



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION

Generic Copy

02 Feb 2010

SUBJECT: ON Semiconductor Initial Product/Process Change Notification #16391

TITLE: Wafer Capacity Expansion for High Cell Density (HD3e) and Trench (T1 & T2) MOSFETs

PROPOSED FIRST SHIP DATE: 02 Jun 2010

AFFECTED CHANGE CATEGORY: Wafer Fabrication

AFFECTED PRODUCT DIVISION: PowerFET Business Unit

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Brian Goodburn <brian.goodburn@onsemi.com>

NOTIFICATION TYPE:

Initial Product/Process Change Notification (IPCN)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change.

DESCRIPTION AND PURPOSE:

This is an Initial Process Change Notification.

ON Semiconductor is adding wafer fabrication capacity for their High Cell Density (HD3e) and Trench (T1 & T2) MOSFET technology silicon platforms. This will be accomplished by qualifying United Microelectronics Corp (UMC), a wafer fabrication facility located in Taiwan. By the middle of 2010, Wafer starts of both Trench and HD3e Silicon technologies will begin at UMC.

**Initial Product/Process Change Notification #16391****QUALIFICATION PLAN:**

Full Qualification: NTB5411NT4G, NTD25P03LT4G, NTMS3P03R3G, NTF5P03T3G, NTR4501NT1G, NTHS4166NT1G, NTGS5120PT1G, NTVS3141PT1G, NTD4804NT4G, NTMFS4833NT1G

Test: High Temperature Reverse Bias (HTRB)

Conditions: Ta=175°C, Vds= 80% BVdss Rating, Duration : 1008-Hrs, 3-Lots

Test: High Temperature Gate Bias (HTGB)

Conditions: Ta=175°C, Vds= 100% Vgs Rating, Duration : 1008-Hrs, 3-Lots

Test: High Temperature Reverse Bias (HTRB)

Conditions: Ta=150°C, Vds= 80% BVdss Rating, Duration : 1008-Hrs, 3-Lots

Test: High Temperature Gate Bias (HTGB)

Conditions: Ta=150°C, Vds= 100% Vgs Rating, Duration : 1008-Hrs, 3-Lots

Test: Intermittent Operating Life (IOL-PC)

Conditions: Ta=25°C, delta Tj=100°C, 2-min on/off, 15K- cy, 2-Lots

Test: Temperature Cycling (TC-PC)

Conditions: Ta=-65°C/150°C, Air-to-Air, Dwell >=10-min, 500-cy, 3-Lots

Test: Autoclave Test (AC-PC)

Conditions: Ta=121°C, P=15psi, RH=100%, Duration: 96-Hrs, 3-Lots

Test: Highly Accelerated Stress Test (HAST)

Conditions: Ta=130°C, RH=85%, Duration: 96-Hrs, 3-Lots

Partial Qualifications: NTB6411NT4G, NTD110N02RT4G, NTJS4401NT1G, NTLJS3113PT1G, NTR4170NT1G, NTLJD4116NT1G, NTGS1135PT1G, 2N7002KT1G, NTA4151PT1G, NTUD3170NZT5G, NTR4170NT1G, NTD4854NT4G, NTD4863NT4G

Test: High Temperature Reverse Bias (HTRB)

Conditions: Ta=175°C, Vds= 80% BVdss Rating, Duration : 1008-Hrs, 3-Lots

Test: High Temperature Gate Bias (HTGB)

Conditions: Ta=175°C, Vds= 100% Vgs Rating, Duration : 1008-Hrs, 3-Lots

Test: High Temperature Reverse Bias (HTRB)

Conditions: Ta=150°C, Vds= 80% BVdss Rating, Duration : 1008-Hrs, 3-Lots

Test: High Temperature Gate Bias (HTGB)

Conditions: Ta=150°C, Vds= 100% Vgs Rating, Duration : 1008-Hrs, 3-Lots



AFFECTED DEVICE LIST:

