



Initial Product/Process Change Notification

Document #: IPCN25374X

Issue Date: 11 Oct 2023

Qualification Plan:

QV DEVICE NAME: NCV51561

RMS: 90767

PACKAGE: SOIC16 WB

Test	Specification	Condition	Interval
High Temperature Operating Life	JESD22-A108	Ta=125°C, Vcc = 1.2 x nominal	1008 hrs
Early Life Failure Rate	AECQ100-008	Ta=125°C, Vcc = 1.2 x nominal	48 hrs
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C	-
Temperature Cycling	JESD22-A104	Ta= -55°C to +125°C	1000 cyc
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
Power Temperature Cycling	JESD22-A105	Ta= -40°C to +125°C	1000 cyc

Estimated date for qualification completion: 7 May 2024

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**](#).

Part Number	Qualification Vehicle
NCP51563CADWR2G	NCV51561BBDWR2G
NCP51563BBDWR2G	NCV51561BBDWR2G
NCP51561DBDWR2G	NCV51561BBDWR2G
NCP51561DADWR2G	NCV51561BBDWR2G
NCP51561BBDWR2G	NCV51561BBDWR2G
NCP51561BADWR2G	NCV51561BBDWR2G
NCP51560BBDWR2G	NCV51561BBDWR2G
NCP51560ABDWR2G	NCV51561BBDWR2G

Appendix A: Changed Products

PCN#: IPCN25374X
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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP51561DBDWR2G		NCV51561BBDWR2G		
NCP51561BBDWR2G		NCV51561BBDWR2G		
NCP51561BADWR2G		NCV51561BBDWR2G		
NCP51560BBDWR2G		NCV51561BBDWR2G		
NCP51560ABDWR2G		NCV51561BBDWR2G		
NCP51561DADWR2G		NCV51561BBDWR2G		