLCC, 28-TSOP
	AT27BV010	1Mb	128K x 8	2.7	90ns	32-PLCC, 32-TSOP
	AT27BV1024	1Mb	64K x 16	2.7	90ns, 120ns	44-PLCC
	AT27LV010A	1Mb	128K x 8	3	70ns	32-PLCC, 32-TSOP
	AT27C010	1Mb	128K x 8	5	45ns, 70ns	32-PDIP, 32-PLCC, 32-TSOP
	AT27C1024	1Mb	64K x 16	5	45ns, 70ns	44-PDIP, 44-PLCC
	AT27LV020A	2Mb	256K x 8	3	90ns	32-PLCC, 32-TSOP
	AT27C020	2Mb	256K x 8	5	55ns, 90ns	32-PDIP, 32-PLCC, 32-TSOP
	AT27C2048	2Mb	128K x 16	5	55ns, 90ns	40-PDIP, 44-PLCC
	AT27LV040A	4Mb	512K x 8	3	90ns	32-PLCC, 32-TSOP
	AT27C040	4Mb	512K x 8	5	70ns, 90ns	32-PDIP, 32-PLCC, 32-TSOP
	AT27C4096	4Mb	256K x 16	5	55ns, 90ns	40-PDIP, 44-PLCC
	AT27C080	8Mb	1024K x 8	5	90ns, 120ns	32-PDIP, 32-PLCC, 32-TSOP

## 2.4 Serial MAC Address Memories

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	IDType	Packages	
MICROCHIP	AT24MAC402	2Kb	256 x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	EUI-48	8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, Wafer
	AT24MAC602	2Kb	256 x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	EUI-64	8-SOIC, 5-SOT, 8-TSSOP, 8-UDFN, Wafer

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	IDType	Packages	
MICROCHIP	93AA46AE48	1Kb	128 x 8	1.8 to 5.5	2MHz	Microwire	EUI-48	6-SOT, 8-SOIC
	24AA02E48	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	EUI-48	5-SOT, 8-SOIC
	24AA02E64	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	EUI-64	5-SOT, 8-SOIC
	24AA025E48	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	EUI-48	6-SOT, 8-SOIC
	24AA025E64	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	EUI-64	6-SOT, 8-SOIC
	11AA02E48	2Kb	256 x 8	1.8 to 5.5	100kHz	UN <sup>®</sup>	EUI-48	3-SOT, 8-SOIC
	11AA02E64	2Kb	256 x 8	1.8 to 5.5	100kHz	UN <sup>®</sup>	EUI-64	3-SOT, 8-SOIC
	25AA02E48	2Kb	256 x 8	1.8 to 5.5	10MHz	SPI	EUI-48	6-SOT, 8-SOIC
	25AA02E64	2Kb	256 x 8	1.8 to 5.5	10MHz	SPI	EUI-64	6-SOT, 8-SOIC

## 2.5 Unique ID Chip Products

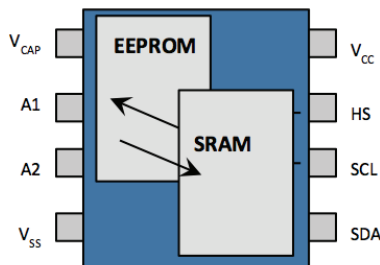
Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Unique ID	Packages	
MICROCHIP	AT24CS01	1Kb	128 x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 23-SOT, 8-TSSOP, UDFN, Wafer
	AT24CS02	2Kb	256 x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 23-SOT, 8-TSSOP, UDFN, Wafer
	AT24CS04	4Kb	512 x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 23-SOT, 8-TSSOP, UDFN, Wafer
	AT24CS08	8Kb	1K x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 23-SOT, 8-TSSOP, UDFN, Wafer
	AT24CS16	16Kb	2K x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 23-SOT, 8-TSSOP, UDFN, Wafer
	AT24CS32	32Kb	4K x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 23-SOT, 8-TSSOP, UDFN, Wafer
	AT24CS64	64Kb	8K x 8	1.7 to 5.5	1MHz	I <sup>2</sup> C	128-bit serial number	8-SOIC, 8-TSSOP, UDFN, Wafer