PART

| LV T1 Part Id | MV T1 Part Id | LV T2 Part Id | MV T2 Part Id | LV HD3e Part Id | MV HD3e Part Id |
|---------------|---------------|---------------|---------------|-----------------|-----------------|
| NSTHD2102PT1G | 2N7002ET1G | NTD3808N-1G | NTB5862NG | NSTHC5513T1G | NTB5404NT4G |
| NSTHD3102CT1G | 2N7002ET3G | NTD3808N-35G | NTB5862NT4G | NSTHD4502NT1G | NTB5405NG |
| NSTHD5904NT1G | 2N7002KT1G | NTD3808NT4G | NTB5863NG | NSTHD4508NT1G | NTB5405NT4G |
| NSTHS2101PT1G | 2N7002KT1H | NTD3813N-1G | NTB5863NLG | NSTHS5404T1G | NTB5411NT4G |
| NSTHS4101PT1G | 2N7002KT3G | NTD3813N-35G | NTB5863NLT4G | NSTR1P02T1G | NTB5412NT4G |
| NSTJS3151PT1G | 2N7002WT1G | NTD3813NT4G | NTB5863NT4G | NSTR4501NT1G | NTB5426NT4G |
| NSTJS3157NT1G | 2N7002WT3G | NTD3817N-1G | NTD5802NT4G | NTB125N02RG | NTB6410ANG |
| NTA4151PT1G | NSTGS5120PT1G | NTD3817N-35G | NTD5803NT4G | NTB125N02RT4 | NTB6410ANT4G |
| NTA4151PT1H | NTGS5120PT1G | NTD3817NT4G | NTD5804NT4G | NTB125N02RT4G | NTB6411ANG |
| NTA4153NT1G | NTJD5121NT1G | NTD4804N-1G | NTD5805NT4G | NTB23N03RG | NTB6411ANT4G |
| NTA4153NT1H | NTJD5121NT2G | NTD4804N-35G | NTD5806NT4G | NTB23N03RT4 | NTB6412ANG |
| NTE4151PT1G | NTZD5110NT1G | NTD4804NA-1G | NTD5807NT4G | NTB23N03RT4G | NTB6412ANT4G |
| NTE4153NT1G | NTZD5110NT5G | NTD4804NA-35G | NTD5862N-1G | NTB4302G | NTB6413ANG |
| NTGD3133PT1G | | NTD4804NAT4G | NTD5862NT4G | NTB4302T4G | NTB6413ANT4G |
| NTGD3133PT1H | | NTD4804NT4G | NTD5865N-1G | NTB65N02RT4G | NTB6448ANG |
| NTGD3147FT1G | | NTD4804NT4H | NTD5865NL-1G | NTB75N03-006 | NTB6448ANT4G |
| NTGD3148NT1G | | NTD4805N-1G | NTD5865NLT4G | NTB75N03-6G | NTD5406NG |
| NTGD3149CT1G | | NTD4805N-35G | NTD5865NT4G | NTB75N03L09 | NTD5406NT4G |
| NTGD4161PT1G | | NTD4805NT4G | NTD5867NL-1G | NTB75N03L09G | NTD5407NG |
