



Commercial Business Unit  
Microsemi Corporation

Microsemi Commercial Offshore de Macau Limitada  
Avenida Doutor Mario Soares  
Bank of China Building, 18/F, Unit D  
Macau SAR

## PRODUCT CHANGE NOTIFICATION

Date created : 01<sup>st</sup> October 2012  
Date issued : 01<sup>st</sup> October 2012  
PCN # : 2012-009

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**PCN # 2012-009: Product Change Notification Assembly Transfer SOIC Packages SO8,  
SO14, SO16.**

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**PROPOSED FIRST SHIP DATE: 19<sup>th</sup> October**

**AFFECTED CHANGE CATEGORY: Sub Contractor Assembly Site**

**AFFECTED PRODUCT DIVISION: CBU (HRG)**

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact Sales Office: Ciara O'Callaghan ([cocallaghan@microsemi.com](mailto:cocallaghan@microsemi.com))

**NOTIFICATION TYPE:**

Process Change Notification (PCN) follow up to IPCN 2012-2003 issued 20<sup>th</sup> April 2012.

**DESCRIPTION AND PURPOSE:**

This notification is to announce Microsemi is moving manufacturing production for SOIC-8,14,16 products.

**Reason**

The devices listed in this PCN have historically been assembled & tested in Thailand. Due to recent flooding in Thailand this notification is to advise our customers that Microsemi transferred the assembly of SOIC-8,14,16 & QFN to our qualified Sub Contractor Partner in Malaysia.

There will be no changes in device functionality. Reliability will continue to meet or exceed Microsemi highest standards.

Qualification and Reliability data is available upon request.



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### **PRODUCT PART NUMBERS AFFECTED BY THIS ANNOUNCEMENT**

**See below**

If you have any questions concerning this change, please contact:

#### **North America**

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#### **Europe & Asia**

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Phone: + 353 65 6869140

#### **PCN Originator/Product line Manager :**

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MSC part number	Device type	Package
MMAD1103e3/TR13	Diode Array	SO14
MMAD1104e3/TR13	Diode Array	SO14
MMAD1105e3/TR13	Diode Array	SO14
MMAD1106e3/TR13	Diode Array	SO14
MMAD1109e3/TR13	Diode Array	SO14
MMAD130e3/TR13	Diode Array	SO14
MMAD1108e3/TR13	Diode Array	SO16
MMAD1103/TR13	Diode Array	SO14
MMAD1104/TR13	Diode Array	SO14
MMAD1105/TR13	Diode Array	SO14
MMAD1106/TR13	Diode Array	SO14
MMAD1107/TR13	Diode Array	SO14
MMAD1109/TR13	Diode Array	SO14
MMAD130/TR13	Diode Array	SO14
MMAD1108/TR13	Diode Array	SO16
S8-4148e3/TR7	Diode Array	SO8
S8-4148e3/TR13	Diode Array	SO8
S8-4150e3/TR7	Diode Array	SO8
S8-4150e3/TR13	Diode Array	SO8
S8-4148/TR7	Diode Array	SO8
S8-4148/TR13	Diode Array	SO8
S8-4150/TR7	Diode Array	SO8
S8-4150/TR13	Diode Array	SO8
S16-4148e3/TR7	Diode Array	SO16
S16-4148e3/TR13	Diode Array	SO16
S16-4150e3/TR7	Diode Array	SO16
S16-4150e3/TR13	Diode Array	SO16
S16-4148/TR7	Diode Array	SO16
S16-4148/TR13	Diode Array	SO16
S16-4150/TR7	Diode Array	SO16
S16-4150/TR13	Diode Array	SO16
SM8LC03e3/TR7	Low Capacitance TVS array	SO8
SM8LC05e3/TR7	Low Capacitance TVS array	SO8