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Unique ID	Packages	
MICROCHIP	24AA02UID	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	32-bit Serial Number	5-SOT, 8-PDIP, 8-SOIC
	24AA025UID	2Kb	256 x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	32-bit Serial Number	6-SOT, 8-PDIP, 8-SOIC
	11AA02UID	2Kb	256 x 8	1.8 to 5.5	100kHz	UN <sup>®</sup>	32-bit Serial Number	3-SOT, 8-SOIC
	25AA02UID	2Kb	256 x 8	1.8 to 5.5	10MHz	SPI	32-bit Serial Number	6-SOT, 8-SOIC
	24AA256UID	256Kb	32K x 8	1.7 to 5.5	400kHz	I <sup>2</sup> C	EUI-48, EUI-64 and 32-bit Serial Number	8-PDIP, 8-SOIC, 8-TSSOP

### 3. EERAM

**EERAM is a standalone SRAM memory with shadow EEPROM backup** that helps retain the contents of the SRAM memory when system power is lost. The **EERAM uses a small external capacitor** to provide the energy needed to store the contents of the SRAM on to the EEPROM when system power is lost. **Unlike NVSRAM, no external battery is needed.** EERAM offers unlimited erase and write cycles to the memory and FRAM-like functionality at a fraction of the price.

#### Combines Reliability of EEPROM with Performance of SRAM



- 4Kb - 16Kb I<sup>2</sup>C
- Nonvolatile (with external capacitor)
- Unlimited erase/write cycles
- Instantaneous, random read/write
- -40°C to +125°C
- Write Protect: Quarter, Half Whole Array

Part Number	Density (bits)	Organisation	Max. Clock Freq.	Data Retention (Years)	Typ. Standby Current	Supply Voltage (V)	Packages	
MICROCHIP	47C04	4K	512 x 8	1 MHz	200+	~40 $\mu$ A	4.5 to 5.5	DIP 8, SOIC 8, TSSOP
	47L04	4K	512 x 8	1 MHz	200+	~40 $\mu$ A	2.7 to 3.6	DIP 8, SOIC 8, TSSOP
	47C16	16K	2K x 8	1 MHz	200+	~40 $\mu$ A	4.5 to 5.5	DIP 8, SOIC 8, TSSOP
	47L16	16K	2K x 8	1 MHz	200+	~40 $\mu$ A	2.7 to 3.6	DIP 8, SOIC 8, TSSOP

## 4. SRAM

### 4.1 Serial SRAM

Part Number	Density	Organisation	Vcc	Access Time	Temp. range	Packages
LP621024E	1Mb	128K x 8	5V	55ns, 70ns	0°C to +70°C / -40°C to +85°C	32-SOP, 32-TSOP, 32-TSSOP
LP621024D	1Mb	128K x 8	5V	70ns	-25°C to +85°C / -40°C to +85°C / 0°C to +70°C	32-DIP, 32-SOP, 32-TSOP, 32-TS- SOP
LP62S1024B	1Mb	128K x 8	3V	55ns, 70ns	-25°C to +85°C / -40°C to +85°C	32-SOP, 32-TSOP, 32-TSSOP
LP62S1664C	1Mb	64K x 16	3V	55ns, 70ns	-40°C to +85°C	44-TSOP, 48-BGA
LP62E16128A	2Mb	128K x 16	1.8V	70ns	-25°C to +85°C / -40°C to +85°C	44-TSOP, 48-CSP
LP62S16128B	2Mb	128K x 16	3V	55ns, 70ns	-25°C to +85°C / -40°C to +85°C / -40°C to +105°C	44-TSOP, 48-CSP
LP62S2048A	2Mb	256K x 8	3V	70ns	-25°C to +85°C / -40°C to +85°C	32-SOP, 32-TSOP, 32-TSSOP
LP62S16256G	4Mb	256K x 16	3V	55ns, 70ns	-25°C to +85°C / -40°C to +85°C	44-TSOP, 48-CSP
LP62S4096E	4Mb	512K x 8	3V	55ns, 70ns	-25°C to +85°C / -40°C to +85°C	32-TSSOP, 36-CSP
LP62S16512A	8Mb	512K x 16	3V	45ns, 55ns, 70ns	-40°C to +85°C	48-CSP, 44-TSOP
LP62S161024	16Mb	1024K x 16	3V	70ns	-40°C to +85°C	48-CSP, 44-TSOP
LP62E161024	16Mb	1024K x 16	1.8V	70ns	-40°C to +85°C	48-CSP, 44-TSOP
A623308A	64Kb	8K x 8	5V	70ns	-40°C to +85°C	28-SOP, 28-TSOP
A625308A	256Kb	32k x 8	5V	70ns	-40°C to +85°C	28-SOP, 28-TSOP
A62S6308A	512Kb	64K x 8	3V	55ns	-40°C to +85°C	32-SOP, 32-TSOP, 32-TSOP

