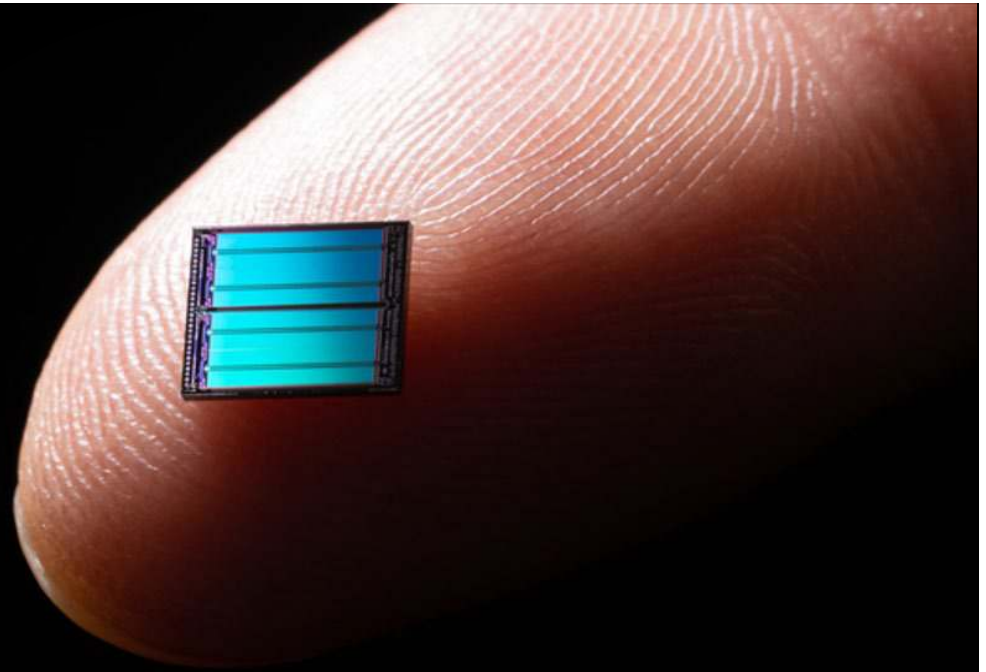




SMARTsemi™



Memory Components Catalog

March 2023

REV 03092023

Visit www.smartsemi.com for complete device information, inventory, and links to buy.



DDR3(L) SDRAM

SMARTSEMI PART NUMBER	TEMP RANGE	GRADE	DENSITY	ORGANIZATION	CLOCK	DATA RATE	VOLTAGE	PACKAGE	PACKING	MOQ	INCREMENT	DATA SHEET	REL. REPORT
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
KTDM2G3C618BGCEAT	0°C to +70°C	Commercial	2Gb	128Mbx16	933MHz	1866Mbps	1.35V/1.5V	96-ball FBGA	Tray	198	198	Link	Link
KTDM2G3C618BGIEAT	-40°C to +85°C	Industrial	2Gb	128Mbx16	933MHz	1866Mbps	1.35V/1.5V	96-ball FBGA	Tray	198	198	Link	Link
KTDM2G3C818BGCEAT	0°C to +70°C	Commercial	2Gb	256Mbx8	933MHz	1866Mbps	1.35V/1.5V	78-ball FBGA	Tray	210	210	Link	Link
KTDM2G3C818BGIEAT	-40°C to +85°C	Industrial	2Gb	256Mbx8	933MHz	1866Mbps	1.35V/1.5V	78-ball FBGA	Tray	210	210	Link	Link
KTDM4G3C618BGCEAT	0°C to +70°C	Commercial	4Gb	256Mbx16	933MHz	1866Mbps	1.35V/1.5V	96-ball FBGA	Tray	198	198	Link	Link
KTDM4G3C618BGIEAT	-40°C to +85°C	Industrial	4Gb	256Mbx16	933MHz	1866Mbps	1.35V/1.5V	96-ball FBGA	Tray	198	198	Link	Link
KTDM4G3C818BGCEAT	0°C to +70°C	Commercial	4Gb	512Mbx8	933MHz	1866Mbps	1.35V/1.5V	78-ball FBGA	Tray	210	210	Link	Link
KTDM4G3C818BGIEAT	-40°C to +85°C	Industrial	4Gb	512Mbx8	933MHz	1866Mbps	1.35V/1.5V	78-ball FBGA	Tray	210	210	Link	Link

