



November 18, 2011

CN Number: 1110

Subject: Microsemi Products with Copper Wirebond Material

Dear Customer,

This notification is to advise customers that Microsemi SoC Products Group is qualifying the use of palladium coated copper wire (PCC wire) in selected products.

Microsemi SoC Products Group intends to start shipping the following products with copper wires on the following schedule:

Device andPackage	Schedule
A3P250 and smaller ProASIC [®] 3 in PQ208/PQG208	End of CY Q1, 2012
A3P250 and smaller ProASIC3 in FG256/FGG256	End of CY Q2, 2012
ProASIC3/IGLOO [®] Family in VQ100/VQG100	End of CY Q3, 2012
ProASIC3/IGLOO Family in FG144/FGG144	End of CY Q3, 2012

The qualification is in progress for PQG208 and FGG256. There is no expected change to the moisture performance of these packages.

Affected part numbers are listed in Table 1 on page 2.

A follow-up 90 day advance Product Change Notification (PCN) with complete qualification data will be sent prior to the first customer shipment.

Feel free to contact Microsemi SoC Products Group Technical Support at soc_tech@microsemi.com if you require any further information.

Regards,

Microsemi Corporation



Table 1 • Affected Part Numbers

Phase I (A3P250-PQ-PQG208)		
A3P250-PQ208	A3P250-2PQG208I	M1A3P250-1PQ208
A3P250-PQG208	A3P250L-PQ208	M1A3P250-1PQG208
A3P250-1PQ208	A3P250L-PQG208	M1A3P250-2PQ208
A3P250-1PQG208	A3P250L-1PQ208	M1A3P250-2PQG208
A3P250-2PQ208	A3P250L-1PQG208	M1A3P250-PQ208I
A3P250-2PQG208	A3P250L-PQ208I	M1A3P250-PQG208I
A3P250-PQ208I	A3P250L-PQG208I	M1A3P250-1PQ208I
A3P250-PQG208I	A3P250L-1PQ208I	M1A3P250-1PQG208I
A3P250-1PQ208I	A3P250L-1PQG208I	M1A3P250-2PQ208I
A3P250-1PQG208I	M1A3P250-PQ208	M1A3P250-2PQG208I
A3P250-2PQ208I	M1A3P250-PQG208	
Phase II (A3P250-FG-FGG256)		
A3P250-FG256	A3P250-1FG256I	A3P250L-FG256
A3P250-FGG256	A3P250-1FGG256I	A3P250L-FGG256
A3P250-1FG256	A3P250-2FG256I	A3P250L-1FG256
A3P250-1FGG256	A3P250-2FGG256I	A3P250L-1FGG256
A3P250-2FG256	A3P250-FG256T	A3P250L-FG256I
A3P250-2FGG256	A3P250-FGG256T	A3P250L-FGG256I
A3P250-FG256I	A3P250-1FG256T	A3P250L-1FG256I
A3P250-FGG256I	A3P250-1FGG256T	A3P250L-1FGG256I
Phase III (VQ-VQG100, FG-FGG144)		
A3P030-VQ100	A3PN250-Z1VQ100	AGLN125V5-VQG100
A3P030-VQG100	A3PN250-Z1VQG100	AGLN125V5-VQ100I
A3P030-1VQ100	A3PN250-Z2VQ100	AGLN125V5-VQG100I
A3P030-1VQG100	A3PN250-Z2VQG100	AGL250V2-FG144
A3P030-2VQ100	A3PN250-ZVQ100I	AGL250V2-FGG144
A3P030-2VQG100	A3PN250-ZVQG100I	AGL250V2-FG144I
A3P030-VQ100I	A3PN250-Z1VQ100I	AGL250V2-FGG144I



