


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.		CRP/16/9465
1.3 Title of PCI		Moisture Barrier Bag (MBB) for 3-layer and 4-layer Pre plated frame FPN, SOT, SO & TSSOP REELS AND TUBES
1.4 Product Category		FPN, SOT, SO & TSSOP assembled with 3-layer and 4-layer Pre plated frame
1.5 Issue date		2016-05-09

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	GOODMAN ROBERT
2.1.2 Phone	+1 6024856271
2.1.3 Email	robert.goodman@st.com
2.2 Change responsibility	
2.2.1 Process Owner	Patrick LOW
2.2.2 Corporate Quality Manager	Veronique LIVACHE

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	New Indirect material part number (same supplier or different supplier): Boxes, trays, carriers, back grinding tape, wafer mounting tape, mold tape, ...	ST Shenzhen (China), ST Bouskoura (Morocco), ST Muar (Malaysia), ST Calamba (Philippines) ST Subcontractors (Carsem Semiconductor, Carsem China, UTAC Thai Limited, NFME, AMKOR ATP3, AMKOR APT1)

4. Description of change

	Old	New
4.1 Description	<p>The reels and tubes of the 3-layer and 4-layer Pre plated frame FPN, SOT, SO & TSSOP packages from ST Shenzhen (China), ST Bouskoura (Morocco), ST Muar (Malaysia), ST Calamba (Philippines) and ST Subcontractors (Carsem Semiconductor, Carsem China, UTAC Thai Limited, NFME, AMKOR ATP3, AMKOR APT1) are packed into the inner box without bag.</p> <p>The reels and tubes of the 4-layer Pre plated frame SO8N & TSSOP8 packages from ST Shenzhen (China) of MMS Group are packed into the inner box with shielding bag (refer to PCI CRP/15/9379).</p> <p>The reels of VFQFPN32, UDFPN8, WDFPN8, UDFPN5 packages from ST Calamba (Philippines) & Amkor subcontractor (Philippines) of MMS Group are packed into the inner box with shielding bag (refer to PCI MMS/16/9678).</p>	<p>The reels and tubes of the 3-layer and 4-layer Pre plated frame FPN, SOT, SO & TSSOP packages from ST Shenzhen (China), ST Bouskoura (Morocco), ST Muar (Malaysia), ST Calamba (Philippines) and ST Subcontractors (Carsem Semiconductor, Carsem China, UTAC Thai Limited, NFME, AMKOR ATP3, AMKOR APT1) will be packed with a Moisture Barrier Bag (MBB).</p>
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	- Form: No change - Fit: No change - Function: No change	

5. Reason / motivation for change

5.1 Motivation	This Moisture Barrier Bag will protect the product during exposure to uncontrolled environment before product usage (transportation/storage).
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	-
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7. Timing / schedule	
7.1 Date of qualification results	2016-05-20
7.2 Intended start of delivery	2016-06-03
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation			
8.1 Description			
8.2 Qualification report and qualification results	In progress	Issue Date	

9. Attachments (additional documentations)	
9465PpPrdtLst.pdf PCI PPF UPPF MBB bags.pdf	

10. Affected parts		
10.1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
74VHCT244AMTR	74VHCT244AMTR	
	CR95HF-VMD5T	
KF33BD-TR	KF33BD-TR	
KF50BD-TR	KF50BD-TR	
L4931ABD120TR	L4931ABD120TR	
L4931ABD33-TR	L4931ABD33-TR	
L4931ABD50-TR	L4931ABD50-TR	
L4931CD120-TR	L4931CD120-TR	
L4931CD33-TR	L4931CD33-TR	
	L6384ED	
	L6384ED013TR	
	L6385ED	
	L6386ED	
	L6386ED013TR	
	L6387ED	
L6561D013TR	L6561D013TR	
	L6562ADTR	
	L6562ATD	
	L6562ATDTR	
L6565DTR	L6565DTR	
L6615D	L6615D	
L78L05ABD13TR	L78L05ABD13TR	
L78L05ACD13TR	L78L05ACD13TR	
L78L05CD13TR	L78L05CD13TR	
L78L06ACD13TR	L78L06ACD13TR	
L78L08ABD13TR	L78L08ABD13TR	
L78L09ACD13TR	L78L09ACD13TR	
L78L12ABD-TR	L78L12ABD-TR	
L78L12ACD13TR	L78L12ACD13TR	
L78L24CD-TR	L78L24CD-TR	
L78L33ABD-TR	L78L33ABD-TR	
L78L33ACD13TR	L78L33ACD13TR	
L78L33CD-TR	L78L33CD-TR	
L79L05ABD13TR	L79L05ABD13TR	
L79L05ACD13TR	L79L05ACD13TR	