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
23A640	64Kb	8K x 8	1.5 to 1.95	16MHz	SPI	8-PDIP, 8-SOIC, 8-TSSOP
23K640	64Kb	8K x 8	2.7 to 3.6	20MHz	SPI	8-PDIP, 8-SOIC, 8-TSSOP
23K256	256Kb	32K x 8	2.7 to 3.6	20MHz	SPI	8-PDIP, 8-SOIC, 8-TSSOP
23A512	512Kb	64K x 8	1.7 to 2.2	20MHz	SPI,SDI,SQI	8-PDIP, 8-SOIC, 8-TSSOP
23LC512	512Kb	64K x 8	2.5 to 5.5	20MHz	SPI,SDI,SQI	8-PDIP, 8-SOIC, 8-TSSOP
23A1024	1Mb	128K x 8	1.7 to 2.2	20MHz	SPI,SDI,SQI	8-PDIP, 8-SOIC, 8-TSSOP
23LC1024	1Mb	128K x 8	2.5 to 5.5	20MHz	SPI,SDI,SQI	8-PDIP, 8-SOIC, 8-TSSOP

## 4.2 Serial Non-Volatile SRAM

	Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Interface	Packages
MICROCHIP	23LCV512	512Kb	64K x 8	2.5 to 5.5	20MHz	SPI,SDI	8-PDIP, 8-SOIC, 8-TSSOP
	23LCV1024	1Mb	128K x 8	2.5 to 5.5	20MHz	SPI,SDI	8-PDIP, 8-SOIC, 8-TSSOP

## 5. DRAM

### 5.1 SDRAM

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages	
AMIC	A43L0616B	16Mb	1M x 16	3.3	143MHz 166MHz	-40°C to +85°C	54-CSP 50-TSOP_II
	A43L1616B	32Mb	2M x 16	3.2	143MHz 166MHz	-40°C to +85°C	54-CSP 50-TSOP_II
	A43L2616B	64Mb	4M x 16	3.3	143MHz 166MHz	-40°C to +85°C	54-TSOP
	A43L3616A	128Mb	8M x 16	3.3	143MHz	-40°C to +85°C	54-CSP 54-TSOP_II
	A43L4616A	256Mb	16M x 16	3.3	166MHz 143MHz 133MHz	-40°C to +85°C	54-TSOP_II

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages	
ZENTEL	A3V64S40GTP	64Mb	4M x 16	3.3	166MHz	0°C to +70°C -25°C to +85°C	54-TSOP_II
	A3V28S30FTP	128Mb	16M x 8	3.3	167MHz	0°C to +70°C	54-TSOP_II
	A3V28S40JTP	128Mb	8M x 16	3.3	168MHz	0°C to +70°C	54-TSOP_II
	A3V28S40FTP	128Mb	8M x 16	3.3	169MHz	-25°C to +85°C	54-TSOP_II
	A3V56S30GTP	256Mb	32M x 8	3.3	166MHz	0°C to +70°C	54-TSOP_II
	A3V56S40GTP	256Mb	16M x 16	3.3	166MHz	0°C to +70°C -25°C to +85°C	54-TSOP_II