Table 1 • Affected Part Numbers

A3P030-VQG100I	A3PN250-Z1VQG100I	AGL250V2-FG144T
A3P030-1VQ100I	A3PN250-Z2VQ100I	AGL250V2-FGG144T
A3P030-1VQG100I	A3PN250-Z2VQG100I	AGL250V2-VQ100
A3P030-2VQ100I	A3PN250-VQ100	AGL250V2-VQG100
A3P030-2VQG100I	A3PN250-VQG100	AGL250V2-VQ100I
A3PN030-ZVQ100	A3PN250-1VQ100	AGL250V2-VQG100I
A3PN030-ZVQG100	A3PN250-1VQG100	AGL250V2-VQ100T
A3PN030-Z1VQ100	A3PN250-2VQ100	AGL250V2-VQG100T
A3PN030-Z1VQG100	A3PN250-2VQG100	AGLN250V2-ZVQ100
A3PN030-Z2VQ100	A3PN250-VQ100I	AGLN250V2-ZVQG100
A3PN030-Z2VQG100	A3PN250-VQG100I	AGLN250V2-ZVQ100I
A3PN030-ZVQ100I	A3PN250-1VQ100I	AGLN250V2-ZVQG100I
A3PN030-ZVQG100I	A3PN250-1VQG100I	AGLN250V2-VQ100
A3PN030-Z1VQ100I	A3PN250-2VQ100I	AGLN250V2-VQG100
A3PN030-Z1VQG100I	A3PN250-2VQG100I	AGLN250V2-VQ100I
A3PN030-Z2VQ100I	A3P400-FG144	AGLN250V2-VQG100I
A3PN030-Z2VQG100I	A3P400-FGG144	AGL250V5-FG144
A3P060-FG144	A3P400-1FG144	AGL250V5-FGG144
A3P060-FGG144	A3P400-1FGG144	AGL250V5-FG144I
A3P060-1FG144	A3P400-2FG144	AGL250V5-FGG144I
A3P060-1FGG144	A3P400-2FGG144	AGL250V5-VQ100
A3P060-2FG144	A3P400-FG144I	AGL250V5-VQG100
A3P060-2FGG144	A3P400-FGG144I	AGL250V5-VQ100I
A3P060-FG144I	A3P400-1FG144I	AGL250V5-VQG100I
A3P060-FGG144I	A3P400-1FGG144I	AGLN250V5-ZVQ100
A3P060-1FG144I	A3P400-2FG144I	AGLN250V5-ZVQG100
A3P060-1FGG144I	A3P400-2FGG144I	AGLN250V5-ZVQ100I
A3P060-2FG144I	A3P600-FG144	AGLN250V5-ZVQG100I
A3P060-2FGG144I	A3P600-FGG144	AGLN250V5-VQ100



Table 1 • Affected Part Numbers

A3P060-FG144T	A3P600-1FG144	AGLN250V5-VQG100
A3P060-FGG144T	A3P600-1FGG144	AGLN250V5-VQ100I
A3P060-1FG144T	A3P600-2FG144	AGLN250V5-VQG100I
A3P060-1FGG144T	A3P600-2FGG144	AGL400V2-FG144
A3P060-VQ100	A3P600-FG144I	AGL400V2-FGG144
A3P060-VQG100	A3P600-FGG144I	AGL400V2-FG144I
A3P060-1VQ100	A3P600-1FG144I	AGL400V2-FGG144I
A3P060-1VQG100	A3P600-1FGG144I	AGL400V2-FG144T
A3P060-2VQ100	A3P600-2FG144I	AGL400V2-FGG144T
A3P060-2VQG100	A3P600-2FGG144I	AGL400V5-FG144
A3P060-VQ100I	A3P1000-FG144	AGL400V5-FGG144
A3P060-VQG100I	A3P1000-FGG144	AGL400V5-FG144I
A3P060-1VQ100I	A3P1000-1FG144	AGL400V5-FGG144I
A3P060-1VQG100I	A3P1000-1FGG144	AGL600V2-FG144
A3P060-2VQ100I	A3P1000-2FG144	AGL600V2-FGG144
A3P060-2VQG100I	A3P1000-2FGG144	AGL600V2-FG144I
A3P060-VQ100T	A3P1000-FG144I	AGL600V2-FGG144I
A3P060-VQG100T	A3P1000-FGG144I	AGL600V2-FG144T
A3P060-1VQ100T	A3P1000-1FG144I	AGL600V2-FGG144T
A3P060-1VQG100T	A3P1000-1FGG144I	AGL600V5-FG144
A3PN060-ZVQ100	A3P1000-2FG144I	AGL600V5-FGG144
A3PN060-ZVQG100	A3P1000-2FGG144I	AGL600V5-FG144I
A3PN060-Z1VQ100	A3P1000-FG144T	AGL600V5-FGG144I
A3PN060-Z1VQG100	A3P1000-FGG144T	AGL1000V2-FG144
A3PN060-Z2VQ100	A3P1000-1FG144T	AGL1000V2-FGG144
A3PN060-Z2VQG100	A3P1000-1FGG144T	AGL1000V2-FG144I
A3PN060-ZVQ100I	A3P250L-FG144	AGL1000V2-FGG144I
A3PN060-ZVQG100I	A3P250L-FGG144	AGL1000V2-FG144T
A3PN060-Z1VQ100I	A3P250L-1FG144	AGL1000V2-FGG144T



