



Reason / Motivation for Change:		Process/Materials Change		
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		External Foundry/Subcon Sites		
Leshan Phoenix Semiconductor, China		None		
Marking of Parts/ Traceability of Change:		Assembly Date Code		
Reliability Data Summary:				
Qual Vehicle Device: SZMMBZ27VAWT1G RMS: 45534 Package: SC-70				
Test	Specification	Condition	Interval	Results
PC	JESD22-A113	MSL 1 @ 260 °C	Before TC, UHAST, HAST, IOL	0/231
UHAST	JESD22 A118	Ta=130C, 85% RH, no bias, 96 hrs	96 hrs	0/231
TC	JESD22-A104	Ta= - 65°C to +150°C	2000 cyc	0/231
HAST	JESD22 A110	130C/85%RH, 80% rated V or 42V max, 192 hours.	192 hrs	0/231
IOL	MIL-STD-750 (M1037)	Ta=+25°C, delta Tj=100°C, On/off = 2 min	30000 cyc	0/231
HTRB	MIL-STD750-1	Tj= max, V=100% rated V, 1008 Hrs	1008 hrs	0/231
HTSL	JESD22- A103	Temp.=150°C,no bias,2016hours	2016 hrs	0/231
RSH	JESD22- B106	Ta = 265C, 10 sec	-	0/30
Qual Vehicle Device: SESD9L3.3ST5G RMS: 42697 Package: SOD-923				
Test	Specification	Condition	Interval	Results
PC	JESD22-A113	MSL 1 @ 260 °C	Before TC, UHAST, HAST, IOL	0/231
UHAST	JESD22 A118	Ta=130C, 85% RH, no bias, 96 hrs	96 hrs	0/231
TC	JESD22-A104	Ta= - 65°C to +150°C	2000 cyc	0/231
HAST	JESD22 A110	130C/85%RH, 80% rated V or 42V max, 192 hours.	192 hrs	0/231
IOL	MIL-STD-750 (M1037)	Ta=+25°C, delta Tj=100°C, On/off = 2 min	30000 cyc	0/231
HTRB	MIL-STD750-1	Tj= max, V=100% rated V, 1008 Hrs	1008 hrs	0/231
HTSL	JESD22- A103	Temp.=150°C,no bias,2016hours	2016 hrs	0/231
RSH	JESD22- B106	Ta = 265C, 10 sec	-	0/30



NOTE: AEC 1 Pager attached

To view attachments:

1. Download pdf copy of the PCN to your computer
2. Open the downloaded pdf copy of the PCN
3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field
4. Then click on the attached file/s

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Current Part Number	New Part Number	Qualification Vehicle
SZMMBZ27VAWT1G	NA	SZMMBZ27VAWT1G
SZNZ9F6V8ST5G	NA	SESD9L3.3ST5G



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
SZMMBZ27VAWT1G		SZMMBZ27VAWT1G	NA	