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SM8LC12e3/TR7	Low Capacitance TVS array	S08
SM8LC15e3/TR7	Low Capacitance TVS array	S08
SM8LC24e3/TR7	Low Capacitance TVS array	S08
SM8LC03e3/TR13	Low Capacitance TVS array	S08
SM8LC05e3/TR13	Low Capacitance TVS array	S08
SM8LC12e3/TR13	Low Capacitance TVS array	S08
SM8LC15e3/TR13	Low Capacitance TVS array	S08
SM8LC24e3/TR13	Low Capacitance TVS array	S08
SM8LC03/TR7	Low Capacitance TVS array	S08
SM8LC05/TR7	Low Capacitance TVS array	S08
SM8LC12/TR7	Low Capacitance TVS array	S08
SM8LC15/TR7	Low Capacitance TVS array	S08
SM8LC24/TR7	Low Capacitance TVS array	S08
SM8LC03/TR13	Low Capacitance TVS array	S08
SM8LC05/TR13	Low Capacitance TVS array	S08
SM8LC12/TR13	Low Capacitance TVS array	S08
SM8LC15/TR13	Low Capacitance TVS array	S08
SM8LC24/TR13	Low Capacitance TVS array	S08
SM16LC03Ce3/TR13	Low Capacitance TVS array	S016
SM16LC05Ce3/TR13	Low Capacitance TVS array	S016
SM16LC08Ce3/TR13	Low Capacitance TVS array	S016
SM16LC12Ce3/TR13	Low Capacitance TVS array	S016
SM16LC15Ce3/TR13	Low Capacitance TVS array	S016
SM16LC24Ce3/TR13	Low Capacitance TVS array	S016
SM16LC03C/TR13	Low Capacitance TVS array	S016
SM16LC05C/TR13	Low Capacitance TVS array	S016
SM16LC08C/TR13	Low Capacitance TVS array	S016
SM16LC12C/TR13	Low Capacitance TVS array	S016
SM16LC15C/TR13	Low Capacitance TVS array	S016
SM16LC24C/TR13	Low Capacitance TVS array	S016
SM16LC03e3/TR13	Low Capacitance TVS array	S016
SM16LC05e3/TR13	Low Capacitance TVS array	S016
SM16LC08e3/TR13	Low Capacitance TVS array	S016
SM16LC12e3/TR13	Low Capacitance TVS array	S016
SM16LC15e3/TR13	Low Capacitance TVS array	S016
SM16LC24e3/TR13	Low Capacitance TVS array	S016



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SM16LC03/TR13	Low Capacitance TVS array	SO16
SM16LC05/TR13	Low Capacitance TVS array	SO16
SM16LC08/TR13	Low Capacitance TVS array	SO16
SM16LC12/TR13	Low Capacitance TVS array	SO16
SM16LC15/TR13	Low Capacitance TVS array	SO16
SM16LC24/TR13	Low Capacitance TVS array	SO16
SM16Z4689	Hez reg Zener array	SO16
SM1603/TR13	TVS array	SO16
SM1605/TR13	TVS array	SO16
SM1612/TR13	TVS array	SO16
SM1615/TR13	TVS array	SO16
SM1624/TR13	TVS array	SO16
SM1603e3/TR13	TVS array	SO16
SM1605e3/TR13	TVS array	SO16
SM1612e3/TR13	TVS array	SO16
SM1615e3/TR13	TVS array	SO16
SM1624e3/TR13	TVS array	SO16
SM1603C/TR13	TVS array	SO16
SM1605C/TR13	TVS array	SO16
SM1612C/TR13	TVS array	SO16
SM1615C/TR13	TVS array	SO16
SM1624C/TR13	TVS array	SO16
SM1603Ce3/TR13	TVS array	SO16
SM1605Ce3/TR13	TVS array	SO16
SM1612Ce3/TR13	TVS array	SO16
SM1615Ce3/TR13	TVS array	SO16
SM1624Ce3/TR13	TVS array	SO16
SMDA03/TR7	TVS array	SO8
SMDA05/TR7	TVS array	SO8
SMDA12/TR7	TVS array	SO8
SMDA15/TR7	TVS array	SO8
SMDA24/TR7	TVS array	SO8
SMDA03/TR13	TVS array	SO8
SMDA05/TR13	TVS array	SO8
SMDA12/TR13	TVS array	SO8
SMDA15/TR13	TVS array	SO8



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SMDA24/TR13	TVS array	S08
SMDA03e3/TR7	TVS array	S08
SMDA05e3/TR7	TVS array	S08
SMDA12e3/TR7	TVS array	S08
SMDA15e3/TR7	TVS array	S08
SMDA24e3/TR7	TVS array	S08
SMDA03e3/TR13	TVS array	S08
SMDA05e3/TR13	TVS array	S08
SMDA12e3/TR13	TVS array	S08
SMDA15e3/TR13	TVS array	S08
SMDA24e3/TR13	TVS array	S08
SMDA03C/TR7	TVS array	S08
SMDA05C/TR7	TVS array	S08
SMDA12C/TR7	TVS array	S08
SMDA15C/TR7	TVS array	S08
SMDA24C/TR7	TVS array	S08
SMDA03C/TR13	TVS array	S08
SMDA05C/TR13	TVS array	S08
SMDA12C/TR13	TVS array	S08
SMDA15C/TR13	TVS array	S08
SMDA24C/TR13	TVS array	S08
SMDA03Ce3/TR7	TVS array	S08
SMDA05Ce3/TR7	TVS array	S08
SMDA12Ce3/TR7	TVS array	S08
SMDA15Ce3/TR7	TVS array	S08
SMDA24Ce3/TR7	TVS array	S08
SMDA03Ce3/TR13	TVS array	S08
SMDA05Ce3/TR13	TVS array	S08
SMDA12Ce3/TR13	TVS array	S08
SMDA15Ce3/TR13	TVS array	S08
SMDA24Ce3/TR13	TVS array	S08
SMDB03/TR7	TVS array	S08
SMDB05/TR7	TVS array	S08
SMDB12/TR7	TVS array	S08
SMDB15/TR7	TVS array	S08
SMDB24/TR7	TVS array	S08



