

# Product and Process Change Notice

<b>PCN No.</b>	PCN02968	<b>PCN Date</b>	12/22/2016	<b>Effective Date</b>	3/22/2017
<b>Title</b>	<b>Additional Assembly Site for 16Mb (x8) TSOP-44 Package</b>				

## Type: Major Change

Everspin is adding OSE as a qualified assembly site for the 16Mb(x8) MRAM TSOP-44 pin package.

## Description and Affected Products

In order to improve supply flexibility, Everspin is adding the 16mb x8 MRAM to the list of approved products from our assembly subcontractor OSE. OSE is already a qualified assembly supplier to Everspin for TSOP 44 since 8/29/2014 for our 1Mb and 4Mb products. We have now added the 16Mb(x8) to the approved list.

Part Number	Description	Part Number	Description
MR4A08BYS35	Commercial Temp.	MR4A08BYS35R	Commercial Temp., T&R
MR4A08BCYS35	Industrial Temp.	MR4A08BCYS35R	Industrial Temp., T&R

## Proposed First Ship Date for Change:

March 21, 2017 or sooner depending on customer approvals

## Key Material Differences

Material	ASEK Lynx8TS 44	OSE Lynx8TS 44
Mold Compound	SUMITOMO EME-G631H	SUMITOMO EME-G631H
Wire	Au 1 mil diameter 4N	Au, 0.8mil 4N
Lead Frame	Alloy 42	Copper7025
BLT1 Epoxy	YIZBond 8143	Nitto EM700J-P-10 DAF
BLT2 Epoxy	Hitachi FH-900-25 (DAF)	Nitto EM700J-P-10 DAF
BLT3 Epoxy	Henkel QMI550	Nitto EM310VJ1-P-50 DAF
Top Shield P/N	ESJ85N44AT2EA	ESJ85N44AT2EA
Bottom Shield P/N	ESJ85N44AB2EA	ESJ85N44AB2EA
Plating	Matte Sn	Matte Sn

## Product Identifier

Assembly site code = S

## Supplier Qual Plan Schedule and Results

Qualification is complete and a report is available on request

## Date Qualification Samples Are Available:


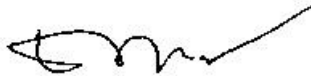

Now

## 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.

# Product and Process Change Notice

<b>PCN No.</b>	PCN02968	<b>PCN Date</b>	12/22/2016	<b>Effective Date</b>	3/22/2017
<b>Title</b>	<b>Additional Assembly Site for 16Mb (x8) TSOP-44 Package</b>				

Contact Information		Sample Information <input checked="" type="checkbox"/> Samples Available Now
Joe O'Hare Director, Product Marketing Everspin Technologies <a href="mailto:joe.ohare@everspin.com">joe.ohare@everspin.com</a> (512) 410-3651 x224		Contact Everspin sales: <a href="http://www.everspin.com/contact-us-everspin-technologies">http://www.everspin.com/contact-us-everspin-technologies</a> If using the on-line sample request please refer to this PCN # to receive samples.
Originator		
<u>Date</u> 12/22/2016	<u>Title</u> Marketing Director	<u>Name</u> Joe O'Hare 
Approval and Release		
<u>Date</u> 12/22/2016	<u>Title</u> Director of Quality	<u>Name</u> Mehar Mahal 
<u>Date</u> 12/22/2016	<u>Title</u> VP of Sales and Marketing	<u>Name</u> Scott Sewell 
<u>Date</u> 12/22/2016	<u>Title</u> VP of Business Development and Supply Chain	<u>Name</u> Angelo Ugge 