



Product Change Notification (PCN)

Date: February 12, 2018

PCN TRACKING NO: PCN12028102v2

Subject: Product Change Notification (PCN) for Alliance LPDRAM's (DDR1/DDR2/DDR3)

Description of Change	Product will only be offered in a new Die Revision (A Die)
Reason for Change	Product revision to provide continuous support to Alliance's customers
Traceability , Guidelines (lot , date code , markings, shipment date)	Traceable through marketing part number
Updated Datasheet Summary of Changes between New and Old part numbers	Part number has been changed and updated datasheets are posted on our website www.alliancememory.com

Table 1- LPDDR1

Density	Organization	Alliance Part Number	Alliance New Part Number (A Die)
256M	16M x 16	AS4C16M16MD1-6BIN	Refer to AS4C16M16MD1-6BCN & TR- Extended temperature -30°C to +85°C
256M	16M x 16	AS4C16M16MD1-6BINTR	
512M	32M x 16	AS4C32M16MD1-5BCNTR	AS4C32M16MD1A-5BINTR
512M	32M x 16	AS4C32M16MD1-5BCN	AS4C32M16MD1A-5BIN
1G	64M x 16	AS4C64M16MD1-5BCN	never went to production
1G	64M x 16	AS4C64M16MD1-5BCNTR	never went to production
1G	64M x 16	AS4C64M16MD1-5BIN	never went to production
1G	64M x 16	AS4C64M16MD1-5BINTR	never went to production
1G	64M x 16	AS4C64M16MD1-6BCN	AS4C64M16MD1A-5BIN
1G	64M x 16	AS4C64M16MD1-6BCNTR	AS4C64M16MD1A-5BINTR
1G	64M x 16	AS4C64M16MD1-6BIN	AS4C64M16MD1A-5BIN
1G	64M x 16	AS4C64M16MD1-6BINTR	AS4C64M16MD1A-5BINTR
1G	32M x 32	AS4C32M32MD1-5BCN	AS4C32M32MD1A-5BIN
1G	32M x 32	AS4C32M32MD1-5BCNTR	AS4C32M32MD1A-5BINTR
1G	32M x 32	AS4C32M32MD1-5BIN	AS4C32M32MD1A-5BIN
1G	32M x 32	AS4C32M32MD1-5BINTR	AS4C32M32MD1A-5BINTR



Table 2 – LPDDR2

Density	Organization	Alliance Part Number	Alliance New Part Number (A Die)
1G	64Mx16	AS4C64M16MD2-25BCN	AS4C64M16MD2A-25BCN
1G	64Mx16	AS4C64M16MD2-25BCNTR	AS4C64M16MD2A-25BCNTR
1G	32Mx32	AS4C32M32MD2-25BCN	AS4C32M32MD2A-25BCN
1G	32Mx32	AS4C32M32MD2-25BCNTR	AS4C32M32MD2A-25BCNTR
2G	128Mx16	AS4C128M16MD2-25BCN	AS4C128M16MD2A-25BCN
2G	128Mx16	AS4C128M16MD2-25BCNTR	AS4C128M16MD2A-25BCNTR
2G	64Mx32	AS4C64M32MD2-25BCN	AS4C64M32MD2A-25BCN
2G	64Mx32	AS4C64M32MD2-25BCNTR	AS4C64M32MD2A-25BCNTR
4G	128Mx32	AS4C128M32MD2-18BCN	AS4C128M32MD2A-25BIN
4G	128Mx32	AS4C128M32MD2-18BCNTR	AS4C128M32MD2A-25BINTR
4G	128Mx32	AS4C128M32MD2-18BIN	AS4C128M32MD2A-18BIN
4G	128Mx32	AS4C128M32MD2-18BINTR	AS4C128M32MD2A-18BINTR
8G	256Mx32	AS4C256M32MD2-18BCN	No Replacement available - no plan as of 11Feb18 - still under investigation -
8G	256Mx32	AS4C256M32MD2-18BCNTR	No Replacement available - no plan as of 11Feb18 - still under investigation -
8G	256Mx32	AS4C256M32MD2-18BIN	No Replacement available - no plan as of 11Feb18 - still under investigation -
8G	256Mx32	AS4C256M32MD2-18BINTR	No Replacement available - no plan as of 11Feb18 - still under investigation -

Table 3 – LPDDR3

Density	Organization	Alliance Part Number	Alliance New Part Number (A Die)
16G	512Mx32	AS4C512M32MD3-15BCN	No Replacement available - no plan as of 11Feb18 - still under investigation -
16G	512Mx32	AS4C512M32MD3-15BCNTR	No Replacement available - no plan as of 11Feb18 - still under investigation -

Any orders after February 12th, 2018 are Non-cancelable / Non-Returnable and cannot be changed. Products cannot be returned in stock rotation after the Last Time Buy Date 30th April, 2018

Last Time Buy Date	30 th April , 2018
Last Time Ship Date	30 th June, 2018
Sample Available Date	Q1,2018
PCN Effective Date	12 February, 2018



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Dear Valued Customer:

This letter provides End-of-Life (EOL) notice of Low Power DRAM(DDR1/DDR2/DDR3). These products will move to new "A" die revision in Q1-2018.

The delivery deadline is June 30th , 2018 with last time buy (LTB) deadline on April 30th, 2018. Please note that the standard shipment dates will apply in general and extended delivery dates must be pre-arranged and accepted in writing by Alliance Memory Management.

Please contact your local Alliance Memory representative if you have questions regarding this information.

Your sincerely,

A handwritten signature in black ink, appearing to read "David Bagby", written over a horizontal line.

David Bagby
President
Alliance Memory , Inc.