

2. PRODUCT GUIDE

DRAM Module

Org.	Part No.	Feature	Based DRAM	Speed(ns)	PCB Height	Refresh cycle/ms	C/S
4 Byte Single In-Line Memory Module (5 V)							
1Mx32	KMM5321200AW/AWG	FP, SG, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5321200BW/BWG	FP, SG, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
	KMM5321204AW/AWG	EDO, SG, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5321204BW/BWG	EDO, SG, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
1Mx36	KMM5361203AW/AWG	FP, SG, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5361203BW/BWG	FP, SG, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
	KMM5361205AW/AWG	EDO, SG, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5361205BW/BWG	EDO, SG, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
2Mx32	KMM5322200AW/AWG	FP, DB, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5322200BW/BWG	FP, DB, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
	KMM5322100BKU/BKUG	FP, SG, PPD	2Mx8, SOJ	50/60/70	1,000	2048/32	NOW
	KMM5322204AW/AWG	EDO, DB, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
2Mx36	KMM5322204BW/BWG	EDO, DB, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
	KMM5322104BKU/BKUG	EDO, SG, PPD	2Mx8, SOJ	50/60/70	1,000	2048/32	NOW
	KMM5362203AW/AWG	FP, DB, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5362203BW/BWG	FP, DB, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
4Mx32	KMM5362205AW/AWG	EDO, DB, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	NOW
	KMM5362205BW/BWG	EDO, DB, QC, PPD	1Mx16, SOJ	60/70	750	1024/16	2Q '96
	KMM5324000BK/BKG	FP, SG, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5324100BK/BKG	FP, SG, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
4Mx36	KMM5324004BK/BKG	EDO, SG, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5324104BK/BKG	EDO, SG, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
	KMM5364003BK/BKG	FP, SG, QC, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5364103BK/BKG	FP, SG, QC, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
8Mx32	KMM5364005BK/BKG	EDO, SG, QC, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5364105BK/BKG	EDO, SG, QC, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
	KMM5328000BK/BKG	FP, DB, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5328100BK/BKG	FP, DB, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
8Mx36	KMM5328004BK/BKG	EDO, DB, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5328104BK/BKG	EDO, DB, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
	KMM5368003BK/BKG	FP, DB, QC, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5368103BK/BKG	FP, DB, QC, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
16Mx32	KMM5368005BK/BKG	EDO, DB, QC, PPD	4Mx4, SOJ	50/60/70	1,000	4096/64	NOW
	KMM5368105BK/BKG	EDO, DB, QC, PPD	4Mx4, SOJ	50/60/70	1,000	2048/32	NOW
	KMM53216000AKG	FP, DB, PPD	16Mx4, SOJ	50/60/70	1,250	4096/64	NOW
	KMM53616000AKG	FP, DB, PPD	16Mx4, SOJ	50/60/70	1,250	4096/64	NOW

Org.	Part No.	Feature	Based DRAM	Speed(ns)	PCB Height	Refresh cycle/ms	C/S
4 Byte Small Out-Line DIMM (3.3 V)							
1Mx32	KMM332V104AT-L	FP, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	NOW
	KMM332V124AT-L	FP, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	NOW
	KMM332V104BT-L	FP, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	2Q '96
	KMM332V124BT-L	FP, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	2Q '96
	KMM332F104AT-L	EDO, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	NOW
	KMM332F124AT-L	EDO, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	NOW
	KMM332F104BT-L	EDO, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	2Q '96
	KMM332F124BT-L	EDO, SG, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	2Q '96
2Mx32	KMM332V203BS-L	FP, SG, LP, PPD	2Mx8, TSOP	60/70	1,000	4096/128	NOW
	KMM332V213BS-L	FP, SG, LP, PPD	2Mx8, TSOP	60/70	1,000	2048/128	NOW
	KMM332F203BS-L	EDO, SG, LP, PPD	2Mx8, TSOP	60/70	1,000	4096/128	NOW
	KMM332F213BS-L	EDO, SG, LP, PPD	2Mx8, TSOP	60/70	1,000	2048/128	NOW
	KMM332V204AT-L	FP, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	NOW
	KMM332V224AT-L	FP, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	NOW
	KMM332V204BT-L	FP, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	2Q '96
	KMM332V224BT-L	FP, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	2Q '96
	KMM332F204AT-L	EDO, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	NOW
	KMM332F224AT-L	EDO, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	NOW
	KMM332F204BT-L	EDO, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	4096/128	2Q '96
	KMM332F224BT-L	EDO, DB, LP, PPD	1Mx16, TSOP	60/70	1,000	1024/128	2Q '96
4Mx32	KMM332V400BS-L	FP, DB, LP, PPD	4Mx4, TSOP	60/70	1,000	4096/128	NOW
	KMM332V410BS-L	FP, DB, LP, PPD	4Mx4, TSOP	60/70	1,000	2048/128	NOW
	KMM332F400BS-L	EDO, DB, LP, PPD	4Mx4, TSOP	60/70	1,000	4096/128	NOW
	KMM332F410BS-L	EDO, DB, LP, PPD	4Mx4, TSOP	60/70	1,000	2048/128	NOW
8Mx32	KMM332V800AS-L	FP, DB, LP, PPD	8Mx8, TSOP	50/60/70	1,250	4096/128	1Q '96
8 Byte Small Out-Line DIMM (3.3 V)							
1Mx64	KMM466F104AT-L	EDO, SG, LP, SPD	1Mx16, TSOP	60/70	1,000	4096/128	2Q '96
	KMM466F124AT-L	EDO, SG, LP, SPD	1Mx16, TSOP	60/70	1,000	1024/128	2Q '96
2Mx64	KMM466F203BS-L	EDO, DB, LP, SPD	2Mx8, TSOP	60/70	1,000	4096/128	2Q '96
	KMM466F213BS-L	EDO, DB, LP, SPD	2Mx8, TSOP	60/70	1,000	2048/128	2Q '96
4Mx64	KMM466F404AS-L	EDO, DB, LP, SPD	4Mx16, TSOP	50/60/70	1,000	4096/128	2Q '96

