

Static RAM Support ICs



SEM67

Pins	Description
1210	8 Non-Volatile Controller, 1 RAM
1210	16 Non-Volatile Controller, 1 RAM
1211	20 Non-Volatile Controller, 8 RAMs.....
1213B	28 Smart Socket – accepts 2K 8 or 8K 8 RAMs.....
1213C	28 Smart Socket – accepts 8K 8 or 32K 8 RAMs.....
1213D	32 Smart Socket – accepts 8K 8, 32K 8, 128K 8 or 512K 8 RAMs.....
1216B	28 Smart Watch – accepts 2K 8 or 8K 8 RAMs.....
1216C	28 Smart Watch – accepts 8K 8 or 32K 8 RAMs.....
1216D	32 Smart Watch – accepts 8K 8, 32K 8, 128K 8 or 512K 8 RAMs.....
1221	16 Non-Volatile Controller, 4 RAMs.....
1221	16 Non-Volatile Controller, 4 RAMs.....
1236	16 Micro Manager Chip.....

Mfrs. List No.	Order Code	Price Each		
		1+	10+	100+
DS1210	392-728			
DS1210S	SMD 703-448			
DS1211	392-730			
DS1213B	485-342			
DS1213C	392-753			
DS1213D	485-275			
DS1216B	485-354			
DS1216C	392-765			
DS1216D	485-287			
DS1221	485-366†			
DS1221S	SMD 703-450†			
DS1236-10	391-396.			

† Available until stocks are exhausted

Field Memory

OKI

These devices have applications in HDTVs, NTSC TVs, VTRs, digital movies and multimedia systems. They provide data by high speed serial access. Their memory capacity fills one file of a NSTC TV screen. Each of the bits have asynchronous and independently controlled read and write ports at different clock rates. These provide a FIFO operation, refreshing the DRAM storage cells automatically.

SEM43

1Mb	Pins	Description
514221	16	1Mb (256K 4) FIELD memory - 25ns acc., 30ns R/W cycle.....
514221	20	1Mb (256K 4) FIELD memory - 25ns acc., 30ns R/W cycle (ZIP package).....
2Mb		
518221	28	2Mb (256K 8) FIELD memory - 25ns acc., 30ns R/W cycle
518221	28	2Mb (256K 8) FIELD memory - 25ns acc., 30ns R/W cycle (ZIP package).....

Mfrs. List No.	Order Code	Price Each		
		1+	10+	100+
MSM514221BRS30	632-296			
MSM514221BZS30	632-302			
2Mb				
MSM518221A30JS	SMD 632-314			
MSM518221A30ZS	632-326			

First-In, First-Out (FIFO)

FIFOs provide temporary storage of data in sequence so that the first word to the input port will be the first at the output port. The ports work independently and the data can be read and written at different rates.

FIFOs have memory locations which inhibit further data input if full and can only send stored data out.

The time to complete an operation is called the Access time which can determine the system speed in which the device is operating.

SEM66

256 9	Mfr.	Pins	Description
7200	AMD	28	256 9 CMOS FIFO, 35ns acc.....
7200	AMD	28	256 9 CMOS FIFO, 50ns acc.....
512 9			
7C421	CYP	28	512 9 CMOS FIFO, 20ns acc. (PLCC Package)
7201	AMD	28	512 9 CMOS FIFO, 35ns acc.....
7201	AMD	32	512 9 CMOS FIFO, 50ns acc. PLCC.....
7201	AMD	28	512 9 CMOS FIFO, 50ns acc.....
7201	IDT	32	512 9 CMOS FIFO, 35ns acc., (PLCC Package)
1K 9			
7C425	CYP	28	1K 9 CMOS FIFO, 15ns acc. (PLCC Package)
7C425	CYP	28	1K 9 CMOS FIFO, 15ns acc.....
7202	AMD	28	1K 9 CMOS FIFO, 35ns acc.....
7202	AMD	32	1K 9 CMOS FIFO, 50ns acc. PLCC.....
7202	AMD	28	1K 9 CMOS FIFO, 50ns acc.....
7202	IDT	32	1K 9 CMOS FIFO, 35ns acc., (PLCC Package)
67202	TEM	28	1K 9 CMOS FIFO, 55ns acc.....
72221	IDT	32	1K 9 CMOS SYNC FIFO, 15ns acc. (TQFP)
2K 9			
7C429	CYP	28	2K 9 CMOS FIFO, 20ns acc. (PLCC Package)
7C429	CYP	28	2K 9 CMOS FIFO, 20ns acc.....
7C429	CYP	28	2K 9 CMOS FIFO, 30ns acc.....
7203	AMD	28	2K 9 CMOS FIFO, 35ns acc.....
7203	AMD	28	1K 9 CMOS FIFO, 55ns acc.....
67203	TEM	28	4K 9 CMOS FIFO, 55ns acc.....
72231	IDT	32	2K 9 CMOS SYNC FIFO, 15ns acc. (TQFP)
4K 9			
7C433	CYP	28	4K 9 CMOS FIFO, 20ns acc. (PLCC Package)
7C433	CYP	28	4K 9 CMOS FIFO, 20ns acc.....
7204	AMD	28	4K 9 CMOS FIFO, 35ns acc.....
7204	AMD	32	4K 9 CMOS FIFO, 50ns acc. PLCC.....
7204	AMD	28	4K 9 CMOS FIFO, 50ns acc.....
7204	IDT	32	4K 9 CMOS FIFO, 35ns acc., (PLCC Package)
67204	TEM	28	4K 9 CMOS FIFO, 55ns acc.....
72241	IDT	32	4K 9 CMOS SYNC FIFO, 15ns acc. (TQFP)
8K 9			
7205	IDT	32	4K 9 CMOS SYNC FIFO, 20ns acc. (PLCC)
16K 9			
7C462	CYP	28	16K 9 CMOS FIFO, 15ns acc. (PLCC)

Mfrs. List No.	Order Code	Price Each		
		1+	10+	100+
AM7200-35RC	671-708			
AM7200-50RC	459-872			
512 9				
CY7C421-20JC	SMD 301-1331			
AM7201-35RC	671-710			
AM7201-50JC	SMD 563-500†			
AM7201-50RC	459-628			
IDT7201LA35J	SMD 640-037			
1K 9				
CY7C425-15JC	SMD 301-1367†			
CY7C425-15PC	301-1343			
AM7202A-35RC	671-721			
AM7202A50JC	SMD 563-511			
AM7202A50RC	459-630			
IDT7202LA35J	SMD 640-049			
CM3P67202L55	704-982			
IDT72221L15PF	SMD 119-416			
2K 9				
CY7C429-20JC	SMD 301-1380			
CY7C429-20PC	301-1379			
CY7C429-30PC	301-1392			
AM7203A-35RC	671-733			
AM7203A50RC	459-641			
CA3P67203L-35	704-969			
IDT72231L15PF	SMD 119-428			
4K 9				
CY7C433-20JC	SMD 301-1410			
CY7C433-20PC	301-1409†			
AM7204A-35RC	671-745			
AM7204A50JC	SMD 563-523			
AM7204A50RC	459-653			
IDT7204L35J	SMD 640-050			
CM3P67204L55	704-994			
IDT72241L15PF	SMD 119-430			
8K 9				
IDT7205L20J	SMD 119-441			
16K 9				
CY7C462A-15JC	SMD 301-1422			

† Available until stocks are exhausted