


**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	CRP/20/12485	
1.3 Title of PCI	MBB (Material Barrier Bag) : extend print out warning message on shelf life	
1.4 Product Category	Refer to list of impacted products (AMS perimeter)	
1.5 Issue date	2020-12-17	

**2. PCI Team**

2.1 Contact supplier	
2.1.1 Name	NEMETH KRISZTINA
2.1.2 Phone	+49 89460062210
2.1.3 Email	krisztina.nemeth@st.com
2.2 Change responsibility	
2.2.1 Process Owner	Andrea BURRI
2.1.2 Corporate Quality Manager	Gerard PETIT

**3. Change**

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
Materials	Any indirect material modifications for shipping products in dimensions, material, composition, orientation...	ALL BE Manufacturing location

**4. Description of change**

	Old	New
4.1 Description	Due to historical reasons, the MBB ST is providing for SMD (Surface Mount Device) products have printed advise message alerting on 12 months of shelf life in sealed bags.	To align with extended shelf life International trends, the print out advise message for SMD products and in any case all products packed with MBB will be changed alerting on 24 months of shelf life in sealed bags.
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	<ul style="list-style-type: none"> <li>- Form: No change on product</li> <li>- Fit: No change on product</li> <li>- Function: No change on product</li> <li>- Reliability, or Processability: NA (Not applicable).</li> </ul>	

**5. Reason / motivation for change**

5.1 Motivation	<p>The main benefits are:</p> <ul style="list-style-type: none"> <li>- Formalization that shelf life up to 24 months can be sustained</li> <li>- In any case, the advice is a general indication, while the principal MBB robustness proof remains the HIC (Humidity Indicator) control. If HIC didn't change color, this just proves that bag is still in good condition and is protecting device from possible moisture penetration.</li> </ul>
5.2 Customer Benefit	MANUFACTURING FLEXIBILITY

**6. Marking of parts / traceability of change**

6.1 Description	Visible on MBB Print-out label
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**7. Timing / schedule**

7.1 Date of qualification results	2020-11-27
7.2 Intended start of delivery	2021-01-08
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)**

12485 Public product.pdf  
 12485 PCI\_MBB\_W49.1.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
	AIS328DQTR	
	E-L6219DS013TR	
	E-L6452	
	L4972AD	
	L4978D013TR	
	L4981BD013TR	
	L5973ADTR	
	L5973D	
	L5973D013TR	
	L5991D	
	L6205D	
	L6205PD013TR	
	L6225D	
	L6225DTR	
	L6563HTR	
	L6598D013TR	
	L6599ADTR	
	L7985TR	
	LIS2DH12TR	
	LIS331HHTR	
	LIS3DHTR	
	LSM6DS3TR	
	LSM6DSMTR	
	SPIRIT1QTR	
	ST202CDR	
	ST7538QTR	
	ST7540	
	STUSB1602AQTR	
	TDA7266D13TR	
	TSM1011AIDT	
	VIPER122LSTR	
	VIPER16LDTR	
	L6386ED	
	LIS2DE12TR	
	LIS2DHTR	
	ST232BDR	
	ST232CDR	
	VIPER12ASTR-E	
	VIPER22ASTR-E	

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## Public Products List

Public Products are off the shelf products. They are not dedicated to specific customers, they are available through ST Sales team, or Distributors, and visible on ST.com

**PCI Title :** MBB (Material Barrier Bag) : extend print out warning message on shelf life

**PCI Reference :** CRP/20/12485

**Subject :** Public Products List

Dear Customer,

Please find below the Standard Public Products List impacted by the change.

