



Title of Change:	Clarification on Cu wire with Palladium doped used on SOD123 Cu wire devices at ON Semiconductor, Leshan, China site.			
Effective date:	9 November 2017			
Contact information:	Contact your local ON Semiconductor Sales Office or <Jim.Peng@onsemi.com>			
Type of notification:	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.			
Change category:	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other <u>clarification on wire info</u>			
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input checked="" type="checkbox"/> Other: <u>clarification on wire info</u>			
Sites Affected:	ON Semiconductor Sites: ON Leshan, China		External Foundry/Subcon Sites: None	
Description and Purpose:				
<p>The product bulletin announces to customers that Cu wire used in SOD123 is Cu wire with Palladium (Pd) doped at ON Semiconductor Leshan, China.</p> <p>The qual lots used Cu wire with Pd doped on Cu wire Qual vehicle in previous FPCN20425. Reliability qualification and full electrical characterization over temperature had been performed to ensure device functionality and electrical specifications were met. All samples provided for customer evaluation used Cu wire with Pd doped for Cu wire products in FPCN20425 impacted list.</p> <p>All Cu wire devices use Cu wire with Pd-doped after FPCN20425 implementation.</p>				
List of Affected Parts:				
BAT54T1G	MMSZ39T1G	MMSZ4702T1G	MMSZ5235BT3G	MMSZ5256BT1G
MBR0520LT1G	MMSZ3V0T1G	MMSZ4703T1G	MMSZ5235ET1G	MMSZ5256CT1G
MBR0520LT1H	MMSZ3V3T1G	MMSZ4704T1G	MMSZ5236BT1G	MMSZ5256ET1G
MBR0520LT3G	MMSZ3V6T1G	MMSZ4705T1G	MMSZ5237BT1G	MMSZ5257BT1G
MBR0530T1G	MMSZ3V9T1G	MMSZ4706T1G	MMSZ5237ET1G	MMSZ5257ET1G
MBR0530T1H	MMSZ43T1G	MMSZ4707T1G	MMSZ5238BT1G	MMSZ5258BT1G
MBR0530T3G	MMSZ4678T1G	MMSZ4708T1G	MMSZ5239BT1G	MMSZ5258BT3G
MBR0540T1G	MMSZ4679T1G	MMSZ4709T1G	MMSZ5240BT1G	MMSZ5258CT1G
MBR0540T1H	MMSZ4680ET1G	MMSZ4710T1G	MMSZ5240BT3G	MMSZ5258ET1G
MBR0540T3G	MMSZ4680T1G	MMSZ4711T1G	MMSZ5241BT1G	MMSZ5259BT1G
MBR130T1G	MMSZ4681T1G	MMSZ4713T1G	MMSZ5242BT1G	MMSZ5260BT1G
MBR130T1H	MMSZ4682T1G	MMSZ4714T1G	MMSZ5242BT3G	MMSZ5261BT1G
MBR130T3G	MMSZ4683T1G	MMSZ4715T1G	MMSZ5242ET1G	MMSZ5262BT1G
MMSD103T1G	MMSZ4684T1G	MMSZ4717T1G	MMSZ5243BT1G	MMSZ5263BT1G
MMSD301T1G	MMSZ4684T3G	MMSZ47T1G	MMSZ5244BT1G	MMSZ5264BT1G
MMSD4148T1G	MMSZ4685T1G	MMSZ47T3G	MMSZ5244ET1G	MMSZ5265BT1G
MMSD4148T3G	MMSZ4686T1G	MMSZ4V3T1G	MMSZ5245BT1G	MMSZ5266BT1G



MMSD701T1G	MMSZ4687T1G	MMSZ4V7T1G	MMSZ5245CT1G	MMSZ5267BT1G
MMSZ10T1G	MMSZ4688T1G	MMSZ51T1G	MMSZ5245ET1G	MMSZ5268BT1G
MMSZ11T1G	MMSZ4688T3G	MMSZ5221BT1G	MMSZ5246BT1G	MMSZ5270BT1G
MMSZ12T1G	MMSZ4689ET1G	MMSZ5222BT1G	MMSZ5246ET1G	MMSZ5272BT3G
MMSZ13T1G	MMSZ4689T1G	MMSZ5223BT1G	MMSZ5247BT1G	MMSZ56T1G
MMSZ15T1G	MMSZ4689T3G	MMSZ5225BT1G	MMSZ5247BT3G	MMSZ5V1T1G
MMSZ16T1G	MMSZ4690T1G	MMSZ5226BT1G	MMSZ5248BT1G	MMSZ5V6T1G
MMSZ18ET1G	MMSZ4690T3G	MMSZ5226CT1G	MMSZ5248BT3G	MMSZ5V6T3G
MMSZ18T1G	MMSZ4691T1G	MMSZ5227BT1G	MMSZ5248CT1G	MMSZ6V2T1G
MMSZ18T1H	MMSZ4692T1G	MMSZ5228BT1G	MMSZ5249BT1G	MMSZ6V8T1G
MMSZ18T3G	MMSZ4693T1G	MMSZ5229BT1G	MMSZ5250BT1G	MMSZ7V5T1G
MMSZ20T1G	MMSZ4693T3G	MMSZ5230BT1G	MMSZ5250CT1G	MMSZ8V2ET1G
MMSZ22T1G	MMSZ4694T1G	MMSZ5231BT1G	MMSZ5251BT1G	MMSZ8V2T1G
MMSZ24T1G	MMSZ4694T3G	MMSZ5231BT3G	MMSZ5252BT1G	MMSZ9V1T1G
MMSZ27T1G	MMSZ4696T1G	MMSZ5231CT1G	MMSZ5252CT1G	
MMSZ27T3G	MMSZ4697T1G	MMSZ5232BT1G	MMSZ5252ET1G	
MMSZ2V4T1G	MMSZ4698T1G	MMSZ5232CT1G	MMSZ5253BT1G	
MMSZ2V7T1G	MMSZ4699T1G	MMSZ5233BT1G	MMSZ5254BT1G	
MMSZ30T1G	MMSZ4700T1G	MMSZ5234BT1G	MMSZ5254ET1G	
MMSZ33T1G	MMSZ4701ET1G	MMSZ5235BT1G	MMSZ5255BT1G	
MMSZ36T1G	MMSZ4701T1G	MMSZ5235BT1H	MMSZ5255ET1G	



Appendix A: Changed Products

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Product	Customer Part Number
BAT54T1G	
MBR0520LT1G	
MBR0520LT3G	
MBR0530T1G	
MBR0530T3G	
MBR0540T1G	
MBR0540T3G	
MBR130T1G	
MBR130T3G	
MMSD103T1G	
MMSD301T1G	
MMSD4148T1G	
MMSD4148T3G	
MMSD701T1G	
MMSZ10T1G	
MMSZ11T1G	
MMSZ12T1G	
MMSZ13T1G	
MMSZ15T1G	
MMSZ16T1G	
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MMSZ20T1G	
MMSZ22T1G	
MMSZ24T1G	
MMSZ27T1G	
MMSZ27T3G	
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MMSZ2V7T1G	
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MMSZ4678T1G	
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