| NTGD4167CT1G | | NTD4806N-1G | NTD5867NLT4G | NTB75N03L09T4 | NTD5407NT4G |
| NTGD4169FT1G | | NTD4806N-1H | NTP5863NG | NTB75N03L09T4G | NTD5413NT4G |
| NTGS1135PT1G | | NTD4806N-35G | | NTB75N03RT4G | NTD5414NT4G |
| NTGS3130NT1G | | NTD4806N-35H | | NTB85N03T4G | NTD6414AN-1G |
| NTGS3136PT1G | | NTD4806NA-1G | | NTB90N02T4G | NTD6414ANT4G |
| NTGS3441BT1G | | NTD4806NA-35G | | NTP75N03WP | NTD6415AN-1G |
| NTGS3443BT1G | | NTD4806NAT4G | | NTD110N02R-001G | NTD6415ANT4G |
| NTGS3447PT1G | | NTD4806NAT4H | | NTD110N02RG | NTD6416AN-1G |
| NTGS4111PT1G | | NTD4806NT4G | | NTD110N02RT4G | NTD6416ANL-1G |
| NTGS4111PT2G | | NTD4806NT4H | | NTD14N03RG | NTD6416ANLT4G |
| NTGS4141NT1 | | NTD4808N-1G | | NTD14N03RT4G | NTD6416ANT4G |
| NTGS4141NT1G | | NTD4808N-35G | | NTD20N03L27 | NTMD6N04R2G |
| NTGS4141NT1H | | NTD4808NT4G | | NTD20N03L27-1G | NTP5404NRG |
| NTHD2102PT1 | | NTD4809N-1G | | NTD20N03L27G | NTP5411NG |
| NTHD2102PT1G | | NTD4809N-35G | | NTD20N03L27T4 | NTP5412NG |
| NTHD2102PT1H | | NTD4809N-35H | | NTD20N03L27T4G | NTP5426NG |
| NTHD2110TT1G | | NTD4809NA-1G | | NTD23N03R-1G | NTP6410ANG |
| NTHD3101FT1G | | NTD4809NA-35G | | NTD23N03RT4G | NTP6411ANG |
| NTHD3102CT1G | | NTD4809NAT4G | | NTD25P03L | NTP6412ANG |
| NTHD3133PFT1G | | NTD4809NAT4H | | NTD25P03L1 | NTP6413ANG |
| NTHD3133PFT3G | | NTD4809NH-1G | | NTD25P03L1G | NTP6448ANG |
| NTHD4102PT1 | | NTD4809NH-35G | | NTD25P03LG | NVMD6N04R2G |
| NTHD4102PT1G | | NTD4809NH-35H | | NTD25P03LRLG | NVTR4502PT1G |
| NTHD4102PT1H | | NTD4809NHT4G | | NTD25P03LT4 | STD5406NT4G |
| NTHD4102PT3G | | NTD4809NHT4H | | NTD25P03LT4G | STD5407NT4G |
| NTHD5904NT1G | | NTD4809NT4G | | NTD25P03LT4V | |
| NTHD5904T1 | | NTD4809NT4H | | NTD25P03LT4VG | |