### 5.2 Mobile SDRAM

Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages	
AMIC	A43E16161	32M	2M x 16	1.8	133MHz	-40°C to +85°C	54-CSP 54-TSOP_II
	A43P26161	64M	4M x 16	2.5	105MHz 133MHz	-40°C to +85°C	54-CSP 54-TSOP_II
	A43P261612	64M	4M x 16	2.5	105MHz 133MHz	0°C to + 70°C -40°C to +85°C	54-CSP 54-TSOP_II



### 5.3 DDR1 SDRAM

	Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages
ZENTELE	A3S64D40GTP	64Mb	4M x 16	2.5	400MHz	0°C to + 70°C	66-TSOP_II
	A3S28D40JTP	128Mb	8M x 16	2.5	400MHz	0°C to +70°C	66-TSOP_II
	A3S28D40FTP	128Mb	8M x 16	2.5	400MHz	-25°C to +85°C	66-TSOP_II
	A3S56D40GTP	256Mb	16M x 16	2.5	400MHz	0°C to +70°C -25°C to +85°C	66-TSOP_II

### 5.4 DDR2 SDRAM

	Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages
ZENTELE	A3R56E40ABF	256Mb	16M x 16	1.8	800MHz	0°C to +95°C -40°C to +95°C -40°C to +105°C	84-FBGA
	A3R12E30DBF	512Mb	64M x 8	1.8	800MHz	0°C to +95°C -40°C to +95°C -40°C to +105°C	60-FBGA
	A3R12E40DBF	512Mb	32M x 16	1.8	800MHz	0°C to +95°C -40°C to +95°C -40°C to +105°C	84-FBGA
	A3R1GE40JBF	1Gb	64M x 16	1.8	800MHz	0°C to +85°C -40°C to +85°C	84-FBGA
	A3R1GE30JBF	1Gb	128M x 8	1.8	800MHz	0°C to +95°C -40°C to +95°C	60-FBGA

### 5.5 DDR3 SDRAM

	Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages
ZENTELE	A3T4GF30ABF-GM	4Gb	256M x 8	1.5	1600MHz	0°C to +95°C -40°C to +95°C	96-FBGA
	A3T4GF40ABF-GM	4Gb	128M x 16	1.5	1600MHz	0°C to +95°C -40°C to +95°C	78-FBGA
	A3T4GF30ABF-GML	4Gb	256M x 8	1.35	1600MHz	0°C to +95°C -40°C to +95°C	96-FBGA
	A3T4GF40ABF-GML	4Gb	128M x 16	1.35	1600MHz	0°C to +95°C -40°C to +95°C	78-FBGA

### 5.6 Low Power Pseudo Static RAM

	Part Number	Density	Organisation	Supply Voltage (V)	Max.Clock Freq.	Temp.Range	Packages
AMIC	A64E06161	16MB	1M x 16	1.8	70MHz	-25°C to +85°C 0°C to + 70°C	48-Mini BGA

## 6. Ineltek Support

Time to Market has never been more important than it is today. The ability to quickly capitalise on investment is critical to all businesses. By shortening the development cycle, there are two distinct advantages for your business: your development costs are minimised and the opportunity to gain competitive advantage from technological advances in your products is maximised.

The ramification of this development proves to be a major challenge as well as a tremendous dilemma for any Design Engineer. For one thing, whilst organisations have to zero in on the complex business of component selection, they need to simultaneously worry about the success of their projects. As well as this, it is vital to select the most suitable product in terms of price and technical compatibility. In conjunction with the wide range of products and product announcements, this task becomes increasingly challenging.

This is the point where we are able to add true value.

Through our in-depth, long-term experience of electronic components and displays, we are able to advise the appropriate solution for your applications which:

- best fits your requirements
- meets the available budget
- is available for the lifetime of your product

We are on hand to help and advise you during the training period as well. Considering the current complexity of microcontrollers and their toolsets, you can waste a lot of time on research and on trial and error in development. You can save a great deal of this time with specific product training by Ineltek.