L79L08ACD13TR	L79L08ACD13TR	
L79L12ACD13TR	L79L12ACD13TR	
	LD1086PUR	
LD1117D33CTR	LD1117D33CTR	
LD2980ABM30TR	LD2980ABM30TR	
LD2980CM18TR	LD2980CM18TR	
LD2980CM33TR	LD2980CM33TR	
LD2980CM50TR	LD2980CM50TR	
LD2981ABM33TR	LD2981ABM33TR	
LD2981CM33TR	LD2981CM33TR	
LD2981CM50TR	LD2981CM50TR	
LD2985BM30R	LD2985BM30R	
LD2985BM33R	LD2985BM33R	
LD2985BM50R	LD2985BM50R	
	LD39015M10R	
	LD39015M12R	
	LD39015M18R	
	LD39015M33R	
	LD39020ADTPU08R	
	LD39020ADTPU18R	
	LD39020ADTPU21R	
	LD39020ADTPU25R	
	LD39020ADTPU28R	
	LD39020ADTPU30R	
	LD39020ADTPU33R	
	LD39020ATPU33R	
	LD39020DTPU13R	
	LD39020DTPU18R	
	LD39020DTPU30R	
	LD39020DTPU31R	
	LD39020TPU32R	
	LD39020TPU33R	
	LD39050PV10R	
	LD39100PUR	
	LD39130SPUR	
	LD39200PU33R	
LD3985M30R	LD3985M30R	
LD3985M33R	LD3985M33R	
	LD59015C12R	
	LD59015C15R	
	LD59015C18R	
	LD59015C25R	
	LD59015C30R	
	LD59015C33R	
	LDCL015MR	
	LDK120C-R	
	LDK120C08R	
	LDK120C10R	
	LDK120C11R	
	LDK120C12R	
	LDK120C15R	

	LDK120C18R	
	LDK120C25R	
	LDK120C28R	
	LDK120C29R	
	LDK120C30R	
	LDK120C32R	
	LDK120C33R	
	LDK120C35R	
	LDK120DM33R	
	LDK120M-R	
	LDK120M08R	
	LDK120M10R	
	LDK120M11R	
	LDK120M12R	
	LDK120M15R	
	LDK120M18R	
	LDK120M25R	
	LDK120M28R	
	LDK120M29R	
	LDK120M30R	
	LDK120M31R	
	LDK120M32R	
	LDK120M33R	
	LDK120PU-R	
	LDK120PU08R	
	LDK120PU10R	
	LDK120PU12R	
	LDK120PU18R	
	LDK120PU25R	
	LDK120PU29R	
	LDK120PU30R	
	LDK120PU32R	
	LDK120PU33R	
	LDK130C-R	
	LDK130C08R	
	LDK130C10R	
	LDK130C12R	
	LDK130C15R	
	LDK130C18R	
	LDK130C29R	
	LDK130C32R	
	LDK130C33R	
	LDK130M-R	
	LDK130M08R	
	LDK130M10R	
	LDK130M12R	
	LDK130M15R	
	LDK130M18R	
	LDK130M25R	
	LDK130M29R	
	LDK130M32R	