NOTICE

- * FP : Fast Page Mode, EDO : Extended Data Out Mode
- * DB : Mounted on both sides, SG : Mounted on one side
- * LP : Low Power
- * PPD : Parallel Present Detect, SPD : Serial Present Detect
- * QC : Quad-CAS, ECC : Error Check & Correct

MEMORY ICs

FUNCTION GUIDE

Org.	Part No.	Feature	Based DRAM	Speed(ns)	PCB Height	Refresh cycle/ms	C/S
8 Byte Dual In-Line Memory Module (5 V , Buffered)							
1Mx64	KMM364C124AJ	FP, SG, PPD	1Mx16, SOJ	60/70	1,000	1024/16	NOW
	KMM364C124BJ	FP, SG, PPD	1Mx16, SOJ	60/70	1,000	1024/16	2Q '96
	KMM364E124AJ	EDO, SG, PPD	1Mx16, SOJ	60/70	1,000	1024/16	NOW
	KMM364E124BJ	EDO, SG, PPD	1Mx16, SOJ	60/70	1,000	1024/16	2Q '96
2Mx64	KMM364C213BK/BS	FP, SG, PPD	2Mx8, SOJ/TSOP	50/60/70	1,000	2048/32	NOW
	KMM364E213BK/BS	EDO, SG, PPD	2Mx8, SOJ/TSOP	50/60/70	1,000	2048/32	NOW
	KMM364C224AJ	FP, DB, PPD	1Mx16, SOJ	60/70	1,000	1024/16	NOW
	KMM364C224BJ	FP, DB, PPD	1Mx16, SOJ	60/70	1,000	1024/16	2Q '96
	KMM364E224AJ	EDO, DB, PPD	1Mx16, SOJ	60/70	1,000	1024/16	NOW
	KMM364E224BJ	EDO, DB, PPD	1Mx16, SOJ	60/70	1,000	1024/16	2Q '96
2Mx72	KMM372C213BK/BS	FP, DB, ECC, PPD	2Mx8, SOJ/TSOP	50/60/70	1,000	2048/32	NOW
4Mx64	KMM364C400BK/BS	FP, DB, PPD	4Mx4, SOJ/TSOP	50/60/70	1,000	4096/64	NOW
	KMM364C410BK/BS	FP, DB, PPD	4Mx4, SOJ/TSOP	50/60/70	1,000	2048/32	NOW
	KMM364E400BK/BS	EDO, DB, PPD	4Mx4, SOJ/TSOP	50/60/70	1,000	4096/64	NOW
	KMM364E410BK/BS	EDO, DB, PPD	4Mx4, SOJ/TSOP	50/60/70	1,000	2048/32	NOW
4Mx72	KMM372C400BK/BS	FP, DB, ECC, PPD	4Mx4, SOJ/TSOP	50/60/70	1,000	4096/64	NOW
	KMM372C410BK/BS	FP, DB, ECC, PPD	4Mx4, SOJ/TSOP	50/60/70	1,000	2048/32	NOW
8Mx64	KMM364C803AK/AS	FP, SG, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	4096/64	2Q'96
	KMM364C883AK/AS	FP, SG, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	8192/64	2Q'96
	KMM364E803AK/AS	EDO, SG, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	4096/64	2Q'96
	KMM364E883AK/AS	EDO, SG, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	8192/64	2Q'96
8Mx72	KMM372C803AK/AS	FP, SG, ECC, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	4096/64	2Q'96
	KMM372C883AK/AS	FP, SG, ECC, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	8192/64	2Q'96
16Mx64	KMM364C1600AK/AS	FP, DB, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	4096/64	2Q'96
	KMM364C1680AK/AS	FP, DB, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	8192/64	2Q'96
	KMM364E1600AK/AS	EDO, DB, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	4096/64	2Q'96
	KMM364E1680AK/AS	EDO, DB, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	8192/64	2Q'96
16Mx72	KMM372C1600AK/AS	FP, DB, ECC,PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	4096/64	2Q'96
	KMM372C1680AK/AS	FP, DB, ECC,PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	8192/64	2Q'96