VIPER06XSTR	L6563HTR	L7986TA
STUSB4700QTR	L7980A	VG5761MPW
LIS331HH	A6986F5VTR	LSM6DSRTR
STUSB4700YQTR	STEF12SAPUR	L6399DTR
STGAP1ASTR	IMP34DT05TR	ST3241EBPR
STPW12PHR	TDA7491LP13TR	L6376D
STPIC6D595TTR	L6227D	SRK1001
MP34DT06JTR	VL6180XV0NR/1	L6230PDTR
L6498D	PM8805TR	L4971D
STGAP2SICSCTR	L6393D	STNRGPF01TR
STCOMET10	STKNXTR	L6566BHTR
STSPIN32F0ATR	POWERSTEP01	LSM6DSOXTR
L6566B	ST7580TR	TSM103WID
STA323W13TR	L6228Q	M48T201V-85MH1F
L6375STR	STNRG011TR	B5973DTR
VIPER012LS	L7986ATR	VIPER53SPTR-E
E-L6258EP	STSPIN32F0	LIS3DH
LDO40LPURY	L6208PD	SRK1001TR
ST8500	VNI8200XP	L6598D013TR
LED1202QTR	VNI4140K	VN340SP-33-E
L6386ADTR	LIS3DHTR	STLUX325A
E-L6219DSA	STA559BWSTR	POWERSTEP01TR
S2-LPQTR	LIS3DHHTR	A5975ADTR
LIS2DS12TR	STEF01FTR	L6599ATD
LSM6DS3TR	L6398D	L6207PD
STP16DP05PTR	STNRGPF12	L5972D013TR
VN808CM-32-E	L4972AD013TR	TSM1012IDT
STGAP2SCMTR	VN340SPTR-E	LIS2DS12
IPS161H	L6928Q1TR	L2G2ISTR
PM6641TR	L5970D	L7292D
L5991AD	L6474PD	ALTAIR04-900
A6986	UC2845BD1013TR	STCOM05
LIS2DTW12	L7986A	L6227DTR
LED6000PHR	M74HC4851YRM13TR	LSM6DSLTR
LIS331HHTR	SRK2001	STKNX
TSM108ID	TDA7492PETR	L6491DTR



## Public Products List

L5970D013TR	STDRIIVE101	HVLED815PFTR
L6599ATDTR	L6229QTR	STNRGPF01
PWD5F60	HVLED001BTR	L298P
L5970AD	VIPER25HDTR	STSPIN32F0251Q
L6498DTR	VIPER0PHD	L7987LTR
L6362ATR	STP24DP05BTR	STDRIIVE101TR
VIPER317LDTR	L6225PD	L6229PD
STPMS1BPQR	STWBC-MCTR	PM6773
L6599DTR	LIS25BATR	L6668TR
ST8500TR	LIS2DW12TR	ALTAIR05T-800
STGAP2HSCMTR	STSPIN32F0251TR	FTM5CU56AA1BE
STCH03	L6206Q	LPS22HHTR
STLUX385A	L4981AD	L6377D
L6389ED	TSM101CD	L6392D
STDRIIVE601	STA020DJTR	LSM6DS3TR-C
L6480H	IIS2DHTR	E-L6452
ST7538QTR	VIPER16LD	STGAP2HSMTR
PM6686	L6563A	L4973D3.3
STSPIN32F0602	M74HC259YRM13TR	L7981TR
L7981A	STSPIN32F0A	STUSB1700YQTR
L6598D	TSM1014IDT	VN330SP-E
L6390D	L6375S	A5975DTR
E-L6219R013TR	LSM9DS1TR	LIS2MDL
L6599ADTR	L6986	STLUX385ATR
L6566ATR	LED6001TR	L7985A
A5974AD	LPS27HHWTR	TSM101IDT
M41ST87WSS6F	HCF4094YM013TR	ST3222BTR
L6377D013TR	L6230PD	L6398DTR
STNRG388A	A7985ATR	STPMIC1BPQR
TDA7491HV13TR	L6739TR	M48T201Y-70MH1F
MIS2DHTR	VIPER37HDTR	VIPER22AS-E
AIS1120SXTR	LIS3MDLTR	STCS2SPR
PM6680ATR	BLUENRG-355MT	SRK2000ATR
STSPIN250	L7986TATR	PM6686TR
A6985F5VTR	VN808CM-E	TSM104WIDT
L4976D	A5973ADTR	VIPER17HD
L6726ATR	SERC816	STSPIN32F0252Q
TDE1707BFP	VL53L5CAV0GC/1	L6498LD
ST3237EBPR	LIS344ALHTR	L6374FP
VIPER114LSTR	ST8034TDT	L6228D
LPS33KTR	ST2100TR	VIPER013HSTR
VG5661MPW	A5974ADTR	L6738TR
VIPER26HDTR	E-L6258EA	VIPER265KDTR
SRK2001ATR	PM6644TR	M41T11MH6F
M74HC151YRM13TR	MP23DB01HPTR	L6566BTR
A6986HTR	ISO8200BQTR	L6599AD
L5985TR	STP08DP05XTTR	M48Z58Y-70MH1F
L6924D013TR	STP08CP05TTR	H3LIS200DL
STSPIN240	LDS3985PU18RY	TDA7491HVU13TR
M41T94MH6F	VIPER319LDTR	VIPER26LD