	LDK130M33R	
	LDK130PU-R	
	LDK130PU08R	
	LDK130PU10R	
	LDK130PU12R	
	LDK130PU15R	
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	LDK130PU29R	
	LDK130PU30R	
	LDK130PU32R	
	LDK130PU33R	
	LDK220C-R	
	LDK220C27R	
	LDK220C33R	
	LDK220C40R	
	LDK220C50R	
	LDK220M-R	
	LDK220M25R	
	LDK220M27R	
	LDK220M33R	
	LDK220M36R	
	LDK220M40R	
	LDK220M50R	
	LDK220PU-R	
	LDK220PU27R	
	LDK220PU33R	
	LDK220PU40R	
	LDK220PU50R	
	LDK715M42R	
	LDK715M50R	
	LDL112D18R	
	LDL112D33R	
	LDL112DR	
	LDL112PU18R	
	LDL112PU33R	
	LDL112PUR	
	LDS3985M18R	
	LDS3985M25R	
LDS3985M33R	LDS3985M33R	
LE30CD-TR	LE30CD-TR	
LE33CD-TR	LE33CD-TR	
LE50ABD-TR	LE50ABD-TR	
LE50CD-TR	LE50CD-TR	
LE80CD-TR	LE80CD-TR	
	LED2000DR	
	LED2000PUR	
LF351DT	LF351DT	
LK112M15TR	LK112M15TR	
LK112M18TR	LK112M18TR	
LK112M33TR	LK112M33TR	

LK112M50TR	LK112M50TR	
LK112M80TR	LK112M80TR	
LK112SM50TR	LK112SM50TR	
LM211DT	LM211DT	
LM217LD13TR	LM217LD13TR	
LM224APT	LM224APT	
LM224PT	LM224PT	
LM234DT	LM234DT	
LM239PT	LM239PT	
LM258ADT	LM258ADT	
LM2901PT	LM2901PT	
	LM2901YPT	
LM2902PT	LM2902PT	
LM2903PT	LM2903PT	
	LM2903YPT	
	LM2904AYPT	
LM2904PT	LM2904PT	
	LM2931AD33R	
LM2931AD50R	LM2931AD50R	
LM2931D-R	LM2931D-R	
LM293ST	LM293ST	
LM311D	LM311D	
LM311DT	LM311DT	
LM317LD13TR	LM317LD13TR	
LM324APT	LM324APT	
LM324PT	LM324PT	
LM334DT	LM334DT	
LM339APT	LM339APT	
LM339PT	LM339PT	
LM358APT	LM358APT	
LM358D	LM358D	
LM358PT	LM358PT	
LM393PT	LM393PT	
LM393ST	LM393ST	
	LM4041CICT-1.2	
	LM4041DECT-1.2	
LMV321ILT	LMV321ILT	
	LMV321IYLT	
	LMV321LICT	
	LMV321LILT	
LMV324IPT	LMV324IPT	
	LMV324IYPT	
	LMV324LIPT	
	LMV331ILT	
LMV358IDT	LMV358IDT	
	LMV358IYDT	
	LMV358LIDT	
	LMV824IPT	
	LMV825AIPT	
	LMX321ICT	
	LMX321ILT	

	LMX358IDT	
	LS204IDT	
	M24128-BFMC6TG	
	M24128-BRDW6TP	
	M24128-BRMN6TP	
	M24128-BWDW6TP	
	M24128-BWMN6TP	
	M24128-DFMN6TP	
	M24256-BFMC6TG	
	M24256-BRDW6P	
	M24256-BRDW6TP	
	M24256-BRMN6TP	
	M24256-BWDW6TP	
	M24256-BWMN6P	
	M24256-BWMN6TP	
	M24512-DFDW6TP	
	M24512-DFMC6TG	
	M24512-DFMN6TP	
	M24512-RDW6TP	
	M24512-RMN6TP	
	M24512-WDW6TP	
	M24512-WMN6P	
	M24C01-RDW6TP	
	M24C01-RMN6TP	
	M24C01-WDW6TP	
	M24C01-WMN6P	
	M24C01-WMN6TP	
	M24C02-DRDW3TP/K	
	M24C02-FDW6TP	
	M24C02-FMN6TP	
	M24C02-RDW6TP	
	M24C02-RMC6TG	
	M24C02-RMN6P	
	M24C02-RMN6TP	
	M24C02-WDW6TP	
	M24C02-WMN6P	
	M24C02-WMN6TP	
	M24C04-FMC5TG	
	M24C04-FMC6TG	
	M24C04-RDW6TP	
	M24C04-RMC6TG	
	M24C04-RMN6P	
	M24C04-RMN6TP	
	M24C04-WDW6TP	
	M24C04-WMN6P	
	M24C04-WMN6TP	
	M24C08-FMC6TG	
	M24C08-RMC6TG	
	M24C08-RMN6TP	
	M24C08-WDW6TP	
	M24C08-WMN6P	

