



Initial Product/Process Change Notification

Document #: IPCN25839X

Issue Date: 13 Dec 2023

Qualification Plan:

QV DEVICE NAME: NCV57302DSADJR4G

RMS: S91762, S93928, S93929

PACKAGE: D2PAK 5LD EG

Test	Specification	Condition	Interval
High Temperature Operating Life	JESD22-A108	Ta=104°C, 100 % max rated Vcc	1008 hrs
Early Life Failure Rate	JESD22-A108	Ta=104°C, 100 % max rated Vcc	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= -65°C to +150°C, mounted form air to air	500 cyc
Power Temperature Cycling	JESD22 A105	Tj= -40°C to +125°C, bias	1000 cyc
Highly Accelerated Stress Test	JESD22-A110	110°C, 85% RH, 18.8psig, bias	528 hrs
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec	
Solderability	JSTD002	Ta = 245°C, 5 sec	
Physical Dimensions	JESD22-B120		

Estimated date for qualification completion: 1 March 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
NCP59302DSADJR4G	NCV57302DSADJR4G
NCP59152DSADJR4G	NCV57302DSADJR4G
NCP57152DSADJR4G	NCV57302DSADJR4G
NCP5663DSADJR4G	NCV57302DSADJR4G
LM2931ACD2TR4G	NCV57302DSADJR4G