## Public Products List

STUSB1702YQTR	L6392DTR	IIS3DWBTR
VIPER0PLDTR	STPM33TR	TDA7498TR
ST3241ECPR	STEF12H60PUR	STWBC-EPTR
STNRG388ATR	L7980ATR	VIPER35HDTR
LIS2DE12TR	VG6640CB1M/1	STSPIN830
A6985FTR	VIPER17LDTR	L6386AD
A3G4250DTR	L6563H	VN808CMTR-E
VIPER28LD	A7986A	STPM34TR
LM2902WPT	L6206D013TR	PM8908TR
L6206PD	L6387ED013TR	LED2472GQTR
VIPER38HDTR	LSM6DSRXTR	BLUENRG-248
VIPER28LDTR	L6226PD	L6563STR
STUSB4710AQ1TR	IIS2ICLXTR	L6564TD
STA350BTR	TSM104WAID	ST3232EBDR
ST7540TR	TDE1708DFT	PM6764TR
L6985F	TD310IDT	L5970ADTR
L6480HTR	MP23ABS1TR	L6564DTR
TDE1898CFP	STDRIVE601TR	LDLN050PU33RY
STSPIN233	IPS160H	L6564TDTR
L7985ATR	LIS2DH12TR	VN808-E
VNQ860SP-E	L5973ADTR	VN340SPTR-33-E
VN751PT13TR	A6985F3V3	PM6680TR
VIPER013LSTR	STRG02TR	STHV748SQ
L6382DTR	LD39100PU12RY	STA309A13TR
LSM303AGR	LED7707TR	STPMIC1CPQR
ST3232CDR	L6393DTR	STSPIN32F0601TR
LPS33WTR	LPS22CHTR	L6920DCTR
L6902D013TR	PM6766	ALED6001
A6985F3V3TR	VNI4140KTR-32	STA333W13TR
VIPER37LDTR	LSM6DSO	L6591TR
L7987L	BLUENRG-355MC	L5973D
L6563TR	L5987ATR	STPRDC01TR
L6235QTR	BLUENRG-345MT	VIPER115XSTR
L7981ATR	LD39100PU18RY	L6228PDTR
STEF12EPUR	A6387DTR	SRK2000A
STWBC	L6924UTR	LSM6DSMTR
TSM1011AID	L6229Q	VIPER013BLSTR
LPS22HBTR	VIPER012HS	PM8903ATR
SRK2001A	A3G4250D	VIPER122LSTR
VIPER16LDTR	STCH03TR	VNQ860-E
STA516BFTR	ST202BDR	L6564D
AIS326DQ	PWD5F60TR	STPMIC1EPQR
BLUENRG-MSQTR	STS1TXQTR	L6474HTR
TL1431IYDT	STCF05TBR	L6986H5V
A6985F	ST2100	L6208PD013TR
TDA7491MV13TR	LIS2HH12TR	IPS4260LTR
PM8834	STPMIC02	MASTERGAN1
PM8804TR	M48T08Y-10MH1F	VIPER27HD
VIPER011XS	SG2525AP	VNQ860SPTR-E
L6229DTR	VIPER37LD	AIS326DQTR



