

**Reliability Data Summary:**

Qualification based on NIS5132MN1TXG – DFN10 3 x 3 x .9mm package

Test	Name	Test Conditions	End Point Req's	Test Results	(rej/ ss)	(rej/ ss)	(rej/ ss)
				Read Point	Lot A	Lot B	Lot C
HTSL	High Temp Storage Life	TA = 150°C for 1008 hours	c = 0, Room	Initial	0/84	0/84	0/84
				504 Hrs	0/84	0/84	0/84
				1008 Hrs	0/84	0/84	0/84
PC	MSL 1 Preconditioning	IR @ 260 °C	c = 0, Room		0/259	0/259	0/259
HTOL	High Temp Operating Life	Ta=125°C, 80% rated or 100V max	c = 0, Room	Initial	0/80	0/80	0/80
				504 Hrs	0/80	0/80	0/80
				1008 Hrs	0/80	0/80	0/80
TC-PC	Temperature Cycling + PC	Ta= -65 °C to 150 °C , air to air	c = 0, Room	Post PC Electrical	0/91	0/91	0/91
				500 Cyc	0/91	0/91	0/91
				1000 Cyc	0/84	0/84	0/84
AC-PC	Autoclave + PC	121°C/100% RH/15psig	c = 0, Room	Post PC Electrical	0/84	0/84	0/84
				96 Hrs	0/84	0/84	0/84
HAST – PC	Highly Accelerated Stress Test	Temp= +131°C, RH=85% , p = 18.8 psig, bias	c = 0, Room	Post PC Electrical	0/84	0/84	0/84
				96 Hrs	0/84	0/84	0/84
SAT	Scanning Acoustic Analysis	Compare for Delamination pre and post preconditioning	Compare to existing data	S141215-010	Pass	Pass	Pass
DPA	Destructive Physical Analysis	Following HAST + PC	Compare to AEC Criteria	S150107-006	Pass	Pass	Pass
				S150109-020			
BPS	Bond Pull Strength	Condition C following TC+PC	Min Cpk 1.33	S150112-050	Pass	Pass	Pass
SD	Solderability	Per 12MSB17722C	Min Cpk 1.33		0/15	0/15	0/15

Electrical Characteristic Summary:

There is no change to any part numbers electrical performance.

**Part Numbers affected**

ADP3110AKCPZ-RL	NB7L14MMNG	NCP382HMN10AATXG
ADP3120AJCPZ-RL	NB7L14MMNR2G	NCP382HMN15AATXG
LV8716QA-MH	NB7L14MN1G	NCP382HMN20AATXG
MC100EL07MNR4G	NB7L14MN1TXG	NCP382LMN15AATXG
MC100EL1648MNR4G	NB7L14MNG	NCP382LMN20AATXG
MC100EL32MNR4G	NB7L14MNHTBG	NCP45520IMNTWG-H
MC100EL35MNR4G	NB7L14MNTXG	NCP45520IMNTWG-L
MC100EL58MNR4G	NB7L216MNG	NCP45521IMNTWG-H
MC100ELT24MNR4G	NB7L216MNR2G	NCP45521IMNTWG-L
MC100ELT25MNR4G	NB7L32MMNG	NCP45522IMNTWG-L
MC100EP01MNR4G	NB7L32MMNR2G	NCP45524IMNTWG-H
MC100EP05MNR4G	NB7L72MMNG	NCP45524IMNTWG-L
MC100EP11MNR4G	NB7L72MMNHTBG	NCP45525IMNTWG-H
MC100EP11MNTAG	NB7L72MMNTXG	NCP45525IMNTWG-L
MC100EP16MNR4G	NB7L86MMNG	NCP45540IMNTWG-H
MC100EP16TMNR4G	NB7L86MMNR2G	NCP45540IMNTWG-L
MC100EP16VAMNR4G	NB7V32MMNG	NCP45541IMNTWG-H
MC100EP16VCMNR4G	NB7V32MMNHTBG	NCP45541IMNTWG-L
MC100EP16VTMNR4G	NB7V32MMNTXG	NCP45560IMNTWG-H
MC100EP31MNR4G	NB7V33MMNG	NCP45560IMNTWG-L
MC100EP32MNR4G	NB7V33MMNHTBG	NCP4894MNR2G
MC100EP33MNR4G	NB7V33MMNTXG	NCP500SQL18T1G
MC100EP35MNR4G	NB7V52MMNG	NCP500SQL25T1G
MC100EP51MNR4G	NB7V52MMNHTBG	NCP500SQL27T1G
MC100EP52MNR4G	NB7V52MMNTXG	NCP500SQL28T1G
MC100EPT20MNR4G	NB7V58MMNG	NCP500SQL30T1G
MC100EPT21MNR4G	NB7V58MMNHTBG	NCP500SQL33T1G
MC100EPT22MNR4G	NB7V58MMNTXG	NCP500SQL50T1G
MC100EPT23MNR4G	NB7V72MMNG	NCP51145MNTAG
MC100EPT24MNR4G	NB7V72MMNHTBG	NCP51190MNTAG
MC100EPT25MNR4G	NB7V72MMNTXG	NCP51200MNTXG
MC100EPT26MNR4G	NB7VPQ16MMNG	NCP51510MNTAG
MC100LVEL11MNR4G	NB7VPQ16MMNHTBG	NCP5252MNTXG
MC100LVEL12MNR4G	NB7VPQ16MMNTXG	NCP5351MNR2G
MC100LVEL16MNR4G	NB7VQ14MMNG	NCP5603MNR2G
MC100LVEL32MNR4G	NB7VQ14MMNHTBG	NCP571MN08TBG
MC100LVEL33MNR4G	NB7VQ14MMNTXG	NCP571MN09TBG
MC100LVEL51MNR4G	NB7VQ58MMNG	NCP571MN10TBG
MC100LVELT22MNRG	NB7VQ58MMNHTBG	NCP571MN12TBG
MC100LVELT23MNRG	NB7VQ58MMNTXG	NCP59748MN1ADJTBG
MC100LVEP05MNTXG	NBSG11MNG	NCP600MN130R2G
MC100LVEP11MNR4G	NBSG11MNHTBG	NCP623MN-25R2G
MC100LVEP16MNR4G	NBSG11MNR2G	NCP623MN-28R2G