	M24C08-WMN6TP	
	M24C16-FMC5TG	
	M24C16-RMC6TG	
	M24C16-RMN6TP	
	M24C16-WMN6P	
	M24C16-WMN6TP	
	M24C32-FMC6TG	
	M24C32-FMN6TP	
	M24C32-RMN6P	
	M24C32-RMN6TP	
	M24C32-WDW6TP	
	M24C32-WMN6P	
	M24C32-WMN6TP	
	M24C64-FDW6TP	
	M24C64-FMC6TG	
	M24C64-RMN6P	
	M24C64-RMN6TP	
	M24C64-WDW6TP	
	M24C64-WMN6P	
	M24C64-WMN6TP	
	M24LR04E-RDW6T/2	
	M24LR04E-RMC6T/2	
	M24LR04E-RMN6T/2	
	M24LR16E-RDW6T/2	
	M24LR16E-RMC6T/2	
	M24LR16E-RMN6T/2	
	M24LR64-RDW6T/2	
	M24LR64-RMN6T/2	
	M24LR64E-RDW6T/2	
	M24LR64E-RMC6T/2	
	M24LR64E-RMN6T/2	
	M24M01-DFDW6TP	
	M24M01-RDW6TP	
	M24M01-RMN6P	
	M24M01-RMN6TP	
	M24M02-DRMN6TP	
	M24SR04-YDW6T/2	
	M24SR16-YMC6T/2	
	M34E02-FDW1TP	
	M34E02-FDW6TP	
	M34E02-FMC6TG	
	M34E02-FMC6TGM	
	M34E04-FMC9TG	
	M34F04-WMN6TP	
	M35B32-WMC6TG	
M40SZ100WMQ6F	M40SZ100WMQ6F	
M41T00M6F	M41T00M6F	
M41T00SM6F	M41T00SM6F	
M41T0M6F	M41T0M6F	
M41T11M6F	M41T11M6F	
M41T56M6F	M41T56M6F	

M41T81M6F	M41T81M6F	
M41T81SM6F	M41T81SM6F	
	M41T82RM6F	
	M41T82SM6F	
	M41T83RQA6F	
	M41T83ZQA6F	
	M41T93RQA6F	
	M41T93SQA6F	
	M41T93ZQA6F	
M41T94MQ6F	M41T94MQ6F	
	M93C46-WDW6TP	
	M93C46-WMN6P	
	M93C46-WMN6TP	
	M93C56-RMN6TP	
	M93C56-WMN6P	
	M93C56-WMN6TP	
	M93C66-RMC6TG	
	M93C66-WDW6TP	
	M93C66-WMN6P	
	M93C66-WMN6TP	
	M93C76-WMN6TP	
	M93C86-RMN3TP/K	
	M93C86-WMN6P	
	M93C86-WMN6TP	
	M93S46-WMN6P	
	M93S46-WMN6TP	
	M93S56-WMN6P	
	M93S56-WMN6TP	
	M93S66-WMN6P	
	M93S66-WMN6TP	
	M95010-WDW6TP	
	M95010-WMN6P	
	M95010-WMN6TP	
	M95020-WMN6TP	
	M95040-DFMN6TP	
	M95040-RMC6TG	
	M95040-WDW6TP	
	M95040-WMN6P	
	M95040-WMN6TP	
	M95080-WMN6P	
	M95080-WMN6TP	
	M95128-DFMN6TP	
	M95128-RMN6P	
	M95128-WMN6P	
	M95128-WMN6TP	
	M95160-DRMN3TP/K	
	M95160-WMN3TP/S	
	M95160-WMN6P	
	M95160-WMN6TP	
	M95256-DFDW6TP	
	M95256-DFMN6TP	