| LV T1 Part Id | MV T1 Part Id | LV T2 Part Id | MV T2 Part Id | LV HD3e Part Id | MV HD3e Part Id |
|----------------|---------------|---------------|---------------|-----------------|-----------------|
| NTHD5905T1 | | NTD4810N-1G | | NTD30N02G | |
| NTHS2101PT1 | | NTD4810N-35G | | NTD40N03R-1G | |
| NTHS2101PT1G | | NTD4810NH-1G | | NTD40N03RT4G | |
| NTHS4101PT1G | | NTD4810NHT4G | | NTD4302 | |
| NTHS4166NT1G | | NTD4810NT4G | | NTD4302-1G | |
| NTJD2152PT1 | | NTD4813N-1G | | NTD4302G | |
| NTJD2152PT1G | | NTD4813N-35G | | NTD4302T4 | |
| NTJD2152PT2G | | NTD4813NH-1G | | NTD4302T4G | |
| NTJD4152PT1G | | NTD4813NH-35G | | NTD4404N1G | |
| NTJD4152PT1H | | NTD4813NHT4G | | NTD50N03R-1G | |
| NTJS3151PT1G | | NTD4813NT4G | | NTD50N03R-35G | |
| NTJS3151PT2G | | NTD4813NT4H | | NTD50N03RG | |
| NTJS3157NT1 | | NTD4815N-1G | | NTD50N03RT4G | |
| NTJS3157NT1G | | NTD4815N-35G | | NTD60N02R | |
| NTJS3157NT2G | | NTD4815NH-1G | | NTD60N02R-1G | |
| NTJS4151PT1G | | NTD4815NH-35G | | NTD60N02RG | |
| NTJS4160NT1G | | NTD4815NHT4G | | NTD60N02RT4 | |
| NTK3134NT1G | | NTD4815NT4G | | NTD60N02RT4G | |
| NTK3134NT1H | | NTD4815NT4H | | NTD60N02RT4H | |
| NTK3134NT5G | | NTD4854N-1G | | NTD65N03R | |
| NTK3134NT5H | | NTD4854N-35G | | NTD65N03R-1G | |
| NTK3139PT1G | | NTD4854NT4G | | NTD65N03R-35G | |
| NTK3139PT1H | | NTD4854NT4H | | NTD65N03RG | |
| NTK3139PT5G | | NTD4855N-1G | | NTD65N03RT4G | |
| NTK3139PT5H | | NTD4855N-35G | | NTD70N03R | |
| NTK3142PT1G | | NTD4855NT4G | | NTD70N03R-001 | |
| NTK3142PT1H | | NTD4855NT4H | | NTD70N03R-1G | |
| NTK3142PT5G | | NTD4856N-1G | | NTD70N03R-1H | |
| NTK3142PT5H | | NTD4856N-35G | | NTD70N03R-35G | |
| NTLJD2104PTAG | | NTD4856NT4G | | NTD70N03RT4G | |
| NTLJD2104PTBG | | NTD4857N-1G | | NTD78N03-1G | |
| NTLJD3115PT1G | | NTD4857N-35G | | NTD78N03-35G | |
| NTLJD3115PTAG | | NTD4857NA-1G | | NTD78N03G | |
| NTLJD3119CTAG | | NTD4857NA-35G | | NTD78N03R-001 | |
| NTLJD3119CTBG | | NTD4857NAT4G | | NTD78N03R-035 | |
| NTLJD3181PZTAG | | NTD4857NT4G | | NTD78N03R-35G | |
| NTLJD3181PZTBG | | NTD4858N-1G | | NTD78N03RG | |
| NTLJD3182FZTAG | | NTD4858N-35G | | NTD78N03T4G | |
| NTLJD3182FZTBG | | NTD4858N-35H | | NTD80N02-1G | |
| NTLJD3183CZTAG | | NTD4858NA-1G | | NTD80N02T4 | |
| NTLJD3183CZTBG | | NTD4858NA-35G | | NTD80N02T4G | |
| NTLJD4116NT1G | | NTD4858NAT4G | | NTD80N02T4H | |
| NTLJD4150PTBG | | NTD4858NT4G | | NTD85N02R-1G | |
| NTLJF3117PT1G | | NTD4858NT4H | | NTD85N02RT4G | |
| NTLJF3117PTAG | | NTD4860N-1G | | NTD95N02RG | |
| NTLJF3118NTAG | | NTD4860N-35G | | NTD95N02RT4G | |
| NTLJF3118NTBG | | NTD4860NA-1G | | NTF5P03T3G | |
| NTLJF4156NT1G | | NTD4860NA-35G | | NTF6P02T3G | |
| NTLJF4156NTAG | | NTD4860NAT4G | | NTGS3433T1G | |