MC10EP01MNR4G	NBSG14MNG	NCP623MN-30R2G
MC10EP16TMNR4G	NBSG14MNHTBG	NCP623MN-33R2G
MC10EP16VAMNR4G	NBSG14MNR2G	NCP623MN-40R2G
MC10EP31MNR4G	NBSG16MMNG	NCP623MN-50R2G
MC10EP32MNR4G	NBSG16MMNR2G	NCP690MN15T2G
MC10EP33MNR4G	NBSG16MNG	NCP690MN18T2G
MC10EP51MNR4G	NBSG16MNHTBG	NCP690MN25T2G
MC10EP51MNTAG	NBSG16MNR2G	NCP690MN33T2G
MC10EP52MNR4G	NBSG16VSMNG	NCP690MN50T2G
MC10EP89MNR4G	NBSG16VSMNHTBG	NCP690MNADJT2G
MC10EPT20MNR4G	NBSG16VSMNR2G	NCP691MN15T2G
MC12093MNR4G	NBSG53AMNG	NCP691MN18T2G
NB3L14SMNG	NBSG53AMNHTBG	NCP691MN25T2G
NB3L14SMNTXG	NBSG53AMNR2G	NCP691MN33T2G
NB3L553MNR4G	NBSG72AMNG	NCP691MN50T2G
NB3N2304NZMNR4G	NBSG72AMNR2G	NCP691MNADJT2G
NB3N551MNR4G	NBSG86AMNG	NCP692MN15T2G
NB4L16MMNG	NBSG86AMNHTBG	NCP692MN18T2G
NB4L16MMNR2G	NBSG86AMNR2G	NCP692MN25T2G
NB4L52MNG	NCL30161MNTXG	NCP692MN33T2G
NB4L52MNR2G	NCP1422MNR2G	NCP692MN50T2G
NB4N527SMNG	NCP1589AMNTWG	NCP692MNADJT2G
NB4N527SMNR2G	NCP1589AMNTXG	NCP81042MNTXG
NB6HQ14MMNG	NCP1589BMNTWG	NCP81046MNTXG
NB6HQ14MMNHTBG	NCP1589BMNTXG	NCS2200SQLT1G
NB6HQ14MMNTXG	NCP1589CMNTWG	NCS2210MNTXG
NB6L11MMNG	NCP1589DMNTWG	NCS2211MNTXG
NB6L11MMNR2G	NCP1589LMNTWG	NCT72CMNR2G
NB6L11SMNG	NCP1593AMNTWG	NCT72DMNR2G
NB6L11SMNR2G	NCP1593BMNTWG	NCT75MNR2G
NB6L14MMNG	NCP1595CMNTWG	NLAS3699BMN1R2G
NB6L14MMNR2G	NCP1597BMNTWG	NLAS3699MN1R2G
NB6L14MNG	NCP1835MN24R2	NLAS3899BMNTWG
NB6L14MNR2G	NCP1835MN24R2G	NLAS3899BMNTXG
NB6L14SMNG	NCP3335AMN150R2G	NLAS44599MNG
NB6L14SMNTWG	NCP3335AMN180R2G	NLAS44599MNR2G
NB6L14SMNTXG	NCP3335AMN250R2G	NLAS4684MNR2G
NB6L239MNG	NCP3335AMN280R2G	NLAS4783BMN1R2G
NB6L239MNR2G	NCP3335AMN285R2G	NLAS4783MN1R2G
NB6L611MNG	NCP3335AMN300R2G	NLAST44599MNG
NB6L611MNR2G	NCP3335AMN330R2G	NLAST44599MNR2G
NB6L72MMNG	NCP3335AMN500R2G	NLSF1174MNR2G
NB6L72MMNR2G	NCP3335AMNADJR2G	NLSF302MNR2G
NB6L72MNG	NCP3337MN180R2G	NLSF308MNR2G
NB6L72MNR2G	NCP3337MN250R2G	NLSF3T125MNR2G



NB6N11SMNG	NCP3337MN330R2G	NLSF3T126MNR2G
NB6N11SMNR2G	NCP3337MN500R2G	NLSF595MNR2G
NB6N14SMNG	NCP3337MNADJR2G	NTLGD3502NT2G
NB6N14SMNR2G	NCP367DPMUEBTBG	NUF2114MNT1G
NB6N239SMNG	NCP367DPMUECTBG	NUF4211MNT1G
NB6N239SMNR2G	NCP367DPMUEETBG	NUF4220MNT1G
NB7HQ14MMNG	NCP367DPMUELTBG	NUF4401MNT1G
NB7HQ14MMNHTBG	NCP367OPMUEATBG	P1P40167MNTWG
NB7HQ14MMNTXG	NCP367OPMUECTBG	PCA9534E3MNTWG
NB7L11MMNG	NCP367OPMUEOTBG	
NB7L11MMNR2G	NCP382HMN05AATXG	