	M95256-DRMN3TP/K	
	M95256-RDW6TP	
	M95256-WDW6TP	
	M95256-WMN6P	
	M95256-WMN6TP	
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	M95320-WMN6TP	
	M95512-DFMC6TG	
	M95512-DFMN6TP	
	M95512-RDW6P	
	M95512-RDW6TP	
	M95512-RMN6TP	
	M95512-WDW6TP	
	M95512-WMN6P	
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	M95640-DFMN6TP	
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	M95640-RMN6TP	
	M95640-WDW6TP	
	M95640-WMN6P	
	M95640-WMN6TP	
	M95M01-DFDW6TP	
	M95M01-DWDW4TP/K	
	M95M01-RMN6P	
	M95M01-RMN6TP	
	M95M02-DRMN6TP	
MC1458DT	MC1458DT	
MC33078DT	MC33078DT	
MC33079DT	MC33079DT	
MC33171DT	MC33171DT	
MC33172DT	MC33172DT	
MC34063ABD-TR	MC34063ABD-TR	
MC34063ACD-TR	MC34063ACD-TR	
MC34063EBD-TR	MC34063EBD-TR	
	PM8841D	
	PM8851D	
	SR1PAAU	
ST1480ABDR	ST1480ABDR	
ST1480ACDR	ST1480ACDR	
	ST1CC40DR	
	ST1CC40PUR	
	ST1S03PUR	
	ST1S06PUR	
	ST1S09IPUR	
	ST1S10PUR	
	ST1S12G12R	
	ST1S12G18R	
	ST1S12GR	

	ST1S30IPUR	
	ST1S31PUR	
	ST1S32PUR	
	ST1S40IDR	
	ST1S40IPUR	
	ST202BTR	
ST202EBDR	ST202EBDR	
ST202EBTR	ST202EBTR	
ST202EBWR	ST202EBWR	
ST202ECDR	ST202ECDR	
ST202ECTR	ST202ECTR	
ST232ABDR	ST232ABDR	
ST232ACDR	ST232ACDR	
ST232BDR	ST232BDR	
ST232BWR	ST232BWR	
ST232CDR	ST232CDR	
ST232CWR	ST232CWR	
ST232EBDR	ST232EBDR	
ST232ECDR	ST232ECDR	
ST26C31BDR	ST26C31BDR	
ST26C31BTR	ST26C31BTR	
ST26C32ABDR	ST26C32ABDR	
ST26C32ABTR	ST26C32ABTR	
ST3232BDR	ST3232BDR	
ST3232BTR	ST3232BTR	
ST3232CDR	ST3232CDR	
ST3232CTR	ST3232CTR	
ST3232CWR	ST3232CWR	
ST3232EBDR	ST3232EBDR	
ST3232EBTR	ST3232EBTR	
ST3232ECDR	ST3232ECDR	
ST3232ECTR	ST3232ECTR	
ST3485EBDR	ST3485EBDR	
ST3485ECDR	ST3485ECDR	
ST485BDR	ST485BDR	
ST485CDR	ST485CDR	
ST485EBDR	ST485EBDR	
ST485ECDR	ST485ECDR	
ST485EXDR	ST485EXDR	
	ST490ABDR	
ST662ABD-TR	ST662ABD-TR	
	ST715C33R	
	ST715M33R	
	ST715PUR	
ST890BDR	ST890BDR	
	ST890DTR	
	ST8R00WPUR	
	STAP16DPPS05XTTR	
	STAP16DPS05XTTR	
	STBP110CVDJ6F	
	STBP110ETDJ6F	