## Public Products List

ST75MMTR	LSM6DS3HTR	TDA749213TR
L6228QTR	A6986H3V3	ULQ2003D1013TRY
TSM1012AID	I3G4250DTR	PM6697HTR
L6599D	L6206PD013TR	M41ST85WMX6TR
H3LIS100DL	ISO8200AQTR	VIPER35LDTR
VN808CMTR-32-E	L293DD	TDE1897RFPT
STA51813TR	VIPER318LDTR	L297D
L5972D	L6564H	LIS331DLHTR
HCF4060YM013TR	LIS2DHTR	LSM6DSR
L7292DT	L6225PDTR	STCH03LTR
A6985F5V	TSM102AID	LSM6DS3USTR
L6902D	ST8024LCTR	IIS3DHHCTR
STGAP2SCM	VN330SPTR-E	L6984TR
STP08CP05MTR	ST232ACDR	STUSB4710AQTR
IPS161HTR	SPBTLE-RF0TR	STA516BETR
L2720W13TR	SG3525AP013TR	VL6180V1NR/1
STPMIC1APQR	L4978D013TR	ISO8200B
VIPER319XDTR	LDK130M15RY	A5970D
L6986TR	LIS344ALH	L6926013TR
PM6641	STPIC6D595MTR	L6985FTR
LIS2DTW12TR	L6386ED013TR	L6399D
VIPER38LDTR	ST7538Q	TDA7498LTR
E-L6258EXTR	STUSB4761QTR	L4973D5.1-013TR
LIS3LV02DL	IIS2MDCTR	LSM6DSOTR
L6506D013TR	STRG04TR	LPS22HDTR
L6474H	VIPER06LSTR	BLUENRG-345MC
VIPER38LD	ST26C31BDR	VG6640AB1M/1
TDA7439DS13TR	PM6766TR	A7986ATR
STA339BWTR	LM324WPT	A6986H5V
VL53L0CXV0DH/1	L4976D013TR	STOTG04EQTR
LDK130M22RY	TSM101CDT	L4973D5.1
LSM303AHTR	L6226PDTR	L5986ATR
TDE1898CFPT	STISO621WTR	L6235PD
TSM1014AIDT	L4984D	VIPER114HSTR
UC2845BD1	L6207PD013TR	VIPER25LDTR
ST3222ECPR	L6928D013TR	STSPIN32F0252QTR
L4972AD	VNI2140J	VL53L3CXV0DH/1
STGAP2SICS	VNI8200XP-32	PM8803
LPS33HWTR	L6920D	L6235Q
LED8102SXTR	STGAP1AS	ST3243ECTR-E
SG3524P013TR	TSM103WAIDT	L6370D013TR
A5973D	L7987	BLUENRG-232
A6986TR	LD49100PU18RY	LED2472GBTR
L6201PSTR	STSPIN32F0601Q	VIPER16HDTR
STSPIN820	STNRG328A	STNRG328ATR
M48T35Y-70MH1F	L5991D	LM324APT
A7987TR	TDA7498ETR	STA369BWSTR
LM2902YQ5T	ALED1262ZTTR	S2-LPTXQTR
A5973D013TR	S2-LPCBQTR	VL53L1CXV0FY/1
TL431AIYDT	L6395D	L6482HTR



## Public Products List

TDA7266D13TR	VIPER37HD	L6986H5VTR
TDE1747FP	STP08DP05MTR	TSM101ID
ASM330LHHTR	LSM6DSOPTR	L6376D013TR
VIPER06HSTR	LDK130M18RY	L6226DTR
STNRG011	STNRGPF02	L6370D
STEF12PUR	VIPER12ASTR-E	L6563S
L6472PDTR	B5973D	LD59150PURY
PM8834TR	STEF12H60APUR	LDO40LPU50RY
ISO8200AQ	E-L6258E	STCMB1
L4963D013TR	VIPER27LDTR	STWBCTR
AST1S31PUR	L6474PDTR	L6470H
STA559BW13TR	IMP23ABSUTR	STRG06TR
PWD13F60TR	A5975D	L6382D5
VIPER27HDTR	VIPER22ASTR-E	L4978D
TSM104WID	L5987A	VIPER114XSTR
ST3243EBTR	L272D	LPS25HBTR
L5988DTR	VNI2140JTR	E-L6258
LED7708	TDA2822D013TR	L6205PD
ST75185CTR	TDA7492ETR	PM6773TR
L7987TR	L5981TR	LED7708TR
L6208D	L6206D	L6228PD
LED7706TR	L5987TR	VIPER35HD
PM6776	L6387ED	VIPER011XSTR
A6986F3V3TR	L2293Q	STEF05PUR
LM2901YDT	SPV1040TTR	ST1S14PHR
VIPER317HDTR	HCF4010YM013TR	VIPER12AS-E
ST7540	ST3243CPR	L6472PD
ST3232BDR	ST1S41PHR	STA533WF13TR
L3GD20HTR	A6986F5V	LIS3LV02DLTR
ISM303DACTR	LED1642GWXTTR	SG3525AP
H3LIS200DLTR	L6235PD013TR	VIPER53SP-E
MP23ABS1	L6726A	L7980TR
HVLED001ATR	LSM303AGRTR	STA516B13TR
VIPER06LS	L6208Q	LD39100PURY
ALED6001TR	LIS2MDLTR	PM6680
IPS161HFTR	ST8024CTR	VNI4140K-32
L6375D	L6498LDTR	SG3524P
MP23DB02MMTR	STSPIN220	L6374FP013TR
STPMIC02TR	L6235D013TR	L6229D
L6668	A6986H3V3TR	L6360TR
STP16CPC26PTR	VIPER16HD	STCH03L
STA350BWTR	L6472HTR	LM324AWPT
LDK130M11RY	VIPER26LDTR	ALTAIR05T-800TR
STSPIN32F0602TR	L4981BD013TR	VN751S
STA369BWTR	STPRDC02TR	VIPER17LD
A6986F3V3	A6727TR	LIS3DSHTR
TSM101ACD	VIPER06HS	E-TEA3718SFPTR
STSPIN32F0TR	VIPER28HD	ISM330DHCXTR
TDA2822D	SPV1050TTR	TDE1747FPT
L4981AD013TR	SPBTLE-1S	VNQ860TR-E





