

PRODUCT CHANGE NOTIFICATION

PCN# 1613DATE: 4/30/13PRODUCT AFFECTED:**Product Number**

VSC3008XSX-01
VSC3104XVP-01
VSC3108SX-01
VSC3108XSX-01
VSC3108XVP-01
VSC3208SX
VSC3208XSX
VSC3212XYP
VSC3212YYP
VSC3303HV-01
VSC3303XHV-01
VSC3304XHV-01
VSC3308KU
VSC3308XKU
VSC3312XYP-01
VSC3312XYP-31
VSC3312YYP-01
VSC3316XYP
VSC3316XYP-60
VSC3340JJ-01
VSC3340XJJ-01
VSC3340XJJ-31
VSC6134ST
VSC6134XST
VSC7104XVP-01
VSC7344XHU-01
VSC7346XHU-01
VSC7350XHU-01
VSC7431XIH
VSC7432XIH
VSC7434XIH
VSC7460XIH
VSC7462XIH
VSC8240IB-01
VSC8240XIB-01
VSC8242XHX-01
VSC8247JB-01
VSC8247XJB-01
VSC8248XJH-01
VSC8484XJP
VSC8487XJU
VSC8487XJU-15
VSC8488XJU
VSC8488XJU-15
VSC9135HM-01
VSC9135HM-12
VSC9135XHM-01
VSC9135XHM-12

VSC9138HM-01
VSC9138XHM-01
VSC9191XYX
VSC9191YX
VSC9295SM
VSC9295XSM

CHARACTERISTIC AFFECTED:

Material

PROPOSED CHANGES:

As part of the industry initiative to provide lead-free (Pb-free) and RoHS-compliant products, Vitesse is announcing material changes for the products listed in this notification.

All products will now be offered as fully RoHS-compliant parts by eliminating lead (Pb) in the devices. Vitesse is changing the wafer bumps from Pb to Pb-free. Wafer bumps connect the die to the substrate and are inside the package. These devices will have both Pb-free wafer bumps and Pb-free solder balls. The solder balls connect the package to the printed circuit board. To facilitate product traceability, Vitesse is changing the part ordering numbers for these new Pb-free devices.

For some product groups, Vitesse will continue to offer devices with Pb solder balls to accommodate customers as they shift to the newest environmental standards. Note that these products will also change to Pb-free wafer bumps. The part ordering numbers for these Pb solder ball devices will not change.

As part of this transition, there will be material changes. Information about the specific changes for each product will be available two weeks prior to the sample date. This information will be available upon request.

REASON FOR CHANGES:

Vitesse is proactively addressing the elimination of substances defined under RoHS and is taking the next step to continue to provide high quality, environmentally-sensitive products. As a result of the advancements that are taking place within the overall industry, Vitesse's suppliers are responding to the latest environmental requirements by retooling their bumping lines to support only Pb-free processes.

After this transition, Vitesse will be able to provide fully RoHS-compliant parts for all product groups without utilizing exemptions.

CUSTOMER RECOMMENDED ACTIONS:

Place orders for samples of the new-material parts with your Vitesse sales representative or distribution partner no later than July 1, 2013. Samples will be available for shipping from August 2013 through January 2014. Customers will need to be prepared to update their ordering information to support the new part numbers. After the transition is complete (including the depletion of current-material parts), the previous part ordering numbers can no longer be used as they will be discontinued. Note that there are no changes to electrical performance, mechanical use, or stated reliability. For information about specific part ordering numbers and dates, see the attached document.

PLANNED IMPLEMENTATION DATE:

Customers must be ready to receive parts using the new Pb-free bumps by June 3, 2014.

PLANNED EFFECTIVE DATE FOR CUSTOMER:

Beginning June 3, 2014, customers may receive parts with either material set until the inventories of the devices with the Pb wafer bumps are depleted. Vitesse account representatives will contact customers about updating purchase orders with the new part ordering numbers, once a depletion date for each of the current-material parts is determined. Note that the current parts and new parts will not be mixed in the same moisture barrier bag (MBB).

SUMMARY OF SUPPORTING INFORMATION:

Qualification reports, material composition declarations, and other supporting documents will be available on the Vitesse Web site at www.vitesse.com no later than March 1, 2014.

Note that you can sign up to receive e-mail alerts sent by the Vitesse Web site. Register today and personalize your "MyProducts" area at www.vitesse.com/myproducts to include updates for the products of your choice. This provides many benefits, such as the ability to receive alerts for new and updated information about specific products, including data sheets, application notes, reports, and other publications.

