

<b>PCN No.</b>	PCN02956	<b>PCN Date</b>	10/5/2016	<b>Effective Date</b>	11/7/2016
<b>Title</b>	<b>Additional Assembly Site for 16Mb (x16) 54p TSOP Package</b>				

**Type: Major Change**

Everspin is adding ChipMOS as a qualified assembly site for the 16Mb(x16) 54p TSOP package.

**Reason For Change**

In order to increase capacity and improve supply flexibility, Everspin is adding ChipMOS as an assembly site for the 54p TSOP package.

**Affected Products**

Part Number	Description	Part Number	Description
MR4A16BYS35	Commercial Temp.	MR4A16BYS35R	Commercial Temp., T&R
MR4A16BCYS35	Industrial Temp.	MR4A16BCYS35R	Industrial Temp., T&R

**Purpose: Detail Description of Change**

ChipMOS is a well-established assembly subcontractor. Everspin is qualifying ChipMOS to supply the 54p TSOP2 package type on our 16Mb (x16) device.

**Impact on Form, Fit, Function, Quality or Reliability**

No impact

**Proposed First Ship Date for Change:**

November 7, 2016

**Last Date of Manufacture of the Unchanged Product:**

N/A

**Key Material Differences**

	Site	
Material	ChipMos	ASE-K
Mold Compound	SUMITOMO EME-G631H	SUMITOMO EME-G631H
Wire	Au 1 mil diameter 4N	Au 1 mil diameter 4N
Lead Frame	Copper7025	Alloy 42
BLT1 Epoxy	YIZBond 8143	YIZBond 8143
BLT2 Epoxy	Nitto EM710CA	Hitachi FH-900-25 (DAF)
BLT3 Epoxy	Henkel QMI550	Henkel QMI550
Top Shield P/N	ESJ85N44AT2EA	ESJ85N44AT2EA
Bottom Shield P/N	ESJ85N44AB2EA	ESJ85N44AB2EA
Plating	Matte Sn	Matte Sn

**Product Identifier**

Assembly site code = H for ChipMOS Taiwan

# Product and Process Change Notice

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### Supplier Qual Plan Schedule and Results


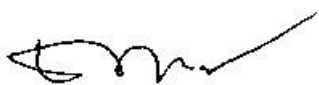
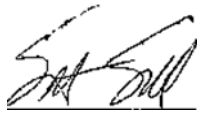
Qualification is complete and a report is available on request.

### 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.

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> 10/3/2016	<u>Title</u> Marketing Director	<u>Name</u> Joe O'Hare 	
Approval and Release			
<u>Date</u> 10/3/2016	<u>Title</u> Director of Quality	<u>Name</u> Mehtar Mahal 	
<u>Date</u> 10/3/2016	<u>Title</u> VP of Sales and Marketing	<u>Name</u> Scott Sewell 	
<u>Date</u> 10/3/2016	<u>Title</u> VP of Business Development and Supply Chain	<u>Name</u> Angelo Ugge 