



Title of Change:	Micro8 Assembly and Test Site Transfer.																			
Proposed first ship date:	26 September 2018																			
Contact information:	Contact your local ON Semiconductor Sales Office or < logic.fpcn22188x@onsemi.com >																			
Samples:	Contact your local ON Semiconductor Sales Office or < PCN.samples@onsemi.com > Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change.																			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or < Phine.Guevarra@onsemi.com >																			
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact < PCN.Support@onsemi.com >																			
Change Part Identification:	Products with date code "U" or greater will have material listed in the table under "(new flow)".																			
Change Category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____																			
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Addition <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input checked="" type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input checked="" type="checkbox"/> Shipping/Packaging/Marking <input checked="" type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____																			
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia	External Foundry/Subcon Sites: Subcon Thailand																		
Description and Purpose:																				
Qualify new assembly and test site to increase the back end capacity.																				
	<table border="1"> <thead> <tr> <th>Material to be changed</th> <th>Before change (existing flow)</th> <th>After 90 day notification (new flow)</th> </tr> </thead> <tbody> <tr> <td>Assy Site</td> <td>ON Malaysia</td> <td>Subcon Thailand</td> </tr> <tr> <td>Mold Compound</td> <td>G600FB/G700LS</td> <td>G600</td> </tr> <tr> <td>Lead Frame</td> <td>Ag Plated LF</td> <td>PPF LF</td> </tr> <tr> <td>Die Attach</td> <td>Epoxy CRM1084P</td> <td>Epoxy QMI519</td> </tr> <tr> <td>Plating</td> <td>100% Tin</td> <td>Pre plated</td> </tr> </tbody> </table>		Material to be changed	Before change (existing flow)	After 90 day notification (new flow)	Assy Site	ON Malaysia	Subcon Thailand	Mold Compound	G600FB/G700LS	G600	Lead Frame	Ag Plated LF	PPF LF	Die Attach	Epoxy CRM1084P	Epoxy QMI519	Plating	100% Tin	Pre plated
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**Reliability Data Summary:****QV DEVICE NAME:** 7WB3125DMR2G**RMS:** S43460, S48165**PACKAGE:** Micro 8

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C	504hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	1008hrs	0/240
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C		0/720
RSH	JESD22- B106	Ta = 265C, 10 sec		0/70
SD	JSTD002	Ta = 245C, 10 sec		0/ 45

QV DEVICE NAME: PCA9511ADMR2G**RMS:** S43455, S48165**PACKAGE:** Micro 8

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C	504hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	1008hrs	0/240
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/238
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C		0/720
SD	JSTD002	Ta = 245C, 10 sec		0/ 45
RSH	JESD22- B106	Ta = 265C, 10 sec		0/70

Electrical Characteristic Summary:

Electrical characteristics Available upon request.



List of Affected Parts:

Part Number	Qualification Vehicle
7WB3125DMR2G	7WB3125DMR2G
7WB3126DMR2G	
7WB3305DMR2G	
7WB3306DMR2G	
7WB383DMR2G	
7WBD3125DMR2G	
7WBD3126DMR2G	
7WBD3305DMR2G	
7WBD3306DMR2G	
7WBD383DMR2G	
PCA9511ADMR2G	PCA9511ADMR2G
PCA9517ADMR2G	
PCA9517BDMR2G	
PCA9617ADMR2G	



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle
PCA9517ADMR2G		PCA9511ADMR2G
PCA9617ADMR2G		PCA9511ADMR2G