

Product and Process Change Notice

PCN No.	PCN03012	PCN Date	8/21/2019	Effective Date	11/20/2019
Title	ChipMOS as additional assembly site for the 16Mb MRAM BGA package				

Type: Major Change

Everspin is adding ChipMOS as a qualified assembly site for the 16Mb MRAM BGA package.

Reason For Change

In order to increase capacity and improve supply flexibility, Everspin is adding ChipMOS as a qualified assembly site for the 16Mb MRAM BGA package.

Affected Products

Part Number	Description	Part Number	Description
MR4A16BMA35	Commercial Temp.	MR4A16BMA35R	Commercial Temp., T&R
MR4A16BCMA35	Industrial Temp.	MR4A16BCMA35R	Industrial Temp., T&R
MR4A08BMA35	Commercial Temp.	MR4A08BMA35R	Commercial Temp., T&R
MR4A08BCMA35	Industrial Temp.	MR4A08BCMA35R	Industrial Temp., T&R

Impact on Form, Fit, Function, Quality or Reliability

No impact

Proposed First Ship Date for Change:

Nov 20, 2019

Key Material Differences

Site	ChipMOS	UDG
Mold Compound	Sumitomo EME-G760	Nitto GE-100AT
BLT1 Die Attach	Henkel 2025D	Henkel QMI536NB
BLT2 Die Attach	Nitto EM-710 (DAF)	Hitachi FH-9011-25(DAF)
BLT3 Die Attach	Henkel QMI550	Henkel QMI536NB

Product Identifier

Assembly site code = H for ChipMOS Taiwan

Supplier Qual Plan Schedule and Results

Qualification is complete and all Everspin requirements met; a qualification report is available on request.

Date Qualification Samples Are Available:





Samples are generally available now but please request your specific part number to your Everspin Sales contact.

Acceptance of Change

Everspin will consider this change accepted unless specific conditions for acceptance are provided in writing within 30 days of receipt of this notice.

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Contact Information		Sample Information <input checked="" type="checkbox"/> Samples Available Now
Product Marketing Everspin Technologies (480) 347-1111		Contact Everspin sales: http://www.everspin.com/contact-us-everspin-technologies If using the on-line sample request please refer to this PCN # to receive samples.
Originator		
<u>Date</u> 8/21/2019	<u>Title</u> Senior Quality Engineer	<u>Name</u> Paul Drobny 
Approval and Release		
<u>Date</u> 8/21/2019	<u>Title</u> Director of Quality	<u>Name</u> Khaloun Barakat 
<u>Date</u> 8/21/2019	<u>Title</u> VP of Marketing	<u>Name</u> Rizwan Ahmed 
<u>Date</u> 8/21/2019	<u>Title</u> VP of Operations	<u>Name</u> Norm Armour 
<u>Date</u> 8/21/2019	<u>Title</u> VP of Sales	<u>Name</u> Troy Winslow 