

## Microsemi Corporation: 1018

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April 27, 2018

Product/Process Change Notification No: 1018

Change Classification: Major; Datasheet

### Subject

VSC8504XKS-01, VSC8504XKS-02, VSC8504XKS-04, VSC8504XKS-05, VSC8552XKS-01, VSC8552XKS-02, VSC8552XKS-04, VSC8552XKS-05 Datasheet Update

### Description of Change

The datasheets for the devices listed will be updated as described in this notification.

- Existing design consideration for Energy Efficient Ethernet (EEE) performance will be updated.
- For VSC8552, the use of the Clause 22 broadcast bit feature of the Serial Management Interface (SMI) will be clarified and a design consideration for MDIO addressing requirements will be added.

Product	Product Revision	Datasheet Revision From	Datasheet Revision To
VSC8504XKS-01, VSC8504XKS-04	D	4.1	4.2
VSC8504XKS-02, VSC8504XKS-05	E	4.0	4.1
VSC8552XKS-01, VSC8552XKS-04	D	4.2	4.3
VSC8552XKS-02, VSC8552XKS-05	E	4.0	4.1

### Reason for Change

The datasheets are being updated to reflect the actual performance of the devices.

### Application Impact

Customers should review the datasheet updates to assess the impact on their application.

### Products Affected by this Change

VSC8504XKS-01, VSC8504XKS-02, VSC8504XKS-04, VSC8504XKS-05, VSC8552XKS-01, VSC8552XKS-02, VSC8552XKS-04, VSC8552XKS-05

### Qualification Data

The updated datasheets will be available on the Microsemi web site at [www.microsemi.com](http://www.microsemi.com) by May 15, 2018.

### Contact Information

If you have further questions related to this topic, contact Microsemi's Technical Support at [ENT.quality@microsemi.com](mailto:ENT.quality@microsemi.com).

### Regards,

Microsemi Corporation

Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microsemi Sales Office, the factory contact shown above, or your local distributor.

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**Microsemi Corporate Headquarters**

One Enterprise, Aliso Viejo,  
CA 92656 USA  
Within the USA: +1 (800) 713-4113  
Outside the USA: +1 (949) 380-6100  
Fax: +1 (949) 215-4996  
Email: [sales.support@microsemi.com](mailto:sales.support@microsemi.com)  
[www.microsemi.com](http://www.microsemi.com)

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