





	From	To																																				
Product marking change	Line1:64 Line2:01 Line3:M  Where: M single digit month code	Line1:64 Line2:01 Line3:MI  Where: M single digit month code + vertical line corresponding site code																																				
Reason / Motivation for Change:	- Second sourcing for DFN 12 3*1.35 mm which includes automotive SNUF6401MNT1G.																																					
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by ON Semiconductor in relation to the PCN, associated risks are verified and excluded.  No anticipated impacts.																																					
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia ON Tarlac City, Philippines	External Foundry/Subcon Sites: None																																				
Marking of Parts/ Traceability of Change:	Additional vertical line on month date code (MI) for OSPI Tarlac bui																																					
<b>Reliability Data Summary:</b>  QV DEVICE NAME: SNUF6401MNT1G PACKAGE: DFN12 3.0x1.35, 0.5P																																						
	<table border="1"> <thead> <tr> <th>Test</th> <th>Specification</th> <th>Condition</th> <th>Interval</th> </tr> </thead> <tbody> <tr> <td>HTRB</td> <td>JESD22-A108</td> <td>Tj = Max rate Tj for device, bias = 100% of rated V ( for automotive)</td> <td>2016 hrs</td> </tr> <tr> <td>HTSL</td> <td>JESD22-A103</td> <td>Ta =Max rate storage temp for device for 1008 hrs</td> <td>1008 hrs</td> </tr> <tr> <td>IOL</td> <td>MIL-STD-750 (M1037) AEC-Q101</td> <td>Ta=+25°C, deltaTj=100°C max, Ton=Toff is pkg dependent</td> <td>15000 cyc</td> </tr> <tr> <td>TC</td> <td>JESD22-A104</td> <td>Temp = -55°C to +150°C; for 1000 cycles</td> <td>2000 cyc</td> </tr> <tr> <td>HAST</td> <td>JESD22-A110</td> <td>Temp = 130C, 85% RH, ~ 18.8 psig, bias = 80% of rated V or 100V max</td> <td>96 hrs</td> </tr> <tr> <td>uHAST</td> <td>JESD22-A118</td> <td>Temp = 130C, RH=85%, ~ 18.8 psig</td> <td>96 hrs</td> </tr> <tr> <td>PC</td> <td>J-STD-020 JESD-A113</td> <td>IR reflow at 245C or 260C (pkg dependant)</td> <td></td> </tr> <tr> <td>RSH</td> <td>JESD22- B106</td> <td>Ta=265C 10 sec dwell B106</td> <td></td> </tr> </tbody> </table>	Test	Specification	Condition	Interval	HTRB	JESD22-A108	Tj = Max rate Tj for device, bias = 100% of rated V ( for automotive)	2016 hrs	HTSL	JESD22-A103	Ta =Max rate storage temp for device for 1008 hrs	1008 hrs	IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton=Toff is pkg dependent	15000 cyc	TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	2000 cyc	HAST	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 80% of rated V or 100V max	96 hrs	uHAST	JESD22-A118	Temp = 130C, RH=85%, ~ 18.8 psig	96 hrs	PC	J-STD-020 JESD-A113	IR reflow at 245C or 260C (pkg dependant)		RSH	JESD22- B106	Ta=265C 10 sec dwell B106		
Test	Specification	Condition	Interval																																			
HTRB	JESD22-A108	Tj = Max rate Tj for device, bias = 100% of rated V ( for automotive)	2016 hrs																																			
HTSL	JESD22-A103	Ta =Max rate storage temp for device for 1008 hrs	1008 hrs																																			
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, deltaTj=100°C max, Ton=Toff is pkg dependent	15000 cyc																																			
TC	JESD22-A104	Temp = -55°C to +150°C; for 1000 cycles	2000 cyc																																			
HAST	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 80% of rated V or 100V max	96 hrs																																			
uHAST	JESD22-A118	Temp = 130C, RH=85%, ~ 18.8 psig	96 hrs																																			
PC	J-STD-020 JESD-A113	IR reflow at 245C or 260C (pkg dependant)																																				
RSH	JESD22- B106	Ta=265C 10 sec dwell B106																																				
<b>Electrical Characteristic Summary:</b>  Available upon request																																						
<b>List of Affected Parts:</b> <table border="1"> <thead> <tr> <th>Current Part Number</th> <th>New Part Number</th> <th>Qualification Vehicle</th> </tr> </thead> <tbody> <tr> <td>SNUF6401MNT1G</td> <td>SNUF6401MNT1G</td> <td>SNUF6401MNT1G</td> </tr> </tbody> </table>			Current Part Number	New Part Number	Qualification Vehicle	SNUF6401MNT1G	SNUF6401MNT1G	SNUF6401MNT1G																														
Current Part Number	New Part Number	Qualification Vehicle																																				
SNUF6401MNT1G	SNUF6401MNT1G	SNUF6401MNT1G																																				