Table 1 • Affected Part Numbers

A3PN060-Z1VQG100I	A3P250L-1FGG144	AGL1000V5-FG144
A3PN060-Z2VQ100I	A3P250L-FG144I	AGL1000V5-FGG144
A3PN060-Z2VQG100I	A3P250L-FGG144I	AGL1000V5-FG144I
A3PN060-VQ100	A3P250L-1FG144I	AGL1000V5-FGG144I
A3PN060-VQG100	A3P250L-1FGG144I	M7A3P1000-FG144
A3PN060-1VQ100	A3P250L-VQ100	M7A3P1000-FGG144
A3PN060-1VQG100	A3P250L-VQG100	M7A3P1000-1FG144
A3PN060-2VQ100	A3P250L-1VQ100	M7A3P1000-1FGG144
A3PN060-2VQG100	A3P250L-1VQG100	M7A3P1000-2FG144
A3PN060-VQ100I	A3P250L-VQ100I	M7A3P1000-2FGG144
A3PN060-VQG100I	A3P250L-VQG100I	M7A3P1000-FG144I
A3PN060-1VQ100I	A3P250L-1VQ100I	M7A3P1000-FGG144I
A3PN060-1VQG100I	A3P250L-1VQG100I	M7A3P1000-1FG144I
A3PN060-2VQ100I	A3P600L-FG144	M7A3P1000-1FGG144I
A3PN060-2VQG100I	A3P600L-FGG144	M7A3P1000-2FG144I
A3P125-FG144	A3P600L-1FG144	M7A3P1000-2FGG144I
A3P125-FGG144	A3P600L-1FGG144	M1A3P250-FG144
A3P125-1FG144	A3P600L-FG144I	M1A3P250-FGG144
A3P125-1FGG144	A3P600L-FGG144I	M1A3P250-1FG144
A3P125-2FG144	A3P600L-1FG144I	M1A3P250-1FGG144
A3P125-2FGG144	A3P600L-1FGG144I	M1A3P250-2FG144
A3P125-FG144I	A3P1000L-FG144	M1A3P250-2FGG144
A3P125-FGG144I	A3P1000L-FGG144	M1A3P250-FG144I
A3P125-1FG144I	A3P1000L-1FG144	M1A3P250-FGG144I
A3P125-1FGG144I	A3P1000L-1FGG144	M1A3P250-1FG144I
A3P125-2FG144I	A3P1000L-FG144I	M1A3P250-1FGG144I
A3P125-2FGG144I	A3P1000L-FGG144I	M1A3P250-2FG144I
A3P125-FG144T	A3P1000L-1FG144I	M1A3P250-2FGG144I
A3P125-FGG144T	A3P1000L-1FGG144I	M1A3P250-VQ100



Table 1 • Affected Part Numbers

A3P125-1FG144T	AGL030V2-VQ100	M1A3P250-VQG100
A3P125-1FGG144T	AGL030V2-VQG100	M1A3P250-1VQ100
A3P125-VQ100	AGL030V2-VQ100I	M1A3P250-1VQG100
A3P125-VQG100	AGL030V2-VQG100I	M1A3P250-2VQ100
A3P125-1VQ100	AGL030V2-VQ100T	M1A3P250-2VQG100
A3P125-1VQG100	AGL030V2-VQG100T	M1A3P250-VQ100I
A3P125-2VQ100	AGLN030V2-ZVQ100	M1A3P250-VQG100I
A3P125-2VQG100	AGLN030V2-ZVQG100	M1A3P250-1VQ100I
A3P125-VQ100I	AGLN030V2-ZVQ100I	M1A3P250-1VQG100I
A3P125-VQG100I	AGLN030V2-ZVQG100I	M1A3P250-2VQ100I
A3P125-1VQ100I	AGL030V5-VQ100	M1A3P250-2VQG100I
A3P125-1VQG100I	AGL030V5-VQG100	M1A3P400-FG144
A3P125-2VQ100I	AGL030V5-VQ100I	M1A3P400-FGG144
A3P125-2VQG100I	AGL030V5-VQG100I	M1A3P400-1FG144
A3P125-VQ100T	AGLN030V5-ZVQ100	M1A3P400-1FGG144
A3P125-VQG100T	AGLN030V5-ZVQG100	M1A3P400-2FG144
A3P125-1VQ100T	AGLN030V5-ZVQ100I	M1A3P400-2FGG144
A3P125-1VQG100T	AGLN030V5-ZVQG100I	M1A3P400-FG144I
A3PN125-ZVQ100	AGL060V2-VQ100	M1A3P400-FGG144I
A3PN125-ZVQG100	AGL060V2-VQG100	M1A3P400-1FG144I
A3PN125-Z1VQ100	AGL060V2-VQ100I	M1A3P400-1FGG144I
A3PN125-Z1VQG100	AGL060V2-VQG100I	M1A3P400-2FG144I
A3PN125-Z2VQ100	AGLN060V2-ZVQ100	M1A3P400-2FGG144I
A3PN125-Z2VQG100	AGLN060V2-ZVQG100	M1A3P600-FG144
A3PN125-ZVQ100I	AGLN060V2-ZVQ100I	M1A3P600-FGG144
A3PN125-ZVQG100I	AGLN060V2-ZVQG100I	M1A3P600-1FG144
A3PN125-Z1VQ100I	AGLN060V2-VQ100	M1A3P600-1FGG144
A3PN125-Z1VQG100I	AGLN060V2-VQG100	M1A3P600-2FG144
A3PN125-Z2VQ100I	AGLN060V2-VQ100I	M1A3P600-2FGG144



