



INITIAL PRODUCT/PROCESS CHANGE NOTIFICATIONGeneric 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		NTC75N03WP	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		NTLMS4502NR2	
NTS4172NT1G		NTMFS4846NT1G		NTLMS4502NR2G	
NTS4173PT1G		NTMFS4846NT3G		NTLMS4504NR2	
NTUD3127CT5G		NTMFS4847NAT1G		NTLMS4504NR2G	
NTUD3128NT5G		NTMFS4847NAT3G		NTLTD7900ZR2	
NTUD3129PT5G		NTMFS4847NT1G		NTLTD7900ZR2G	
NTUD3169CZT5G		NTMFS4847NT3G		NTMD2C02R2G	
NTUD3170NZT5G		NTMFS4849NT1G		NTMD2P01R2G	
NTUD3171PZT5G		NTMFS4849NT3G		NTMD3P03R2G	
NTVS3141PT2G		NTMFS4851NT1G		NTMD4N03R2	
NTZD3152PT1G		NTMFS4851NT3G		NTMD4N03R2G	
NTZD3152PT1H		NTMFS4852NT1G		NTMD6N02R2	
NTZD3152PT5H		NTMFS4852NT3G		NTMD6N02R2G	
NTZD3154NT1G		NTMFS4897NFT1G		NTMD6N03R2G	
NTZD3154NT1H		NTMFS4897NFT3G		NTMD6P02R2G	
NTZD3154NT2G		NTMFS4898NFT1G		NTMD6P02R2SG	
NTZD3154NT2H		NTMFS4898NFT3G		NTMFS4701NT1G	
NTZD3154NT5G		NTMFS4921NT1G		NTMFS4707NT1G	
NTZD3154NT5H		NTMFS4921NT3G		NTMFS4708NT1G	
NTZD3155CT1G		NTMFS4941NT1G		NTMFS4708NT3G	
NTZD3155CT1H		NTMFS4941NT3G		NTMFS4709NT1G	
NTZD3155CT2G		NTMFS4946NT1G		NTMFS4709NT3G	
NTZD3155CT2H		NTMFS4946NT3G		NTMFS4744NT1G	
NTZD3155CT5G		NTMFS5835NT1G		NTMFS4744NT3G	
NTZD3155CT5H		NTMFS5835NT3G		NTMS10P02R2	
NTZD3156CT1G		NTMKE4890NT1H		NTMS10P02R2G	
NTZD3156CT2G		NTMKE4894NT1H		NTMS3P03R2	
NTZD3156CT5G		NTMS4800NR2G		NTMS3P03R2G	
NTZS3151PT1G		NTMS4801NR2G		NTMS4503NR2G	
NTZS3151PT1H		NTMS4802NR2G		NTMS4704NR2	
NTZS3151PT5G		NTMS4807NR2G		NTMS4705NR2G	
NUS3116MTR2G		NTMS4816NR2G		NTMS4706NR2G	
NVE4151PT1G		NTMS4840NR2G		NTMS4N01R2	
NVTE4151PT1G		NTMS4872NR2G		NTMS4N01R2G	
NVTJS4160NT1G		NTMS4873NFR2G		NTMS5P02R2	
STHS4101PT1		NTTFS4800NTAG		NTMS5P02R2G	
STHS4101PT1G		NTTFS4800NTWG		NTMS5P02R2SG	
STLJD3115PT1G		NTTFS4821NTAG		NTMS7N03R2	
STLJD3115PTAG		NTTFS4821NTWG		NTMS7N03R2G	
		NTTFS4823NTAG		NTMSD3P102R2G	
		NTTFS4823NTWG		NTMSD3P102R2SG	
		NTTFS4824NTAG		NTMSD3P303R2	
		NTTFS4824NTWG		NTMSD3P303R2G	
		NTTFS4840NTAG		NTMSD6N303R2	
		NTTFS4840NTWG		NTMSD6N303R2G	



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		NTMSD6N303R2SG	
		NTTFS4941NTWG		NTP125N02R	
		STD4815NT4G		NTP125N02RG	
		STMFS4834NST1G		NTP65N02RG	
		STMFS4834NST3G		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	



LV T1 Part Id	MV T1 Part Id	LV T2 Part Id	MV T2 Part Id	LV HD3e Part Id	MV HD3e Part Id
				NVMD6P02R2G	
				NVMS10P02R2G	
				NVMS5P02R2	
				NVMS5P02R2G	
				NVMSD6N303R2	
				NVMSD6N303R2G	
				NVTJD4105CT1G	
				NVTJD4401NT1G	
				NVTR01P02LT1G	
				NVTR0202PLT1G	
				NVTR4503PT1G	
				NVTS4409NT1G	
				STD110N02RT4G	
				STD25P03LT4G	
				STD4302T4	
				STD4302T4G	
				STD60N02R-011G	
				STD80N02-011	
				STD80N02-011G	
				STJD4105CT1G	
				STR1P02LT1G	
				STVD4302T4	