| LV T1 Part Id | MV T1 Part Id | LV T2 Part Id | MV T2 Part Id | LV HD3e Part Id | MV HD3e Part Id |
|----------------|---------------|----------------|---------------|-----------------|-----------------|
| NTLJS1102PTAG | | NTD4860NT4G | | NTGS3441PT1G | |
| NTLJS1102PTBG | | NTD4860NT4H | | NTGS3441T1 | |
| NTLJS2103PTAG | | NTD4863N-1G | | NTGS3441T1G | |
| NTLJS2103PTBG | | NTD4863N-35G | | NTGS3441T1H | |
| NTLJS3113PT1G | | NTD4863NA-1G | | NTGS3443T1G | |
| NTLJS3113PTAG | | NTD4863NA-35G | | NTGS3443T1H | |
| NTLJS3180PZTAG | | NTD4863NAT4G | | NTGS3443T2G | |
| NTLJS3180PZTBG | | NTD4863NT4G | | NTGS3443T2H | |
| NTLJS4114NT1G | | NTD4863NT4H | | NTGS3446T1G | |
| NTLJS4149PTAG | | NTD4865N-1G | | NTGS3455T1 | |
| NTLJS4149PTBG | | NTD4865N-35G | | NTGS3455T1G | |
| NTLJS4159NT1G | | NTD4865NT4G | | NTGS3455T1H | |
| NTLTS3107PR2G | | NTD4865NT4H | | NTHC5513T1G | |
| NTLUD3191PZTAG | | NTD4959N-1G | | NTHD3100CT1 | |
| NTLUD3191PZTBG | | NTD4959N-35G | | NTHD3100CT1G | |
| NTLUF4189NZTAG | | NTD4959NH-1G | | NTHD4401PT1G | |
| NTLUF4189NZTBG | | NTD4959NH-35G | | NTHD4401PT3G | |
| NTLUS3192PZTAG | | NTD4959NHT4G | | NTHD4502NT1G | |
| NTLUS3192PZTBG | | NTD4959NT4G | | NTHD4508NT1G | |
| NTLUS4195PZTAG | | NTD4960N-1G | | NTHD4N02FT1 | |
| NTLUS4195PZTBG | | NTD4960N-35G | | NTHD4N02FT1G | |
| NTMD4184PFR2G | | NTD4960NT4G | | NTHD4P02FT1 | |
| NTMFS4108NT1G | | NTD4963N-1G | | NTHD4P02FT1G | |
| NTMFS4108NT3G | | NTD4963N-35G | | NTHD5903T1G | |
| NTMFS4119NT1G | | NTD4963NT4G | | NTHS4501NT1G | |
| NTMFS4119NT3G | | NTMD4820NR2G | | NTHS5404T1 | |
| NTMFS4120NT1G | | NTMD4840NR2G | | NTHS5404T1G | |
| NTMFS4121NT1G | | NTMD4884NFR2G | | NTHS5404T1H | |
| NTMFS4122NT1G | | NTMFS4821NT1G | | NTHS5441PT1G | |
| NTMFS4122NT3G | | NTMFS4821NT3G | | NTHS5441T1 | |
| NTMS4107NR2G | | NTMFS4823NT1G | | NTHS5441T1G | |
| NTMS4176PR2G | | NTMFS4823NT3G | | NTHS5441T1H | |
| NTMS4177PR2G | | NTMFS4833NT1G | | NTHS5443T1G | |
| NTR2101PT1G | | NTMFS4833NT3G | | NTHS5443T1H | |
| NTR2101PT1H | | NTMFS4834NST1G | | NTHS5445T1 | |
| NTR2108PT1G | | NTMFS4834NT1G | | NTJD3158CT1G | |
| NTR3161NT1G | | NTMFS4834NT3G | | NTJD3158CT2G | |
| NTR3161NT3G | | NTMFS4835NT1G | | NTJD4105CT1G | |
| NTR3162PT1G | | NTMFS4835NT3G | | NTJD4105CT1H | |
| NTR3162PT3G | | NTMFS4836NT1G | | NTJD4105CT2G | |
| NTR4101PT1G | | NTMFS4836NT3G | | NTJD4105CT4G | |
| NTR4101PT1H | | NTMFS4837NHT1G | | NTJD4401NT1 | |
| NTR4168PT1G | | NTMFS4837NHT3G | | NTJD4401NT1G | |
| NTR4170NT1G | | NTMFS4837NT1G | | NTJD4401NT2G | |
| NTR4170NT3G | | NTMFS4837NT3G | | NTJS4405NT1G | |
| NTR4171PT1G | | NTMFS4839NHT1G | | NTJS4405NT1H | |
| NTR4171PT3G | | NTMFS4839NHT3G | | NTL4502NT1 | |
| NTRV4101PT1G | | NTMFS4839NT1G | | NTLGD3502NT1G | |
| NTS2101PT1 | | NTMFS4841NHT1G | | NTLGD3502NT2G | |



