

March 25, 2014

PCN Number: PCN1401

PCN Change Level: Major

Subject: PCN1401 – FPGA and SoC Product Conversion to Copper Wire (palladium coated copper wire)

Dear Microsemi Customer,

This notice is to inform you that Microsemi has successfully completed qualification of the copper bond wire on selected FPGA and SoC products, per JEDEC standard. Shipments from PCN1401 will begin per schedule, as listed in Table 1 on page 2. Refer to Addendum A for the complete part number list (click on the paper clip icon in the upper left margin of this document to view). However, mixed shipments could continue until products built with the gold wire are depleted from the inventory.

Conversion to Palladium Coated Copper wire (PCC wire) is aligned with the current industry trend. Our assembly vendors have extensive experience in the copper bond wire assembly. The copper wire is used in high volume production by our assembly vendors and has demonstrated better electrical and mechanical property than the gold wire. Products built with the copper bond wire will have no change to package Moisture Sensitivity Level (MSL), Product Functionality, Performance, Quality, Reliability, or Product Datasheet.

Products built with the copper wire have a different set of BOM, which is more suitable for the copper wire and will provide better quality and reliability. However, products built with the gold wire will remain with the same BOM as before. Request more details from Microsemi on the BOM for the copper wire if you have questions.

If you have any questions or need more information, contact Microsemi's Technical Support department by emailing soc_tech@microsemi.com.

Regards,

Microsemi Corporation

Technical support:

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Table 1 • Intended Schedule of Shipment

Device/Package	Assembly Location	Qualification Report	Date
M2S050/M2GL050 and smaller devices in FG896/FGG896; FG484/FGG484 and VF400/VFG400 packages	Amkor Korea	PA-194	July 30 th , 2014

Note: Refer to Addendum A for the complete part number list