



## Product Discontinue Notification (PDN)

**Date:** March 31<sup>st</sup>, 2022

**PDN TRACKING NO:** PDN#20220331

**Subject:**

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

<b>Affected Part Numbers</b>	<b><u>4Mb Low Power rev.A ASRAM:</u></b> <ul style="list-style-type: none"><li>AS6C4008A-55SIN, AS6C4008A-55SINTR</li><li>AS6C4008A-55TIN, AS6C4008A-55TINTR</li><li>AS6C4008A-55ZIN, AS6C4008A-55ZINTR</li><li>AS6C4008A-55STIN, AS6C4008A-55STINTR</li><li>AS6C4008A-55BIN, AS6C4008A-55BINTR</li></ul>
<b>Description of Change:</b>	<b>End-Of-Line</b> of affected Part Numbers
<b>Reason for Change</b>	<ul style="list-style-type: none"><li>Very Low demands</li><li>Very Long lead times &gt; 52weeks</li></ul>
<b>Traceability, Guidelines</b>	Traceable through marketing part number
<b>Alternative Part</b>	See Table.1
<b>Summary of Alternative</b>	See Table.1

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

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



**Table 1 – Affected and Alternative Part Numbers**

<b>Product</b>	<b>EOL Affected Part Number</b>	<b>Affected Part Product Description</b>	<b>Alternative Part Number</b>
<b>Low Power ASRAM</b>	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



**Alliance Memory Inc.**

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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 31<sup>st</sup>, 2023** with last time buy (LTB) deadline on **June 30<sup>th</sup>, 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.

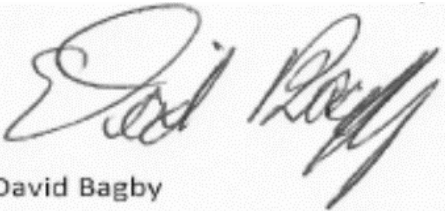
Alliance Memory Inc. will make all reasonable commercial efforts to honor all purchase orders placed before LTB and scheduled delivery dates but reserves the right to not accept new orders or to cancel existing orders if they cannot be fulfilled in standard lead times.

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.





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

Part Number & result Parameter	AS6C4008A-55xIN/TR	AS6C4008-55xIN/TR	Comments
<b>Product Description</b>	Low Power ASRAM <b>Rev.A</b>	Low Power ASRAM <b>Rev.0</b>	
<b>Fab / Process Technology</b>	<b>GF Fab, 150nm</b>	<b>HHGSMC Fab, 150nm</b>	
<b>Capacity / Density</b>	4Mb	4Mb	Same
<b>Memory Organization</b>	512K x 8bits	512K x 8bits	Same
<b>Operating Power Supply</b>	V <sub>CC</sub> =2.7V ~ 3.6V	V <sub>CC</sub> =2.7V ~ 5.5V	Rev0 better
<b>Operating Temperature</b>	Industrial (-40°C to 85°C)	Industrial (-40°C to 85°C)	Same
<b>I/O Capacitance</b>	CIO: 8pf (Max.)	CIO: 8pf (Max.)	Same
<b>Read Cycle Time (tRC)</b>	55ns (Min.)	55ns (Min.)	Same
<b>Write Cycle Time (tWC)</b>	55ns (Min.)	55ns (Min.)	Same
<b>Addr Access Time(tAA)</b>	55ns (Max.)	55ns (Max.)	Same
<b>OE Access Time (tOE)</b>	30ns (Max.)	30ns (Max.)	Same
<b>V<sub>OH</sub>(V) @ -1.0mA</b>	2.2 (Min.)	2.4 (Min.)	Same
<b>V<sub>OL</sub>(V) @ 2mA</b>	0.4 (Max.)	0.4 (Max.)	Same
<b>V<sub>IH</sub>(V)</b>	2.2 (Min.)	2.2 (Min.)	Same
<b>V<sub>IL</sub>(V)</b>	0.6 (Max.)	0.6 (Max.)	Same
<b>I<sub>LI</sub> / I<sub>LO</sub>(uA)</b>	1 (Max.)	1 (Max.)	Same
<b>Operating. Current (Max)</b>	I <sub>CC</sub> = 40mA	I <sub>CC</sub> = 60mA (@5.5V)	Comparable
<b>Operating. Current (1us)</b>	I <sub>CC1</sub> = 5mA (Max.)	I <sub>CC1</sub> = 10mA (@5.5V)	Comparable
<b>Standby Current I<sub>SB1</sub></b>	12uA (Max.)	50uA (Max.)	Comparable
<b>V<sub>DR</sub></b>	1.5V (Min.)	1.5V (Min.)	Same
<b>Package</b>	<b>AS6C4008A-55SIN</b> 32pin 450mils SOP	<b>AS6C4008-55SIN</b> 32pin 450mils SOP	Same
	<b>AS6C4008A-55TIN</b> 32pin TSOP I (8x20mm)	<b>AS6C4008-55TIN</b> 32pin TSOP I (8x20mm)	Same
	<b>AS6C4008A-55STIN</b> 32pin sTSOP (8x13.4mm)	<b>AS6C4008-55STIN</b> 32pin sTSOP (8x13.4mm)	Same
	<b>AS6C4008A-55ZIN</b> 32pin 400mils TSOP II	<b>AS6C4008-55ZIN</b> 32pin 400mils TSOP II	Same
	<b>AS6C4008A-55BIN</b> 36ball TFBGA (6x8mm)	<b>AS6C4008-55BIN</b> 36ball TFBGA (6x8mm)	Same
<b>Package Material</b>	Pb and Halogen Free		Same
<b>Pin to Pin Compatible</b>	Yes		Same