| LV T1 Part Id | MV T1 Part Id | LV T2 Part Id | MV T2 Part Id | LV HD3e Part Id | MV HD3e Part Id |
|---------------|---------------|----------------|---------------|-----------------|-----------------|
| NTS2101PT1G | | NTMFS4841NHT3G | | NTLGF3402PT1G | |
| NTS2101PT1H | | NTMFS4841NT1G | | NTLGF3402PT2G | |
| NTS4101PT1 | | NTMFS4841NT3G | | NTLGF3501NT1G | |
| NTS4101PT1G | | NTMFS4845NT1G | | NTLGF3501NT2G | |
| NTS4101PT1H | | NTMFS4845NT3G | | NTLMS4502NR2G | |
| NTS4172NT1G | | NTMFS4846NT1G | | NTLMS4504NR2G | |
| NTS4173PT1G | | NTMFS4846NT3G | | NTLTD7900ZR2 | |
| NTUD3127CT5G | | NTMFS4847NAT1G | | NTLTD7900ZR2G | |
| NTUD3128NT5G | | NTMFS4847NAT3G | | NTMD2C02R2G | |
| NTUD3129PT5G | | NTMFS4847NT1G | | NTMD2P01R2G | |
| NTUD3169CZT5G | | NTMFS4847NT3G | | NTMD3P03R2G | |
| NTUD3170NZT5G | | NTMFS4849NT1G | | NTMD4N03R2 | |
| NTUD3171PZT5G | | NTMFS4849NT3G | | NTMD4N03R2G | |
| NTVS3141PT2G | | NTMFS4851NT1G | | NTMD6N02R2 | |
| NTZD3152PT1G | | NTMFS4851NT3G | | NTMD6N02R2G | |
| NTZD3152PT1H | | NTMFS4852NT1G | | NTMD6N03R2G | |
| NTZD3152PT5H | | NTMFS4852NT3G | | NTMD6P02R2G | |
| NTZD3154NT1G | | NTMFS4897NFT1G | | NTMD6P02R2SG | |
| NTZD3154NT1H | | NTMFS4897NFT3G | | NTMFS4701NT1G | |
| NTZD3154NT2G | | NTMFS4898NFT1G | | NTMFS4707NT1G | |
| NTZD3154NT2H | | NTMFS4898NFT3G | | NTMFS4708NT1G | |
| NTZD3154NT5G | | NTMFS4921NT1G | | NTMFS4708NT3G | |
| NTZD3154NT5H | | NTMFS4921NT3G | | NTMFS4709NT1G | |
| NTZD3155CT1G | | NTMFS4941NT1G | | NTMFS4709NT3G | |
| NTZD3155CT1H | | NTMFS4941NT3G | | NTMFS4744NT1G | |
| NTZD3155CT2G | | NTMFS4946NT1G | | NTMFS4744NT3G | |
| NTZD3155CT2H | | NTMFS4946NT3G | | NTMS10P02R2 | |
| NTZD3155CT5G | | NTMFS5835NT1G | | NTMS10P02R2G | |
| NTZD3155CT5H | | NTMFS5835NT3G | | NTMS3P03R2 | |
| NTZD3156CT1G | | NTMKE4890NT1H | | NTMS3P03R2G | |
| NTZD3156CT2G | | NTMKE4894NT1H | | NTMS4503NR2G | |
| NTZD3156CT5G | | NTMS4800NR2G | | NTMS4704NR2 | |
| NTZS3151PT1G | | NTMS4801NR2G | | NTMS4705NR2G | |
| NTZS3151PT1H | | NTMS4802NR2G | | NTMS4706NR2G | |
| NTZS3151PT5G | | NTMS4807NR2G | | NTMS4N01R2 | |
| NUS3116MTR2G | | NTMS4816NR2G | | NTMS4N01R2G | |
| NVE4151PT1G | | NTMS4840NR2G | | NTMS5P02R2 | |
| NVTE4151PT1G | | NTMS4872NR2G | | NTMS5P02R2G | |
| NVTJS4160NT1G | | NTMS4873NFR2G | | NTMS5P02R2SG | |
| STLJD3115PT1G | | NTTFS4800NTAG | | NTMS7N03R2 | |
| STLJD3115PTAG | | NTTFS4800NTWG | | NTMS7N03R2G | |
| | | NTTFS4821NTAG | | NTMSD3P102R2G | |
| | | NTTFS4821NTWG | | NTMSD3P102R2SG | |
| | | NTTFS4823NTAG | | NTMSD3P303R2 | |
| | | NTTFS4823NTWG | | NTMSD3P303R2G | |
| | | NTTFS4824NTAG | | NTMSD6N303R2 | |
| | | NTTFS4824NTWG | | NTMSD6N303R2G | |
| | | NTTFS4840NTAG | | NTMSD6N303R2SG | |
| | | NTTFS4840NTWG | | NTP125N02R | |