## Public Products List

L6494LDTR	ST3222EBPR	L6235D
M74HC365YRM13TR	STHV1600L	L2293QTR
STCOMET05	STPDDC60TR	STCOM10
STPMIC1DPQR	E-L6258EX	TD310ID
TDA7440D013TR	VL53L1CBV0FY/1	LPS35HWTR
LSM6DS33TR	VN340SP-E	TL1431AIYDT
L4973D3.3-013TR	M74HC4852YRM13TR	L6201PS
VIPER012HSTR	STPM01FTR	STSPIN32F0252
STPM32TR	TSM1014AID	A5974DTR
STWBC2TR	STP08DP05TTR	SRK2001TR
A5972D013TR	L6491D	TD350ETR
L6375D013TR	VIPER012BHSTR	L6395DTR
STWBC-EP	L272D013TR	STISO621W
VIPER35LD	VN540SP-E	STLD1TR
L6389EDTR	VIPER53ESPTR-E	STLD1
IIS328DQTR	TDA7492P13TR	LD49100PU25RY
L5986A	L6207Q	VIPER267KDTR
STP08CP05XTTR	TSM1014ID	L6482H
PM8800A	STGAP2SICSC	M74HC595YRM13TR
L6599AFDTR	LD49100PU33RY	TDA7492MV13TR
TSM1011ID	AIS328DQ	L6599AFD
LED8102SXT	TSM101AID	STA510A13TR
HVLED001BY	A6387D	HVLED001A
L6230Q	L6364Q	TSX3704IPT
STSPIN230	L5973D013TR	ST1S40IPHR
PWD13F60	L6207D	STGAP2SICSTR
ST2S08BPQR	PM8800ATR	STGAP2SMTR
PM6776TR	L6390DTR	L6566A
STCS2ASPR	L6208QTR	L6470HTR
L6986FTR	L6566BH	TSM104WAIDT
STA333BW13TR	E-L6219DS013TR	L6360
VIPER319HDTR	SPIRIT1QTR	STUSB1600AQTR
STA339BWS13TR	ST8034ATDT	L6738ATR
LD39100PU33RY	LD49100PU12RY	ST75MM
STPIC6C595TTR	M48Z35Y-70MH1F	BLUENRG-232N
L6382D	BLUENRG-132	ST202CDR
ST3222CTR	STOTG04ESQTR	M48T37Y-70MH1F
AIS3624DQTR	HTS221TR	VIPER013BLS
VIPER0PLD	IMP34DT05	TSM103WIDT
STNRGPF12TR	LED5000PHR	H3LIS100DLTR
L7986TR	IPS161HF	L5983TR
L6986HTR	TL431IYDT	L6207D013TR
STA311BTR	L6201013TR	M74HC4094YRM13TR
PM8803TR	AIS1200PSTR	TDE1707BFPT
M41ST87WMX6TR	STA515W13TR	AIS2120SXTR
BLUENRG-355AC	L6226Q	STUSB4500QTR
VN808TR-32-E	VIPER25HD	STPM10BTR
TSM1011AIDT	STUSB4500LQTR	L6591
STULPI01ATBR	STP16CPC26XTR	ISM330DLCTR
STHV800L	LDS3985PU33RY	VIPER222LSTR