Technical questions and issues frequently arise, especially during the development period. Ineltek helps and advises on site, by phone or via e-mail to help ensure a fluid development phase. Our team of experienced and well educated Application Engineers is the foundation of the service we provide.

**To receive more detailed information like data sheets, price information or samples, please contact an Ineltek office (please view reverse side) in your area, or contact us at [info@ineltek.com](mailto:info@ineltek.com).**



## Contact

### HEADQUARTER

INELTEK GmbH  
Hauptstrasse 45  
89522 Heidenheim  
Phone: +49 7321 93850  
Email: [info@ineltek.com](mailto:info@ineltek.com)  
Web: [www.ineltek.com](http://www.ineltek.com)

INELTEK GmbH  
Zur Alten Baumschule 9  
82418 Murnau-Seehausen  
Phone: +49 8841 48870

INELTEK Ltd.  
Unit 2B Saturn House  
Calleva Park, Aldermaston  
Berkshire, RG7 8HA  
United Kingdom  
Phone: +44 1189 703388  
Email: [info@ineltek.co.uk](mailto:info@ineltek.co.uk)

Anatronic S.A.  
Rua Capitão Leitão, N° 26 - 1°Esq  
2800-132 Almada  
Portugal  
Phone: +351 21 9376267  
Email: [info@anatronic.com](mailto:info@anatronic.com)  
Web: [www.anatronic.com](http://www.anatronic.com)

### German Offices

INELTEK Nord GmbH  
Lindenallee 84c  
22869 Schenefeld  
Phone: +49 40 839 6040

### International Offices

INELTEK Ges.m.b.H.  
Schlüsselgasse 1  
2000 Stockerau  
Austria  
Phone: +43 2266 982510  
Email: [office@ineltek.at](mailto:office@ineltek.at)

INELTEK Inc. Milwaukee  
823 N Waterville Rd  
Oconomowoc, WI 53066  
USA  
Phone: +1 262 5650159  
Email: [usa@ineltek.com](mailto:usa@ineltek.com)

JM Elektronik sp. z o.o.  
Ul. Karolinki 58  
44-100 Gliwice  
Poland  
Phone: +48 32 3396900  
Email: [sprzedaz@jm.pl](mailto:sprzedaz@jm.pl)  
Web: [www.jm.pl](http://www.jm.pl)

INELTEK GmbH  
Nizzastrasse 6  
01445 Radebeul  
Phone: +49 351 87376350

INELTEK Italy  
Piazza della Serenissima 20  
31033 Castelfranco Veneto(TV)  
Italy  
Phone: +39 0423 497705  
Email: [italy@ineltek.com](mailto:italy@ineltek.com)

### Network

Anatec AG  
Sumpfstrasse 7  
6300 Zug  
Switzerland  
Phone: +41 41 7483232  
Email: [info@anatec.ch](mailto:info@anatec.ch)  
Web: [www.anatec.ch](http://www.anatec.ch)

Alcom Electronics BV  
Rivium 1e straat 52  
2909 LE Capelle a/d IJssel  
Netherlands  
Phone: +31 10 2882500  
Email: [info@alcom.nl](mailto:info@alcom.nl)  
Web: [www.alcom.nl](http://www.alcom.nl)

INELTEK Mitte GmbH  
Industriestrasse 27  
63834 Sulzbach  
Phone: +49 6028 99380

INELTEK Russia  
Leningradskoe sh., d. 92A  
125565 Moscow  
Russia  
Phone: +7 495 9759180  
Email: [russia@ineltek.com](mailto:russia@ineltek.com)

Anatronic S.A.  
Pso. Imperial N.8, 3°B  
28005 Madrid  
Spain  
Phone: +34 91 3660159  
Email: [info@anatronic.com](mailto:info@anatronic.com)  
Web: [www.anatronic.com](http://www.anatronic.com)

Alcom Electronics BV  
Singel 3  
2550 Kontich  
Belgium  
Phone: +32 3 4583033  
Email: [info@alcom.be](mailto:info@alcom.be)  
Web: [www.alcom.be](http://www.alcom.be)