	STBP110GTDJ6F	
	STBP120DVVK6F	
	STC3100IQT	
	STC3100IST	
	STC3115AIQT	
	STC4054GR	
	STCN75DS2F	
	STCS05ADR	
	STEF033APUR	
	STEF033PUR	
STG3157CTR	STG3157CTR	
	STG3693QTR	
	STG3856QTR	
STG719STR	STG719STR	
	STLD40DPUR	
	STLM75DS2F	
	STLM75M2F	
	STLQ015M18R	
	STLQ015M25R	
	STLQ015M30R	
	STLQ015M33R	
	STLQ50C33R	
STM1001RWX6F	STM1001RWX6F	
STM1001SWX6F	STM1001SWX6F	
STM1001TWX6F	STM1001TWX6F	
	STM1061N19WX6F	
STM1061N22WX6F	STM1061N22WX6F	
	STM1061N25WX6F	
STM1061N26WX6F	STM1061N26WX6F	
STM1061N27WX6F	STM1061N27WX6F	
STM1061N29WX6F	STM1061N29WX6F	
	STM1061N30WX6F	
STM1061N31WX6F	STM1061N31WX6F	
	STM1061N38WX6F	
STM1811LWX7F	STM1811LWX7F	
STM1811MWX7F	STM1811MWX7F	
STM1815SWX7F	STM1815SWX7F	
STM1816RWX7F	STM1816RWX7F	
STM1816SWX7F	STM1816SWX7F	
STM1818RWX7F	STM1818RWX7F	
STM1818SWX7F	STM1818SWX7F	
STM1818TWX7F	STM1818TWX7F	
	STM32F030F4P6	
	STM32F030F4P6TR	
STM6321LWY6F	STM6321LWY6F	
STM6321SWY6F	STM6321SWY6F	
STM6322RWY6F	STM6322RWY6F	
STM6322SWY6F	STM6322SWY6F	
	STM6505WCABDG6F	
	STM6519ACARUB6F	
	STM6600CS25DM6F	

	STM6601CA2BDM6F	
	STM6601CQ2BDM6F	
	STM6717TGGWY6F	
STM6717TGWY6F	STM6717TGWY6F	
STM6718SFWY6F	STM6718SFWY6F	
STM6718TGWY6F	STM6718TGWY6F	
STM6718TWWY6F	STM6718TWWY6F	
STM6719TWWB6F	STM6719TWWB6F	
STM6720SFWB6F	STM6720SFWB6F	
	STM6780TWB6F	
STM6821TWY6F	STM6821TWY6F	
STM6822SWY6F	STM6822SWY6F	
STM6823MWY6F	STM6823MWY6F	
STM6823SWY6F	STM6823SWY6F	
	STM6823TJWY6F	
STM6824LWY6F	STM6824LWY6F	
STM6824SWY6F	STM6824SWY6F	
STM6824TWY6F	STM6824TWY6F	
STM6825LWY6F	STM6825LWY6F	
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	STM6905TWEDS6F	
STM690AM6F	STM690AM6F	
STM690RM6F	STM690RM6F	
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STM704SM6F	STM704SM6F	
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STM795RM6F	STM795RM6F	
STM806TM6F	STM806TM6F	
STM809LWX6F	STM809LWX6F	
STM809MWX6F	STM809MWX6F	
STM809RWX6F	STM809RWX6F	
STM809SWX6F	STM809SWX6F	
STM809TWX6F	STM809TWX6F	
STM810MWX6F	STM810MWX6F	
STM818LM6F	STM818LM6F	
	STM8L051F3P6	
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	STM8L151F3P6	
	STM8L151F3P6TR	
	STM8L151F3U6TR	
	STM8P151F36MCYTR	
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	STM8S003F3P6TR	
	STM8S003F3U6TR	
	STM8S103F2P6	
	STM8S103F2P6TR	

	STM8S103F3P6	
	STM8S103F3U6TR	
	STMPE811QTR	
	STMPS2141STR	
	STMPS2151MTR	
	STMPS2151STR	
	STMPS2161STR	
	STMPS2171STR	
	STMPS2242MTR	
	STMPS2252MTR	
	STMPS2272MTR	
	STP08CP05MTR	
	STP08DP05MTR	
	STP16CP05MTR	
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	STP16CPC05MTR	
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	STP16CPS05MTR	
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	STP16DP05XTTR	
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	STP16DPS05XTTR	
	STP4CMPQTR	
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	STTS2004B2DN3F	
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	STTS751-1DP3F	
	STWD100NYWY3F	
	STWD100PYW83F	
	STWD100YNYWY3F	
	TD350E	
TD352IDT	TD352IDT	
TL062CDT	TL062CDT	
TL062IDT	TL062IDT	
TL064IDT	TL064IDT	
TL072ACDT	TL072ACDT	
	TL072BIDT	
TL072CD	TL072CD	
TL072CDT	TL072CDT	
TL081IDT	TL081IDT	
TL082ACDT	TL082ACDT	
	TL082BCDT	
	TL082BIYDT	
TL082CDT	TL082CDT	
TL082CPT	TL082CPT	
TL082IDT	TL082IDT	
TL084CPT	TL084CPT	