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Part Ordering Number		Estimated Sample Date	Bump Composition		Solder Ball Composition	
Current	New		Current	New	Current	New
VSC3008XSX-01	VSC3008YSX-01	10/20/2013	Pb	Pb-Free	Pb-free	No Change
VSC3104XVP-01	VSC3104YVP-01	10/20/2013	Pb	Pb-Free	Pb-free	No Change
VSC3108SX-01	No Change	10/20/2013	Pb	Pb-Free	Pb	No Change
VSC3108XSX-01	VSC3108YSX-01	10/20/2013	Pb	Pb-Free	Pb-free	No Change
VSC3108XVP-01	VSC3108YVP-01	10/20/2013	Pb	Pb-Free	Pb-free	No Change
VSC3208SX	No Change	11/17/2013	Pb	Pb-Free	Pb	No Change
VSC3208XSX	VSC3208YSX	11/17/2013	Pb	Pb-Free	Pb-free	No Change
VSC3212XYP	VSC3212YYP	12/8/2013	Pb	Pb-Free	Pb-free	No Change
VSC3212YP	No Change	12/8/2013	Pb	Pb-Free	Pb	No Change
VSC3303HV-01	No Change	11/3/2013	Pb	Pb-Free	Pb	No Change
VSC3303XHV-01	VSC3303YHV-01	11/3/2013	Pb	Pb-Free	Pb-free	No Change
VSC3304XHV-01	VSC3304YHV-01	11/3/2013	Pb	Pb-Free	Pb-free	No Change
VSC3308KU	No Change	10/6/2013	Pb	Pb-Free	Pb	No Change
VSC3308XKU	VSC3308YKU	10/6/2013	Pb	Pb-Free	Pb-free	No Change
VSC3312XYP-01	VSC3312YYP-01	11/17/2013	Pb	Pb-Free	Pb-free	No Change
VSC3312XYP-31	VSC3312YYP-31	11/17/2013	Pb	Pb-Free	Pb-free	No Change
VSC3312YP-01	No Change	11/17/2013	Pb	Pb-Free	Pb	No Change
VSC3316XYP	VSC3316YYP	10/27/2013	Pb	Pb-Free	Pb-free	No Change
VSC3316XYP-60	VSC3316YYP-60	10/27/2013	Pb	Pb-Free	Pb-free	No Change
VSC3340JJ-01	No Change	10/6/2013	Pb	Pb-Free	Pb	No Change
VSC3340XJJ-01	VSC3340YJJ-01	10/6/2013	Pb	Pb-Free	Pb-free	No Change
VSC3340XJJ-31	VSC3340YJJ-31	10/6/2013	Pb	Pb-Free	Pb-free	No Change
VSC6134ST	No Change	11/24/2013	Pb	Pb-Free	Pb	No Change
VSC6134XST	VSC6134YST	11/24/2013	Pb	Pb-Free	Pb-free	No Change
VSC7104XVP-01	VSC7104YVP-01	10/20/2013	Pb	Pb-Free	Pb-free	No Change
VSC7344XHU-01	VSC7344YHU-01	9/29/2013	Pb	Pb-Free	Pb-free	No Change
VSC7346XHU-01	VSC7346YHU-01	9/29/2013	Pb	Pb-Free	Pb-free	No Change
VSC7350XHU-01	VSC7350YHU-01	9/29/2013	Pb	Pb-Free	Pb-free	No Change
VSC7431XIH	VSC7431YIH	8/25/2013	Pb	Pb-Free	Pb-free	No Change
VSC7432XIH	VSC7432YIH	8/25/2013	Pb	Pb-Free	Pb-free	No Change
VSC7434XIH	VSC7434YIH	8/25/2013	Pb	Pb-Free	Pb-free	No Change
VSC7460XIH	VSC7460YIH	8/25/2013	Pb	Pb-Free	Pb-free	No Change

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VSC7462XIH	VSC7462YIH	8/25/2013	Pb	Pb-Free	Pb-free	No Change
VSC8240IB-01	No Change	12/8/2013	Pb	Pb-Free	Pb	No Change
VSC8240XIB-01	VSC8240YIB-01	12/8/2013	Pb	Pb-Free	Pb-free	No Change
VSC8242XHX-01	VSC8242YHX-01	9/29/2013	Pb	Pb-Free	Pb-free	No Change
VSC8247JB-01	No Change	12/29/2013	Pb	Pb-Free	Pb	No Change
VSC8247XJB-01	VSC8247YJB-01	12/29/2013	Pb	Pb-Free	Pb-free	No Change
VSC8248XJH-01	VSC8248YJH-01	9/22/2013	Pb	Pb-Free	Pb-free	No Change
VSC8484XJP	VSC8484YJP	12/29/2013	Pb	Pb-Free	Pb-free	No Change
VSC8487XJU	VSC8487YJU	9/8/2013	Pb	Pb-Free	Pb-free	No Change
VSC8487XJU-15	VSC8487YJU-15	9/8/2013	Pb	Pb-Free	Pb-free	No Change
VSC8488XJU	VSC8488YJU	9/8/2013	Pb	Pb-Free	Pb-free	No Change
VSC8488XJU-15	VSC8488YJU-15	9/8/2013	Pb	Pb-Free	Pb-free	No Change
VSC9135HM-01	No Change	11/3/2013	Pb	Pb-Free	Pb	No Change
VSC9135HM-12	No Change	11/3/2013	Pb	Pb-Free	Pb	No Change
VSC9135XHM-01	VSC9135YHM-01	11/3/2013	Pb	Pb-Free	Pb-free	No Change
VSC9135XHM-12	VSC9135YHM-12	11/3/2013	Pb	Pb-Free	Pb-free	No Change
VSC9138HM-01	No Change	11/3/2013	Pb	Pb-Free	Pb	No Change
VSC9138XHM-01	VSC9138YHM-01	11/3/2013	Pb	Pb-Free	Pb-free	No Change
VSC9191XYX	VSC9191YYX	1/19/2014	Pb	Pb-Free	Pb-free	No Change
VSC9191YX	No Change	1/19/2014	Pb	Pb-Free	Pb	No Change
VSC9295SM	No Change	1/19/2014	Pb	Pb-Free	Pb	No Change
VSC9295XSM	VSC9295YSM	9/29/2013	Pb	Pb-Free	Pb-free	No Change