JSC NAND MCP(SLC + LPDDR2) **Memory**



JS

Introduction

The JSC LPDDR2 based MCP product family, provides an integrated solution by stacking in one packages SLC NAND and LPDDR2 Memory components. The JSC memory is designed for applications that need high reliability and performance with lower density.

NAND MCP (SLC + LPDDR2) Product Features

SLC NAND Features

- Error Correction: 4-bit ECC
- Supply Voltage: 1.8V (1.70V to 1.95V)
- Input/Output Bus width: 8-bits / 16-bits
- One Time Programmable (OTP) area
- Serial number (unique ID)
- Non-volatile protection
- Open NAND Flash Interface (ONFI) 1.0 compliant
- Address, Data, and Commands multiplexed

MCP Features

- Operating Temperature:
 - Industrial: -40°C to +85 °C
- Automotive: -40°C to +105 °C
- Packages: 162-ball / 121-ball FBGA

LPDDR2 Features

- Clock rate: up to 533MHz
- VDD1 = 1.70 to 1.95V
- VDD2 / VDDCA / VDDQ = 1.14V to 1.30V
- Data width: x16 / x32
- 4-bit pre-fetch DDR architecture
- 8 internal banks for concurrent operation
- Programmable READ and WRITE latencies (RL/WL)
- Programmable burst lengths: 4, 8, or 16
- Burst Type: Sequential or Interleave
- Auto Precharge option for each burst access
- Partial Array Self-Refresh (PASR)
- Temperature Compensated Self Refresh (TCSR)

Application

The JSC NAND MCP product family can widely use many kinds of consumer product such as IoT, wearable, mobile, network, consumer and so on. We can also provide high reliability and cost competitiveness and various package & test solution for global customer.



Digital TV

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4Gb + 4Gb LPDDR2 NAND MCP

NAND		DRAM			ECC	NAND	Speed	Package	Part Number	Status	
Density	Bus	Туре	Density	Bus	Туре	ECC	Page Size	Speed	Раскауе	Part Number	Status
4Gb	x8	SLC	4Gb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFCCK3YH3BBL-425	Contact us
4Gb	x8	SLC	4Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFCCK3YH3BBL-425A	Contact us
4Gb	x8	SLC	4Gb	x32	LPDDR2	4-bit	4K page	400MHz	162B (8x10.5mm)	JSFCCK3YH3FBL-425	M/P
4Gb	x8	SLC	4Gb	x32	LPDDR2	4-bit	4K page	533MHz	162B (8x10.5mm)	JSFCCK3YH3FBL-425A	M/P

4Gb + 2Gb LPDDR2 NAND MCP

NAND		DRAM			ECC	NAND	0	Daakana	Dert Neurskerr	Status	
Density	Bus	Туре	Density	Bus	Туре	ECC	Page Size	Speed	Package	Part Number	Status
4Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (11.5x13mm)	JSFCBB3YH3BBD-425A	M/P
4Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFCBB3YH3BBG-425	M/P
4Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFCBB3YH3BBG-425A	M/P
4Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	4K page	400MHz	162B (8x10.5mm)	JSFCBB3YH3FBG-425	M/P
4Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	4K page	533MHz	162B (8x10.5mm)	JSFCBB3YH3FBG-425A	M/P
4Gb	X8	SLC	2Gb	x32	LPDDR2	4-bit	4K page	533MHz	162B (8x10.5mm)	JSFCBB3YH3FBG-425AI	M/P
4Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	4K page	533MHz	162B (8x10.5mm)	JSFCBB3YH3FBG-425AM	M/P

2Gb + 2Gb LPDDR2 NAND MCP

NAND			DRAM			ECC	NAND	Speed	Deekene	Dout Number	Status
Density	Bus	Туре	Density	Bus	Туре	ECC	Page Size	Speed	Package	Part Number	Status
2Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFBBB3YH3BBG-425	M/P
2Gb	x8	SLC	2Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFBBB3YH3BBG-425A	M/P

JSC NAND MCP(SLC + LPDDR2) Memory



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2Gb + 1Gb LPDDR2 NAND MCP

NAND			DRAM			ECC	NAND	Speed	Dookogo	Part Number	Status
Density	Bus	Туре	Density	Bus	Туре	ECC	Page Size	Speed	Package		Status
2Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFBAB3YHABBG-425	M/P
2Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFBAB3YHBBBG-425	M/P
2Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFBAB3YHBBBG-425A	M/P
2Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFBAB3YH3BBG-425A	M/P

1Gb + 1Gb LPDDR2 NAND MCP

NAND			DRAM			ECC	NAND Page	Speed	Dookono	Part Number	Status
Density	Bus	Туре	Density	Bus	Туре	ECC	Page Size	Speed	Package	Part Number	Status
1Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFAAB3YHBBBG-425	M/P
1Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFAAB3YHBBBG-425A	M/P
1Gb	x8	SLC	1Gb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFAAB3YH3BBG-425A	M/P
1Gb	x16	SLC	1Gb	x16	LPDDR2	4-bit	2K page	400MHz	121B (8x8mm)	JSFAAC3YHHBBE-425	EOL (Y21)

1Gb + 512Mb LPDDR2 NAND MCP

NAND			DRAM			Ecc	NAND ECC Page		Bookogo	Part Number	Status
Density	Bus	Туре	Density	Bus	Туре	EUU	Size	Speed	Package		Status
1Gb	x8	SLC	512Mb	x32	LPDDR2	4-bit	2K page	400MHz	162B (8x10.5mm)	JSFA9B3YH3BBG-425	Sample Now
1Gb	x8	SLC	512Mb	x32	LPDDR2	4-bit	2K page	533MHz	162B (8x10.5mm)	JSFA9B3YHBBBG-425A	Sample Now