

EPROMs, EEPROMs and FLASH Memory — continued

FLASHFILE™ Memory

SEM214 INTEL

8Mb	Pins	Description	Vcc =	Mfrs. List No.	Order Code	1+	3+	10+	Price Each
28F008	44	8Mb (1M x 8) FLASHFILE CMOS memory – 85ns Access.....	5V±10%	PA28F008SA-85	SMD 492-176†				

† Available until stocks are exhausted

Memory Modules/Non-Volatile RAMs

Non-Volatile CMOS RAMs with Battery Back-up



The ZEROPOWER NVRAM is a non-volatile RAM with internal lithium battery, directly replacing industry standard SRAMs.

- Features:
- Power-fail control circuit
 - 10 years of data retention in power absence
 - Unlimited write cycles
 - Pin and function compatible with standard SRAMs
 - Automatic power-fail chip deselect and write protect

SEM566

Pins	Description	Mfrs. List No.	Order Code	1+	10+	100+	250+	500+	Price Each
4	SNAPHAT™ battery for the M48Z08/18 range.....	M4Z28BR00SH1	688-344						
4T32	SNAPHAT™ lithium battery & Crystal (130mAh) for TIMEKEEPER™ products and TIMEKEEPER™ controllers.....	M4T32-BR12SH1	334-2270						
4T32	SNAPHAT™ lithium battery & Crystal (130mAh) for TIMEKEEPER™ products and TIMEKEEPER™ controllers, IND TEMP.....	M4T32-BR12SH6	334-2281						
4Z32	SNAPHAT™ lithium battery (130mAh) for ZEROPOWER™ products and NVRAM controllers.....	M4Z32-BR00SH1	334-2268						
40Z111	28 SNAPHAT™ NVRAM Controller, 5V ±10%, or 5V +10/-5%, selectable Power-fail deselect voltage, controls 1Mb to 4Mb LPSRAM.....	M40Z111MH1	SMD 334-2207						
40Z111	28 SNAPHAT™ NVRAM Controller, 3.0V ±10%, or 3.3V ±10%, selectable Power-fail deselect voltage, controls 1Mb to 4Mb LPSRAM.....	M40Z111WMH1	SMD 334-2219						
40Z300	28 SNAPHAT™ NVRAM Controller, 5V ±10%, or 5V +10/-5%, selectable Power-fail deselect voltage, controls up to four 1Mb to 4Mb LPSRAMs, Featuring Reset output and Battery Low output.....	M40Z300MH1	SMD 334-2220						
40Z300	28 SNAPHAT™ NVRAM Controller, 3V ±10%, or 3.3V +10%, selectable Power-fail deselect voltage, controls up to four 1Mb to 4Mb LPSRAMs, Featuring Reset output and Battery Low output.....	M40Z300WMH1	SMD 334-2232						
41T00	8 Serial access TIMEKEEPER™ Real-time Clock/Calendar, 2.0 to 5.5V, I ² C bus compatible, Y2K compliant, IND TEMP.....	M41T00M6	SMD 334-2566						
41T11	8 512-bit (64b 8) Serial access TIMEKEEPER™ SRAM, 2.0 to 5.5V, I ² C bus compatible, 56 Bytes of general purpose RAM, Century register, IND TEMP.....	M41T11M6	SMD 334-2578						
41T11	28 512-bit (64b 8) Serial access TIMEKEEPER™ SRAM, 2.0 to 5.5V, I ² C bus compatible, 56 Bytes of general purpose RAM, Century register, IND TEMP (requires SNAPHAT™ Battery & Crystal).....	M41T11MH6	SMD 334-2580						
41T56	8 512-bit (64b 8) Serial access TIMEKEEPER™ SRAM, I ² C bus compatible, 56 Bytes of general purpose RAM, Century register, 5.0V ±10%, IND TEMP.....	M41T56M6	SMD 334-2591						
41T56	28 512-bit (64b 8) Serial access TIMEKEEPER™ SRAM, I ² C bus compatible, 56 Bytes of general purpose RAM, Century register, 5.0V ±10%, IND TEMP, (requires SNAPHAT™ Battery & Crystal).....	M41T56MH6	SMD 334-2608						
41T56	8 512-bit (64b 8) Serial access TIMEKEEPER™ SRAM, I ² C bus compatible, 56 Bytes of general purpose RAM, 5V ±10%, IND TEMP.....	M41T56N00	334-2610						
48T02	DIP/24 16K (2K 8) TIMEKEEPER™ SRAM - 70ns, 5V +10%/-5%.....	M48T02-70PC1	334-2475						
48T35	28 256K (32K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10%, Century register, (requires SNAPHAT™ Battery & Crystal).....	M48T35Y-70MH1	SMD 334-2529						
