



Alliance Memory Inc.
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Product Discontinue Notification (PDN)

Date: March 31st, 2022

PDN TRACKING NO: PDN#20220331

Subject:

Product Discontinue Notification (PDN) for **4Mb** Low Power ASRAM Products.

Affected Part Numbers	<u>4Mb Low Power rev.A ASRAM:</u> - AS6C4008A-55SIN, AS6C4008A-55SINTR - AS6C4008A-55TIN, AS6C4008A-55TINTR - AS6C4008A-55ZIN, AS6C4008A-55ZINTR - AS6C4008A-55STIN, AS6C4008A-55STINTR - AS6C4008A-55BIN, AS6C4008A-55BINTR
Description of Change:	End-Of-Line of affected Part Numbers
Reason for Change	- Very Low demands - Very Long lead times > 52weeks
Traceability, Guidelines	Traceable through marketing part number
Alternative Part	See Table.1
Summary of Alternative	See Table.1

Last Time Buy Date:	June 30 th , 2022
Last Time Ship Date:	March 31 st , 2023
Sample Availability Date for Alternative part numbers	Alternative parts already in Mass Production
PCN Effective Date	March 31 st , 2022

*Any orders after 30th June 2022 are Non-Cancelable/Non-Returnable and cannot be changed. Products cannot be returned in stock rotation after this date.



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Table 1 – Affected and Alternative Part Numbers

Product	EOL Affected Part Number	Affected Part Product Description	Alternative Part Number
Low Power ASRAM	AS6C4008A-55SIN	3V, 4Mb, 512K x 8, 55ns, 32p 450mils SOP, Industrial	AS6C4008-55SIN
	AS6C4008A-55SINTR	3V, 4Mb, 512K x 8, 55ns, 32p 450mils SOP, Industrial, T&R	AS6C4008-55SINTR
	AS6C4008A-55TIN	3V, 4Mb, 512K x 8, 55ns, 32p TSOP I, Industrial	AS6C4008-55TIN
	AS6C4008A-55TINTR	3V, 4Mb, 512K x 8, 55ns, 32p TSOP I, Industrial, T&R	AS6C4008-55TINTR
	AS6C4008A-55ZIN	3V, 4Mb, 512K x 8, 55ns, 32p TSOP II, Industrial	AS6C4008-55ZIN
	AS6C4008A-55ZINTR	3V, 4Mb, 512K x 8, 55ns, 32p TSOP II, Industrial, T&R	AS6C4008-55ZINTR
	AS6C4008A-55STIN	3V, 4Mb, 512K x 8, 55ns, 32p sTSOP, Industrial	AS6C4008-55STIN
	AS6C4008A-55STINTR	3V, 4Mb, 512K x 8, 55ns, 32p sTSOP, Industrial, T&R	AS6C4008-55STINTR
	AS6C4008A-55BIN	3V, 4Mb, 512K x 8, 55ns, 36b TFBGA, Industrial	AS6C4008-55BIN
	AS6C4008A-55BINTR	3V, 4Mb, 512K x 8, 55ns, 36b TFBGA, Industrial, T&R	AS6C4008-55BINTR



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Dear Valued Customer:

This letter provides Product Discontinue notification for **4Mb Low Power rev.A ASRAM** products "**AS6C4008A-55SIN/TR**", "**AS6C4008A-55TIN/TR**", "**AS6C4008A-55ZIN/TR**", "**AS6C4008A-55STIN/TR**" and "**AS6C4008A-55BIN/TR**" due to very low demands and long lead time issues prevailing in current volatile Market. Alternatives to these products are active and already in mass production. Refer Table.1 for details.

The delivery deadline or last time ship date is **March 31st, 2023** with last time buy (LTB) deadline on **June 30th, 2022**. 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.

Alliance Memory Inc. will make all reasonable commercial efforts to honor all purchase orders placed before LTB and scheduled delivery dates but reserves the right to not accept new orders or to cancel existing orders if they cannot be fulfilled in standard lead times.

Samples for Alternative part numbers as listed in Table.1 are available for customers to start verification or qualification procedures.

We provide product comparisons within the pages that follow this PDN.

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

Yours faithfully



David Bagby
President
Alliance Memory Inc.





Alliance Memory Inc.

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AS6C4008A-55xIN/TR & AS6C4008-55xIN/TR Comparison

Parameter \ Part Number & result	AS6C4008A-55xIN/TR	AS6C4008-55xIN/TR	Comments
Product Description	Low Power ASRAM Rev.A	Low Power ASRAM Rev.0	
Fab / Process Technology	GF Fab, 150nm	HHGSMC Fab, 150nm	
Capacity / Density	4Mb	4Mb	Same
Memory Organization	512K x 8bits	512K x 8bits	Same
Operating Power Supply	V _{CC} = 2.7V ~ 3.6V	V _{CC} = 2.7V ~ 5.5V	Rev0 better
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.)	2.4 (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 (Max.)	1 (Max.)	Same
Operating. Current (Max)	I _{CC} = 40mA	I _{CC} = 60mA (@5.5V)	Comparable
Operating. Current (1us)	I _{CC1} = 5mA (Max.)	I _{CC1} = 10mA (@5.5V)	Comparable
Standby Current I_{SB1}	12uA (Max.)	50uA (Max.)	Comparable
V_{DR}	1.5V (Min.)	1.5V (Min.)	Same
Package	AS6C4008A-55SIN 32pin 450mils SOP	AS6C4008-55SIN 32pin 450mils SOP	Same
	AS6C4008A-55TIN 32pin TSOP I (8x20mm)	AS6C4008-55TIN 32pin TSOP I (8x20mm)	Same
	AS6C4008A-55STIN 32pin sTSOP (8x13.4mm)	AS6C4008-55STIN 32pin sTSOP (8x13.4mm)	Same
	AS6C4008A-55ZIN 32pin 400mils TSOP II	AS6C4008-55ZIN 32pin 400mils TSOP II	Same
	AS6C4008A-55BIN 36ball TFBGA (6x8mm)	AS6C4008-55BIN 36ball TFBGA (6x8mm)	Same
Package Material	Pb and Halogen Free		Same
Pin to Pin Compatible	Yes		Same