| LV T1 Part Id | MV T1 Part Id | LV T2 Part Id | MV T2 Part Id | LV HD3e Part Id | MV HD3e Part Id |
|---------------|---------------|----------------|---------------|-----------------|-----------------|
| | | NTTFS4941NTAG | | NTP125N02RG | |
| | | NTTFS4941NTWG | | NTP65N02RG | |
| | | STD4815NT4G | | NTP75N03L09 | |
| | | XTMFS4834NST1G | | NTP75N03L09G | |
| | | | | NTP75N03RG | |
| | | | | NTP85N03G | |
| | | | | NTP90N02G | |
| | | | | NTQD6866R2G | |
| | | | | NTQD6968NR2G | |
| | | | | NTQS6463R2 | |
| | | | | NTR0202PLT1 | |
| | | | | NTR0202PLT1G | |
| | | | | NTR0202PLT3G | |
| | | | | NTR1P02LT1 | |
| | | | | NTR1P02LT1G | |
| | | | | NTR1P02LT1H | |
| | | | | NTR1P02LT3G | |
| | | | | NTR1P02T1G | |
| | | | | NTR4501NT1 | |
| | | | | NTR4501NT1G | |
| | | | | NTR4501NT1H | |
| | | | | NTR4501NT3G | |
| | | | | NTR4501NT3H | |
| | | | | NTR4502PT1 | |
| | | | | NTR4502PT1G | |
| | | | | NTR4502PT3G | |
| | | | | NTR4503NT1 | |
| | | | | NTR4503NT1G | |
| | | | | NTR4503NT1H | |
| | | | | NTR4503NT3G | |
| | | | | NTR4516NT1G | |
| | | | | NTR4517PT1G | |
| | | | | NTR4518NT1G | |
| | | | | NTS4409NT1G | |
| | | | | NTTD4401FR2G | |
| | | | | NTTD4401FR2H | |
| | | | | NTTS2P02R2 | |
| | | | | NTTS2P02R2G | |
| | | | | NTTS2P03R2G | |
| | | | | NTVD20N03L27T4 | |
| | | | | NVGS3441PT1G | |
| | | | | NVGS3441T1 | |
| | | | | NVGS3441T1G | |
| | | | | NVGS3443T1 | |
| | | | | NVGS3443T1G | |
| | | | | NVMD6N03R2 | |
| | | | | NVMD6N03R2G | |
| | | | | NVMD6P02R2G | |
| | | | | NVMS10P02R2G | |



| LV T1 Part Id | MV T1 Part Id | LV T2 Part Id | MV T2 Part Id | LV HD3e Part Id | MV HD3e Part Id |
|---------------|---------------|---------------|---------------|-----------------|-----------------|
| | | | | NVMS5P02R2 | |
| | | | | NVMS5P02R2G | |
| | | | | NVMSD6N303R2 | |
| | | | | NVMSD6N303R2G | |
| | | | | NVTJD4105CT1G | |
| | | | | NVTJD4401NT1G | |
| | | | | NVTR01P02LT1G | |
| | | | | NVTR0202PLT1G | |
| | | | | NVTR4503PT1G | |
| | | | | NVTS4409NT1G | |
| | | | | STD110N02RT4G | |
| | | | | STD25P03LT4G | |
| | | | | STD4302T4 | |
| | | | | STD4302T4G | |
| | | | | STD60N02R-011G | |
| | | | | STD80N02-011 | |
| | | | | STD80N02-011G | |
| | | | | STR1P02LT1G | |
| | | | | STVD4302T4 | |
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