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SMDB03/TR13	TVS array	S08
SMDB05/TR13	TVS array	S08
SMDB12/TR13	TVS array	S08
SMDB15/TR13	TVS array	S08
SMDB24/TR13	TVS array	S08
SMDB03e3/TR7	TVS array	S08
SMDB05e3/TR7	TVS array	S08
SMDB12e3/TR7	TVS array	S08
SMDB15e3/TR7	TVS array	S08
SMDB24e3/TR7	TVS array	S08
SMDB03e3/TR13	TVS array	S08
SMDB05e3/TR13	TVS array	S08
SMDB12e3/TR13	TVS array	S08
SMDB15e3/TR13	TVS array	S08
SMDB24e3/TR13	TVS array	S08
SMDB03C/TR7	TVS array	S08
SMDB05C/TR7	TVS array	S08
SMDB12C/TR7	TVS array	S08
SMDB15C/TR7	TVS array	S08
SMDB24C/TR7	TVS array	S08
SMDB03C/TR13	TVS array	S08
SMDB05C/TR13	TVS array	S08
SMDB12C/TR13	TVS array	S08
SMDB15C/TR13	TVS array	S08
SMDB24C/TR13	TVS array	S08
SMDB03Ce3/TR7	TVS array	S08
SMDB05Ce3/TR7	TVS array	S08
SMDB12Ce3/TR7	TVS array	S08
SMDB15Ce3/TR7	TVS array	S08
SMDB24Ce3/TR7	TVS array	S08
SMDB03Ce3/TR13	TVS array	S08
SMDB05Ce3/TR13	TVS array	S08
SMDB12Ce3/TR13	TVS array	S08
SMDB15Ce3/TR13	TVS array	S08
SMDB24Ce3/TR13	TVS array	S08
SMDA03C-4/TR7	TVS array	S08



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SMDA05C-4/TR7	TVS array	SO8
SMDA12C-4/TR7	TVS array	SO8
SMDA15C-4/TR7	TVS array	SO8
SMDA24C-4/TR7	TVS array	SO8
SMDA03C-4/TR13	TVS array	SO8
SMDA05C-4/TR13	TVS array	SO8
SMDA12C-4/TR13	TVS array	SO8
SMDA15C-4/TR13	TVS array	SO8
SMDA24C-4/TR13	TVS array	SO8
SMDA03C-4e3/TR7	TVS array	SO8
SMDA05C-4e3/TR7	TVS array	SO8
SMDA12C-4e3/TR7	TVS array	SO8
SMDA15C-4e3/TR7	TVS array	SO8
SMDA24C-4e3/TR7	TVS array	SO8
SMDA03C-4e3/TR13	TVS array	SO8
SMDA05C-4e3/TR13	TVS array	SO8
SMDA12C-4e3/TR13	TVS array	SO8
SMDA15C-4e3/TR13	TVS array	SO8
SMDA24C-4e3/TR13	TVS array	SO8
SMDA03C-5/TR7	TVS array	SO8
SMDA05C-5/TR7	TVS array	SO8
SMDA12C-5/TR7	TVS array	SO8
SMDA15C-5/TR7	TVS array	SO8
SMDA24C-5/TR7	TVS array	SO8
SMDA03C-5/TR13	TVS array	SO8
SMDA05C-5/TR13	TVS array	SO8
SMDA12C-5/TR13	TVS array	SO8
SMDA15C-5/TR13	TVS array	SO8
SMDA24C-5/TR13	TVS array	SO8
SMDA03C-5e3/TR7	TVS array	SO8
SMDA05C-5e3/TR7	TVS array	SO8
SMDA12C-5e3/TR7	TVS array	SO8
SMDA15C-5e3/TR7	TVS array	SO8
SMDA24C-5e3/TR7	TVS array	SO8
SMDA03C-5e3/TR13	TVS array	SO8
SMDA05C-5e3/TR13	TVS array	SO8