## Public Products List

L6564HTR	TSM101ACDT	L6382D5TR
L6563	L6920DBTR	TDE3247FPT
ISO8200BQ	ST202EBDR	L298P013TR
STHV64SW	STGAP2SM	ALED6000PHTR
L6470PD	TD350E	L4971D013TR
L6205D013TR	VIPER17HDTR	STSPIN32F0252TR
L6986F	VIPER318HDTR	A5974D
STULPI01BTBR	M41T94MQ6F	L6227Q
L293DD013TR	VIPER011LSTR	A5973AD
L6227PD	VIPER38HD	LM2901HYDT
L6229PDTR	MP34DT05TR-A	STSPIN32F0602QTR
VIPER012LSTR	ST3222ECTR	ST232ABDR
L6227PDTR	TSM103WAID	LD49100PURY
ST7580	H3LIS331DLTR	L5988D
TSM108IDT	TDA7491P13TR	ALED1642GWXTTR
STA333ML13TR	M40SZ100WMQ6F	M41ST85WMH6F
L4981BD	L6699DTR	STNRGPF02TR
STUSB03EQR	L6386ED	VG6640AB1M
M74HC4060YRM13TR	STUSB1602AQTR	L6472H
IIS2DLPCTR	L4963D	SPBTLE-RFTR
L6506D	L6494LD	VN751STR
STWBC-WA	ALED8102SXTTR	LED1642GWQTR
VIPER012XS	IPS160HTR	A6986H
VIPER0PHDTR	L6205PD013TR	E-TEA3718SFP
VIPER013XSTR	STSPIN32F0B	TDE3247FP
LIS2DWTR	L6234PD	VNI8200XPTR-32
TSM102AIDT	L6226D	ST26C32ABDR
VNI4140KTR	VIPER012XSTR	VIPER25LD
I3G4250D	IPS160HF	L5991D013TR
VN808TR-E	L6743BTR	ST232BDR
SERC816/TR	LM224APT	LED2001PHR
IIS328DQ	M48T58Y-70MH1F	L6234PD013TR
VIPER222XSTR	STSPIN32F0251	L297D013TR
E-L6219DSATR	HVLED805TR	VIPER06XS
VNI8200XPTR	STA50813TR	HCF4051YM013TR
VG6640CB1M	STSPIN840	STSPIN32F0BTR
L6227QTR	STSPIN32F0251QTR	MASTERGAN1TR
STWBC-WATR	SG2525AP013TR	PSA60TR
M48T37V-10MH1F	LED6001	TDA7498MVTR
M48T35AV-10MH1F	VIPER28HDTR	LED6000PHTR
L6984ATR	A6986H5VTR	AIS2DW12TR
L5973AD	ST232CDR	TSM101AIDT
STA510FTR	VIPER115HSTR	A5970ADTR
L7985TR	VIPER011LS	TSM1011IDT
AIS328DQTR	IPS4260L	L6699D
L6206QTR	ST202ECDR	L6228DTR
L6225DTR	E-L6219R	ST232EBDR
L4984DTR	TSM1012ID	ST2S06BPQR
LDO40LPU33RY	ST2S06A33PQR	STSPIN32F0601QTR
L6230QTR	VIPER26HD	L6986H3V3TR



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STCMB1TR	STPMC1BTR	BLUENRG-345AC
VN751PT	L6207QTR	STPIC6C595MTR
LDK130M33RY	L6470PDTR	L6205D
L6926Q1TR	ISO8200BTR	L6225D
L6986H3V3	SPV1040T	STSPIN32F0602Q
ST8024LACTR	LED1642GWTR	HCF4021YM013TR
STEF05DPUR	LD39100PU25RY	LED1642GWPTR
VN540SPTR-E	A6984TR	STGAP2DM
TSM1012AIDT	IPS160HFTR	LDK130M28RY
ST3222EBTR	AST1S31HF	VN808-32-E
LSM6DSO32TR	VIPER27LD	VIPER113XSTR
ALED7707	L6201	ALED7707TR
L6226QTR	VIPER013XS	STGAP2DMTR
L6986H	VIPER318XDTR	ST232ECDR
STWBC-MC	ALTAIR04-900TR	VIPER113LSTR
L6391DTR	VIPER115LSTR	L5991AD13TR
ST3232ECDR	VIPER013LS	L6391D
VIPER013HS	STWBC2	L6563ATR
A5970D013TR	L6920DTR	STSPIN32F0601
L5980TR	STLUX325ATR	ST8024LTR
L6208D013TR		



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