TL084IPT	TL084IPT	
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TL1431ACDT	TL1431ACDT	
	TL1431ACL3T	
	TL1431ACL5T	
TL1431IDT	TL1431IDT	
TL431ACDT	TL431ACDT	
TL431AIDT	TL431AIDT	
	TL431AIYDT	
TL431CDT	TL431CDT	
	TL431ICT	
TL431IDT	TL431IDT	
	TLVH431BICT	
	TLVH431LICT	
TS1852IDT	TS1852IDT	
TS1854IPT	TS1854IPT	
	TS1874IYPT	
TS27M4CPT	TS27M4CPT	
	TS3011ILT	
	TS3021ILT	
	TS3022IDT	
TS321AILT	TS321AILT	
TS321ILT	TS321ILT	
	TS331ICT	
	TS334IPT	
TS339IPT	TS339IPT	
TS3704IPT	TS3704IPT	
TS391ILT	TS391ILT	
	TS391IYLT	
	TS391RILT	
	TS4061AICT-1.225	
	TS4061AICT-1.25	
	TS4061BICT-1.225	
	TS4061BICT-1.25	
TS431ILT	TS431ILT	
TS461CLT	TS461CLT	
TS462CDT	TS462CDT	
TS464CPT	TS464CPT	
TS4871IST	TS4871IST	
TS4890IST	TS4890IST	
	TS4962IQT	
TS4990IQT	TS4990IQT	
TS4990IST	TS4990IST	
TS4994IST	TS4994IST	
	TS507CLT	
	TS507ILT	
TS514AIDT	TS514AIDT	
TS7221AILT	TS7221AILT	
TS831-4IDT	TS831-4IDT	
TS831-5IDT	TS831-5IDT	
TS861AILT	TS861AILT	

TS861ILT	TS861ILT	
TS862IDT	TS862IDT	
TS864IPT	TS864IPT	
	TS881ICT	
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	TS912IYDT	
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TS922IPT	TS922IPT	
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TS952IPT	TS952IPT	
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	TS972IYPT	
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	TSC103IPT	
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TSH343IDT	TSH343IDT	
TSH82IDT	TSH82IDT	
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TSM1014AIDT	TSM1014AIDT	
TSM103WAIDT	TSM103WAIDT	
TSM108IDT	TSM108IDT	
TSV321RILT	TSV321RILT	
TSV324IPT	TSV324IPT	
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	TSV521ICT	
	TSV522AIQ2T	
	TSV522IQ2T	
	TSV611ILT	
	TSV621ILT	
	TSV630ILT	
	TSV630IQ2T	
	TSV6391ICT	
	TSV851ICT	
	TSV852IQ2T	
	TSV854AIPT	
	TSV855AIPT	
	TSV855IPT	
	TSV911AILT	
	TSV912IDT	
	TSV912IQ2T	
	TSV914IDT	

	TSV914IPT	
	TSV991AIQ1T	
	TSV992AIDT	
	TSV994AIDT	
	TSV994IPT	
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	TSX561AILT	
	TSX562IQ2T	
	TSX564IPT	
	TSX564IQ4T	
	TSX712IYST	
	TSX7192IST	
	TSX921ILT	
	TSX922IQ2T	
	TSX923IST	
	TSX9292IQ2T	
	TSZ121ICT	
UC2844BD1	UC2844BD1	
UC2844BD1013TR	UC2844BD1013TR	
UC2845BD1	UC2845BD1	
	UC2845BD1013TR	
	UC3842BD1013TR	
UC3843BD1013TR	UC3843BD1013TR	
UC3844BD1013TR	UC3844BD1013TR	
UC3845BD1013TR	UC3845BD1013TR	
ULN2002D1013TR	ULN2002D1013TR	
ULN2003D1013TR	ULN2003D1013TR	
ULN2004D1013TR	ULN2004D1013TR	
ULQ2003D1013TR	ULQ2003D1013TR	

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