48T37	44 256K (32K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10%, Watchdog, Reset O/P, Alarms, Battery low flag, Wake-up, Century register, (requires SNAPHAT™ Battery & Crystal).....	M48T37Y-70MH1	SMD 334-2530						
48T58	28 64K (8K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10% (requires SNAPHAT battery & crystal).....	M48T58Y-70MH1	SMD 334-2487						
48T58	DIP/28 64K (8K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10%.....	M48T58Y-70PC1	334-2499						
48T59	28 64K (8K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10%, Watchdog, reset O/P, Alarms, Battery low Flag, Wake-up (requires SNAPHAT Battery & Crystal).....	M48T59Y-70MH1	SMD 334-2505						
48T59	DIP/28 64K (8K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10%, Watchdog, reset O/P, Alarms, Battery low Flag, Wake-up.....	M48T59Y-70PC1	334-2517						
48T86	28 5V PC Real-time Clock, Drop-in replacement for PC Clock/Calendar, Pin and functionally compatible with DS128887, 1Kb (128b 8). Requires SNAPHAT™ Battery & crystal.....	M48T86MH1	334-2621						
48T128	DIP/32 1M (128K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10% (integral Battery & Crystal).....	M48T128Y-70PM1	334-2542						
48T201	44 TIMEKEEPER™ Controller for up to 8 x 512K LPSRAMs, 85ns, 3.3V ±10%, Watchdog, Reset O/P, Alarms, Battery Low flag, Square Wave O/P, Century register (requires SNAPHAT™ Battery & Crystal).....	M48T201V-85MH1	SMD 334-2256						
48T201	44 TIMEKEEPER™ Controller for up to 8 x 512K LPSRAMs, 70ns, 5V ±10%, Watchdog, Reset O/P, Alarms, Battery Low flag, Square Wave O/P, Century register (requires SNAPHAT™ Battery & Crystal).....	M48T201Y-70MH1	SMD 334-2244						
48T512	DIP/32 4M (512K 8) TIMEKEEPER™ SRAM - 70ns, 5V ±10% (integral Battery & Crystal).....	M48T512Y-70PM1	334-2554						
48Z02	DIP/24 16K (2K 8) ZEROPOWER™ SRAM - 70ns, 5V +10%/-5%.....	M48Z02-70PC1	334-2293						
48Z02	24 16K (2K 8) ZEROPOWER™ SRAM - 150ns Access.....	M48Z02-150PC1	504-968						
48Z02	24 16K (2K 8) ZEROPOWER™ SRAM - 200ns Access.....	M48Z02-200PC1	688-472						
48Z08	28 64K (8K 8) ZEROPOWER™ SRAM - 100ns Access V _{CC} = 4.75V to 5.5V.....	M48Z08-100PC1	504-970						
48Z18	28 64K (8K 8) ZEROPOWER™ SRAM - 100ns Access V _{CC} = 4.5V to 5.5V.....	M48Z18-100PC1	504-981						
48Z22	DIP/36 16M (2M 8) ZEROPOWER™ SRAM - 70ns, 5V ±10%.....	M48Z2M1Y-70PL1	334-2463						
48Z35	28 256K (32K 8) SNAPHAT™ SRAM - 70ns, 5V ±10% (requires battery).....	M48Z35Y-70MH1	SMD 334-2323						
48Z35	28 256K (32K 8) SNAPHAT™ SRAM - 70ns, 5V ±10% (requires battery) IND TEMP.....	M48Z35Y-70MH6	SMD 334-2335						
48Z35	DIP/28 256K (32K 8) ZEROPOWER™ SRAM - 70ns, 5V ±10%.....	M48Z35Y-70PC1	334-2440						
48Z58	28 64K (8K 8) ZEROPOWER™ CMOS SRAM - 70ns Access, V _{PPD} < 4.75V.....	M48Z58-70PC1	688-484						
48Z58	28 64K (8K 8) SNAPHAT™ SRAM - 70ns, 5V ±10% (requires battery).....	M48Z58Y-70MH1	SMD 334-2300						
48Z58	28 64K (8K 8) SNAPHAT™ SRAM - 70ns, 5V ±10% (requires battery) IND TEMP.....	M48Z58Y-70MH6	SMD 334-2311						
48Z58	28 64K (8K 8) ZEROPOWER™ CMOS SRAM - 70ns Access, V _{PPD} < 4.5V.....	M48Z58Y-70PC1	688-496						
48Z30	28 256K (32K 8) ZEROPOWER™ CMOS SRAM - 100ns Access.....	M48Z30-100PM1	688-642						
48Z128	32 1M (128K 8) ZEROPOWER™ CMOS SRAM - 85ns Access.....	M48Z128-85PM1	688-502						
48Z129V	DIP/32 1M (128K 8) ZEROPOWER™ SRAM - 70ns, 3.3V ±10%, Reset O/P, Battery Low O/P.....	M48Z129V-85PM1	334-2451						

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