MEMORY ICs

FUNCTION GUIDE

Org.	Part No.	Feature	Based DRAM	Speed(ns)	PCB Height	Refresh cycle/ms	C/S
8 Byte Dual In-Line Memory Module (3.3 V , Buffered)							
1Mx72	KMM372F124AJ	EDO, SG, ECC, PPD	1Mx16 & 1Mx4, SOJ	60/70	1,000	1024/16	2Q'96
2Mx72	KMM372V213BK/BS	FP, DB, ECC, PPD	2Mx8, SOJ/TSOP	60/70	1,000	2048/32	NOW
	KMM372F213BK/BS	EDO, DB, ECC, PPD	2Mx8, SOJ/TSOP	60/70	1,000	2048/32	NOW
4Mx72	KMM372V400BK/BS	FP, DB, ECC, PPD	4Mx4, SOJ/TSOP	60/70	1,000	4096/64	NOW
	KMM372V410BK/BS	FP, DB, ECC, PPD	4Mx4, SOJ/TSOP	60/70	1,000	2048/32	NOW
	KMM372F400BK/BS	EDO, DB, ECC, PPD	4Mx4, SOJ/TSOP	60/70	1,000	4096/64	NOW
	KMM372F410BK/BS	EDO, DB, ECC, PPD	4Mx4, SOJ/TSOP	60/70	1,000	2048/32	NOW
8Mx72	KMM372V803AK/AS	FP, SG, ECC, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	4096/64	NOW
	KMM372V883AK/AS	FP, SG, ECC, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	4096/64	NOW
	KMM372F803AK/AS	EDO, SG, ECC, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	8192/64	NOW
	KMM372F883AK/AS	EDO, SG, ECC, PPD	8Mx8, SOJ/TSOP	50/60/70	1,250	8192/64	NOW
16Mx72	KMM372V1600AK/AS	FP, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	4096/64	NOW
	KMM372V1680AK/AS	FP, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	4096/64	NOW
	KMM372F1600AK/AS	EDO, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	8192/64	NOW
	KMM372F1680AK/AS	EDO, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	1,250	8192/64	NOW
32Mx72	KMM372V3200AK/AS	FP, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	2,375	4096/64	2Q'96
	KMM372V3280AK/AS	FP, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	2,375	8192/64	2Q'96
	KMM372F3200AK/AS	EDO, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	2,375	4096/64	2Q'96
	KMM372F3280AK/AS	EDO, DB, ECC, PPD	16Mx4, SOJ/TSOP	50/60/70	2,375	8192/64	2Q'96
8 Byte Dual In-Line Memory Module (3.3 V , Unbuffered)							
1Mx64	KMM366F124AJ	EDO, SG, SPD	1Mx16, SOJ	60/70	1,000	1,024/16	NOW
1Mx72	KMM374F124AJ	EDO, SG, ECC, SPD	1Mx16 & 1Mx4, SOJ	60/70	1,000	1,024/16	NOW
2Mx64	KMM366F203BK	EDO, DB, SPD	2Mx8, SOJ	60/70	1,000	4,096/64	NOW
	KMM366F213BK	EDO, DB, SPD	2Mx8, SOJ	60/70	1,000	2,048/32	NOW
2Mx72	KMM374F203BK	EDO, DB, ECC, SPD	2Mx8, SOJ	60/70	1,000	4,096/64	NOW
	KMM374F213BK	EDO, DB, ECC, SPD	2Mx8, SOJ	60/70	1,000	2,048/32	NOW
4Mx64	KMM366F400BK	EDO, DB, SPD	4Mx4, SOJ	60/70	1,000	4,096/64	NOW
	KMM366F410BK	EDO, DB, SPD	4Mx4, SOJ	60/70	1,000	2,048/32	NOW
4Mx72	KMM374F400BK	EDO, DB, ECC, SPD	4Mx4, SOJ	60/70	1,000	4,096/64	NOW
	KMM374F410BK	EDO, DB, ECC, SPD	4Mx4, SOJ	60/70	1,000	2,048/32	NOW
8Mx64	KMM366F803AK	EDO, SG, SPD	8Mx8, SOJ	50/60/70	1,250	4,096/64	NOW
	KMM366F883AK	EDO, SG, SPD	8Mx8, SOJ	50/60/70	1,250	8,192/64	NOW
8Mx72	KMM374F803AK	EDO, SG, ECC, SPD	8Mx8, SOJ	50/60/70	1,250	4,096/64	NOW
	KMM374F883AK	EDO, SG, ECC, SPD	8Mx8, SOJ	50/60/70	1,250	8,192/64	NOW
16Mx64	KMM366F1600AK	EDO, DB, SPD	16Mx4, SOJ	50/60/70	1,250	4,096/64	NOW
	KMM366F1680AK	EDO, DB, SPD	16Mx4, SOJ	50/60/70	1,250	8,192/64	NOW
16Mx72	KMM374F1600AK	EDO, DB, ECC, SPD	16Mx4, SOJ	50/60/70	1,250	4,096/64	NOW
	KMM374F1680AK	EDO, DB, ECC, SPD	16Mx4, SOJ	50/60/70	1,250	8,192/64	NOW