DDR4 SDRAM

SMARTSEMI PART NUMBER	TEMP RANGE	GRADE	DENSITY	ORGANIZATION	CLOCK	DATA RATE	VOLTAGE	PACKAGE	PACKING	MOQ	INCREMENT	DATA SHEET	REL. REPORT
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
KTDM4G4B626BGCEAT	0°C to +70°C	Commercial	4Gb	256Mbx16	1333MHz	2666Mbps	1.2V	96-ball FBGA	Tray	198	198	Link	Link
KTDM4G4B626BGIEAT	-40°C to +85°C	Industrial	4Gb	256Mbx16	1333MHz	2666Mbps	1.2V	96-ball FBGA	Tray	198	198	Link	Link
KTDM4G4B826BGCEAT	0°C to +70°C	Commercial	4Gb	512Mbx8	1333MHz	2666Mbps	1.2V	78-ball FBGA	Tray	210	210	Link	Link
KTDM4G4B826BGIEAT	-40°C to +85°C	Industrial	4Gb	512Mbx8	1333MHz	2666Mbps	1.2V	78-ball FBGA	Tray	210	210	Link	Link
KTDM8G4B632BGCEAT	0°C to +70°C	Commercial	8Gb	512Mbx16	1333MHz	3222Mbps	1.2V	96-ball FBGA	Tray	198	198	Link	Link
KTDM8G4B632BGIEAT	-40°C to +85°C	Industrial	8Gb	512Mbx16	1333MHz	3222Mbps	1.2V	96-ball FBGA	Tray	198	198	Link	Link
KTDM8G4B832BGCEAT	0°C to +70°C	Commercial	8Gb	1Gbx8	1333MHz	3222Mbps	1.2V	78-ball FBGA	Tray	210	210	Link	Link
KTDM8G4B832BGIEAT	-40°C to +85°C	Industrial	8Gb	1Gbx8	1333MHz	3222Mbps	1.2V	78-ball FBGA	Tray	210	210	Link	Link
KTDMAG4B632BGCBAT	0°C to +70°C	Commercial	16Gb	1Gbx16	1600MHz	3222Mbps	1.2V	96-ball FBGA	Tray	198	198	Link	Link
KTDMAG4B632BGIBAT	-40°C to +85°C	Industrial	16Gb	1Gbx16	1600MHz	3222Mbps	1.2V	96-ball FBGA	Tray	198	198	Link	Link
KTDMAG4B832BGCBAT	0°C to +70°C	Commercial	16Gb	2Gbx8	1600MHz	3222Mbps	1.2V	78-ball FBGA	Tray	210	210	Link	Link
KTDMAG4B832BGIBAT	-40°C to +85°C	Industrial	16Gb	2Gbx8	1600MHz	3222Mbps	1.2V	78-ball FBGA	Tray	210	210	Link	Link



eMMC 5.1 FLASH MEMORY - INDUSTRIAL TEMP

SMARTSEMI PART NUMBER	TEMP RANGE	GRADE	CAPACITY	PROG. BUS WIDTH	MAX. CLOCK	SEQ. READ	SEQ. WRITE	RNDM. READ	RNDM. WRITE	VOLTAGE	PACKAGE	PACKING	MOQ	INCR.	DATA SHEET	REL. REPORT
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
KTM4GH1AH101	-40°C to +85°C	Industrial	4GB	x1/x4/x8	200MHz	170MBps	10MBps	5345KIOPS	980KIOPS	3.3V/1.8V	153-FBGA	Tray	152	152	Link	Link
KTM8GL1AS101	-40°C to +85°C	Industrial	8GB	x1/x4/x8	200MHz	240MBps	110Mbps	3335KIOPS	5630KIOPS	3.3V/1.8V	153-FBGA	Tray	152	152	Link	Link
KTMAGL1AS101	-40°C to +85°C	Industrial	16GB	x1/x4/x8	200MHz	240MBps	110Mbps	3335KIOPS	5630KIOPS	3.3V/1.8V	153-FBGA	Tray	152	152	Link	Link



eMMC 5.1 FLASH MEMORY - WIDE-TEMP/AUTOMOTIVE Q-100 CLASS 2

SMARTSEMI PART NUMBER	TEMP RANGE	GRADE	CAPACITY	BUS WIDTH	MAX. CLOCK	SEQ. READ	SEQ. WRITE	RNDM. READ	RNDM. WRITE	VOLTAGE	PACKAGE	PACKING	MOQ	INCR.	DATA SHEET	REL. REPORT
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
KTM8GP1CWW01	-40°C to +105°C	Wide/Auto 2	8GB	x1	200MHz	260MBps	85MBps	5800KIOPS	2100KIOPS	3.3V/1.8V	153-FBGA	Tray	152	152	Link	Link
KTMAGP1CWW01	-40°C to +105°C	Wide/Auto 2	16GB	x2	200MHz	260MBps	130MBps	6000KIOPS	2200KIOPS	3.3V/1.8V	153-FBGA	Tray	152	152	Link	Link
KTMBGP1CWW01	-40°C to +105°C	Wide/Auto 2	32GB	x4	200MHz	260MBps	130MBps	6000KIOPS	2200KIOPS	3.3V/1.8V	153-FBGA	Tray	152	152	Link	Link