



Product Change Notification (PCN)

Date: March 20th, 2021

PCN TRACKING NO: PCN# 20210320

Subject: Product Change Notification (PCN) for Alliance **32Mb Low Power ASRAM**

Affected Part Numbers	AS6C3216-55BIN, AS6C3216-55BINTR
Description of Change:	End-Of-Line of affected Part Numbers
Reason for Change	<ul style="list-style-type: none"> • Long Lead Time issues • Customers migrate to Rev.A Die for better Longevity
Traceability, Guidelines (lot, date code, markings, shipment date)	Traceable through marketing part number
Datasheet for Alternative Part	Rev.'A' die part alternatives already on website and can be found at https://www.alliancememory.com/datasheets/AS6C3216A/
Summary of Alternative	See table 1 Below

Table 1 – 32Mb Low Power ASRAM

Density	Organization	Alliance EOL Part Number	Alliance Alternative Part Number
32Mb	2M x 16	AS6C3216-55BIN	AS6C3216 A -55BIN
32Mb	2M x 16	AS6C3216-55BINTR	AS6C3216 A -55BINTR

Last Time Buy Date:	June 30 th , 2021
Last Time Ship Date:	December 31 st , 2021
Sample Availability Date for alternative rev.A part number	Existing - Parts already in Production
PCN Effective Date	March 20 th , 2021

*Any orders after 30th June 2021 are Non-Cancelable/Non-Returnable and cannot be changed. Products cannot be returned in stock rotation after this date.



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Dear Valued Customer:

This letter provides End-of-Life (EOL) notice for 32Mb (2M x 16) Low Power ASRAM product "AS6C3216-55BIN/TR in 48b TFBGA Package" due to Wafer capacity and long lead time issues prevailing in current volatile Market. Alternatives to these products will continue to be offered in rev. 'A' options that are already in mass production.

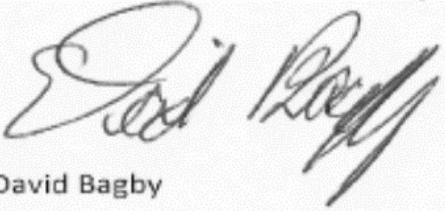
The delivery deadline is **December 31st, 2021** with last time buy (LTB) deadline **on June 30th, 2021**. Please note that the standard shipment dates will apply in general and extended delivery dates must be pre-arranged and accepted in writing by Alliance Memory Management.

Samples for Alternative part numbers are available for customers to start verification procedures.

We provide product comparisons within the pages that follow this **PCN#20210320**.

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

Yours faithfully



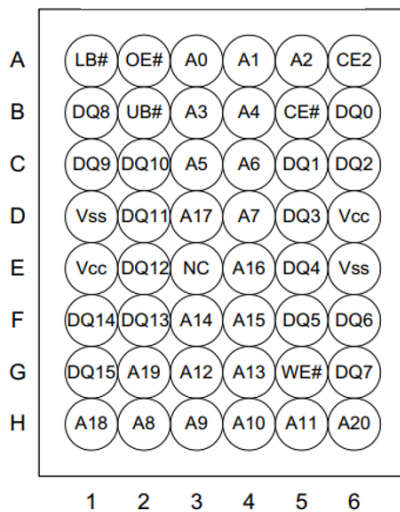
David Bagby
President
Alliance Memory Inc.



AS6C3216A-55BIN vs AS6C3216-55BIN Comparison

Parameter	AS6C3216A-55BIN/TR	AS6C3216-55BIN/TR	Comparison
Product Description	Low Power ASRAM	Low Power ASRAM	Same
Capacity	32Mb	32Mb	Same
Memory Organization	2M x 16bits	2M x 16bits	Same
Operating Power Supply	$V_{CC} = 2.7V \sim 3.6V$	$V_{CC} = 2.7V \sim 3.6V$	Same
Operating Temperature	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
I/O Capacitance	CIO: 8pf (Max.)	CIO: 8pf (Max.)	Same
Read Cycle Time (tRC)	55ns (Min.)	55ns (Min.)	Same
Write Cycle Time (tWC)	55ns (Min.)	55ns (Min.)	Same
Addr Access Time(tAA)	55ns (Max.)	55ns (Max.)	Same
OE Access Time (tOE)	30ns (Max.)	30ns (Max.)	Same
V_{OH} (V) @ -1.0mA	2.2 (Min.)	2.2 (Min.)	Same
V_{OL} (V) @ 2mA	0.4 (Max.)	0.4 (Max.)	Same
V_{IH} (V)	2.2 (Min.)	2.2 (Min.)	Same
V_{IL} (V)	0.6 (Max.)	0.6 (Max.)	Same
I_{LI} / I_{LO}(uA)	+/- 1	+/- 1	Same
I_{CC} (Cycle Time=Min) Operating Current	20 mA (Max.)	80 mA (Max.)	Rev.A Better
I_{CC1} (Cycle Time=1uS) Operating Current	5 mA (Max.)	20 mA (Max.)	Rev.A Better
I_{sB1} (Standby Current)	80 uA (Max.)	80 uA (Max.)	Same
VDR	1.2V (Min.)	1.2V (Min.)	Same
Package 48 ball TFBGA	8mm x 10mm	8mm x 10mm	Same
Package Material	Pb and Halogen Free	Pb and Halogen Free	Same
Pin to Pin Compatible	Yes	Yes	Same

AS6C3216A



AS6C3216