Table 1 • Affected Part Numbers

A3PN125-Z2VQG100I	AGLN060V2-VQG100I	M1A3P600-FG144I
A3PN125-VQ100	AGL060V5-VQ100	M1A3P600-FGG144I
A3PN125-VQG100	AGL060V5-VQG100	M1A3P600-1FG144I
A3PN125-1VQ100	AGL060V5-VQ100I	M1A3P600-1FGG144I
A3PN125-1VQG100	AGL060V5-VQG100I	M1A3P600-2FG144I
A3PN125-2VQ100	AGLN060V5-ZVQ100	M1A3P600-2FGG144I
A3PN125-2VQG100	AGLN060V5-ZVQG100	M1A3P1000-FG144
A3PN125-VQ100I	AGLN060V5-ZVQ100I	M1A3P1000-FGG144
A3PN125-VQG100I	AGLN060V5-ZVQG100I	M1A3P1000-1FG144
A3PN125-1VQ100I	AGLN060V5-VQ100	M1A3P1000-1FGG144
A3PN125-1VQG100I	AGLN060V5-VQG100	M1A3P1000-2FG144
A3PN125-2VQ100I	AGLN060V5-VQ100I	M1A3P1000-2FGG144
A3PN125-2VQG100I	AGLN060V5-VQG100I	M1A3P1000-FG144I
A3P250-FG144	AGL125V2-FG144	M1A3P1000-FGG144I
A3P250-FGG144	AGL125V2-FGG144	M1A3P1000-1FG144I
A3P250-1FG144	AGL125V2-FG144I	M1A3P1000-1FGG144I
A3P250-1FGG144	AGL125V2-FGG144I	M1A3P1000-2FG144I
A3P250-2FG144	AGL125V2-FG144T	M1A3P1000-2FGG144I
A3P250-2FGG144	AGL125V2-FGG144T	M1A3P600L-FG144
A3P250-FG144I	AGL125V2-VQ100	M1A3P600L-FGG144
A3P250-FGG144I	AGL125V2-VQG100	M1A3P600L-1FG144
A3P250-1FG144I	AGL125V2-VQ100I	M1A3P600L-1FGG144
A3P250-1FGG144I	AGL125V2-VQG100I	M1A3P600L-FG144I
A3P250-2FG144I	AGL125V2-VQ100T	M1A3P600L-FGG144I
A3P250-2FGG144I	AGL125V2-VQG100T	M1A3P600L-1FG144I
A3P250-FG144T	AGLN125V2-ZVQ100	M1A3P600L-1FGG144I
A3P250-FGG144T	AGLN125V2-ZVQG100	M1A3P1000L-FG144
A3P250-1FG144T	AGLN125V2-ZVQ100I	M1A3P1000L-FGG144
A3P250-1FGG144T	AGLN125V2-ZVQG100I	M1A3P1000L-1FG144



Table 1 • Affected Part Numbers

A3P250-VQ100	AGLN125V2-VQ100	M1A3P1000L-1FGG144
A3P250-VQG100	AGLN125V2-VQG100	M1A3P1000L-FG144I
A3P250-1VQ100	AGLN125V2-VQ100I	M1A3P1000L-FGG144I
A3P250-1VQG100	AGLN125V2-VQG100I	M1A3P1000L-1FG144I
A3P250-2VQ100	AGL125V5-FG144	M1A3P1000L-1FGG144I
A3P250-2VQG100	AGL125V5-FGG144	A3P250-VQ100M
A3P250-VQ100I	AGL125V5-FG144I	A3P250-VQG100M
A3P250-VQG100I	AGL125V5-FGG144I	A3P250-1VQ100M
A3P250-1VQ100I	AGL125V5-VQ100	A3P250-1VQG100M
A3P250-1VQG100I	AGL125V5-VQG100	A3P1000-FG144M
A3P250-2VQ100I	AGL125V5-VQ100I	A3P1000-FGG144M
A3P250-2VQG100I	AGL125V5-VQG100I	A3P1000-1FG144M
A3P250-VQ100T	AGLN125V5-ZVQ100	A3P1000-1FGG144M
A3P250-VQG100T	AGLN125V5-ZVQG100	M1A3P1000-FG144M
A3P250-1VQ100T	AGLN125V5-ZVQ100I	M1A3P1000-FGG144M
A3P250-1VQG100T	AGLN125V5-ZVQG100I	M1A3P1000-1FG144M
A3PN250-ZVQ100	AGLN125V5-VQ100	M1A3P1000-1FGG144M
A3PN250-ZVQG100		