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SMDA12C-5e3/TR13	TVS array	S08
SMDA15C-5e3/TR13	TVS array	S08
SMDA24C-5e3/TR13	TVS array	S08
SMDA03-6/TR7	TVS array	S08
SMDA05-6/TR7	TVS array	S08
SMDA12-6/TR7	TVS array	S08
SMDA15-6/TR7	TVS array	S08
SMDA24-6/TR7	TVS array	S08
SMDA03-6/TR13	TVS array	S08
SMDA05-6/TR13	TVS array	S08
SMDA12-6/TR13	TVS array	S08
SMDA15-6/TR13	TVS array	S08
SMDA24-6/TR13	TVS array	S08
SMDA03-6e3/TR7	TVS array	S08
SMDA05-6e3/TR7	TVS array	S08
SMDA12-6e3/TR7	TVS array	S08
SMDA15-6e3/TR7	TVS array	S08
SMDA24-6e3/TR7	TVS array	S08
SMDA03-6e3/TR13	TVS array	S08
SMDA05-6e3/TR13	TVS array	S08
SMDA12-6e3/TR13	TVS array	S08
SMDA15-6e3/TR13	TVS array	S08
SMDA24-6e3/TR13	TVS array	S08
SMDA03-7/TR7	TVS array	S08
SMDA05-7/TR7	TVS array	S08
SMDA12-7/TR7	TVS array	S08
SMDA15-7/TR7	TVS array	S08
SMDA24-7/TR7	TVS array	S08
SMDA03-7/TR13	TVS array	S08
SMDA05-7/TR13	TVS array	S08
SMDA12-7/TR13	TVS array	S08
SMDA15-7/TR13	TVS array	S08
SMDA24-7/TR13	TVS array	S08
SMDA03-7e3/TR7	TVS array	S08
SMDA05-7e3/TR7	TVS array	S08
SMDA12-7e3/TR7	TVS array	S08



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SMDA15-7e3/TR7	TVS array	SO8
SMDA24-7e3/TR7	TVS array	SO8
SMDA03-7e3/TR13	TVS array	SO8
SMDA05-7e3/TR13	TVS array	SO8
SMDA12-7e3/TR13	TVS array	SO8
SMDA15-7e3/TR13	TVS array	SO8
SMDA24-7e3/TR13	TVS array	SO8
SMDA03C-8/TR7	TVS array	SO14
SMDA05C-8/TR7	TVS array	SO14
SMDA12C-8/TR7	TVS array	SO14
SMDA15C-8/TR7	TVS array	SO14
SMDA24C-8/TR7	TVS array	SO14
SMDA03C-8/TR13	TVS array	SO14
SMDA05C-8/TR13	TVS array	SO14
SMDA12C-8/TR13	TVS array	SO14
SMDA15C-8/TR13	TVS array	SO14
SMDA24C-8/TR13	TVS array	SO14
SMDA03C-8e3/TR7	TVS array	SO14
SMDA05C-8e3/TR7	TVS array	SO14
SMDA12C-8e3/TR7	TVS array	SO14
SMDA15C-8e3/TR7	TVS array	SO14
SMDA24C-8e3/TR7	TVS array	SO14
SMDA03C-8e3/TR13	TVS array	SO14
SMDA05C-8e3/TR13	TVS array	SO14
SMDA12C-8e3/TR13	TVS array	SO14
SMDA15C-8e3/TR13	TVS array	SO14
SMDA24C-8e3/TR13	TVS array	SO14
USB50803C-A/TR7	TVS array	SO8
USB50805C-A/TR7	TVS array	SO8
USB50812C-A/TR7	TVS array	SO8
USB50815C-A/TR7	TVS array	SO8
USB50824C-A/TR7	TVS array	SO8
USB50803C-A/TR13	TVS array	SO8
USB50805C-A/TR13	TVS array	SO8
USB50812C-A/TR13	TVS array	SO8
USB50815C-A/TR13	TVS array	SO8



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USB50824C-A/TR13	TVS array	S08
USB50803C-Ae3/TR7	TVS array	S08
USB50805C-Ae3/TR7	TVS array	S08
USB50812C-Ae3/TR7	TVS array	S08
USB50815C-Ae3/TR7	TVS array	S08
USB50824C-Ae3/TR7	TVS array	S08
USB50803C-Ae3/TR13	TVS array	S08
USB50805C-Ae3/TR13	TVS array	S08
USB50812C-Ae3/TR13	TVS array	S08
USB50815C-Ae3/TR13	TVS array	S08
USB50824C-Ae3/TR13	TVS array	S08
USB50803C/TR7	TVS array	S08
USB50805C/TR7	TVS array	S08
USB50812C/TR7	TVS array	S08
USB50815C/TR7	TVS array	S08
USB50824C/TR7	TVS array	S08
USB50803C/TR13	TVS array	S08
USB50805C/TR13	TVS array	S08
USB50812C/TR13	TVS array	S08
USB50815C/TR13	TVS array	S08
USB50824C/TR13	TVS array	S08
USB50803Ce3/TR7	TVS array	S08
USB50805Ce3/TR7	TVS array	S08
USB50812Ce3/TR7	TVS array	S08
USB50815Ce3/TR7	TVS array	S08
USB50824Ce3/TR7	TVS array	S08
USB50803Ce3/TR13	TVS array	S08
USB50805Ce3/TR13	TVS array	S08
USB50812Ce3/TR13	TVS array	S08
USB50815Ce3/TR13	TVS array	S08
USB50824Ce3/TR13	TVS array	S08
USB50803/TR7	TVS array	S08
USB50805/TR7	TVS array	S08
USB50812/TR7	TVS array	S08
USB50815/TR7	TVS array	S08
USB50824/TR7	TVS array	S08



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USB50803/TR13	TVS array	S08
USB50805/TR13	TVS array	S08
USB50812/TR13	TVS array	S08
USB50815/TR13	TVS array	S08
USB50824/TR13	TVS array	S08
USB50803e3/TR7	TVS array	S08
USB50805e3/TR7	TVS array	S08
USB50812e3/TR7	TVS array	S08
USB50815e3/TR7	TVS array	S08
USB50824e3/TR7	TVS array	S08
USB50803e3/TR13	TVS array	S08
USB50805e3/TR13	TVS array	S08
USB50812e3/TR13	TVS array	S08
USB50815e3/TR13	TVS array	S08
USB50824e3/TR13	TVS array	S08
SMDA03C-4-2/TR7	TVS array	S08
SMDA05C-4-2/TR7	TVS array	S08
SMDA12C-4-2/TR7	TVS array	S08
SMDA15C-4-2/TR7	TVS array	S08
SMDA24C-4-2/TR7	TVS array	S08
SMDA03C-4-2/TR13	TVS array	S08
SMDA05C-4-2/TR13	TVS array	S08
SMDA12C-4-2/TR13	TVS array	S08
SMDA15C-4-2/TR13	TVS array	S08
SMDA24C-4-2/TR13	TVS array	S08
SMDA03C-4-2e3/TR7	TVS array	S08
SMDA05C-4-2e3/TR7	TVS array	S08
SMDA12C-4-2e3/TR7	TVS array	S08
SMDA15C-4-2e3/TR7	TVS array	S08
SMDA24C-4-2e3/TR7	TVS array	S08
SMDA03C-4-2e3/TR13	TVS array	S08
SMDA05C-4-2e3/TR13	TVS array	S08
SMDA12C-4-2e3/TR13	TVS array	S08
SMDA15C-4-2e3/TR13	TVS array	S08
SMDA24C-4-2e3/TR13	TVS array	S08
USBQ50405CE3/TR7	TVS array	QFN



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## PRODUCT CHANGE NOTIFICATION

Date created : **01<sup>st</sup> October 2012**  
Date issued : **01<sup>st</sup> October 2012**  
PCN # : **2012-009**

USBQ50405E3/TR7	TVS array	QFN
USBQ50412CE3/TR7	TVS array	QFN
USBQ50412E3/TR7	TVS array	QFN
USBQ50415CE3/TR7	TVS array	QFN
USBQ50415E3/TR7	TVS array	QFN
USBQ50424CE3/TR7	TVS array	QFN
USBQ50424E3/TR7	TVS array	QFN
USBQNM50403CE3/TR7	TVS array	QFN
USBQNM50403E3/TR7	TVS array	QFN
USBQNM50405CE3/TR7	Non magnetic TVS array	QFN
USBQNM50405E3/TR7	Non magnetic TVS array	QFN
USBQNM50412CE3/TR7	Non magnetic TVS array	QFN
USBQNM50412E3/TR7	Non magnetic TVS array	QFN
USBQNM50415CE3/TR7	Non magnetic TVS array	QFN
USBQNM50415E3/TR7	Non magnetic TVS array	QFN
USBQNM50424CE3/TR7	Non magnetic TVS array	QFN
USBQNM50424E3/TR7	Non magnetic TVS array	QFN