



# PRODUCT TERMINATION NOTIFICATION

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PTN APM-SLI/07/2418  
Notification Date 04/09/2007

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**Product termination for Voltage Regulators & Interface products**

**SLI - LINEAR & INTERFACE**

**Table 1. Termination Identification**

Product Identification Commercial Product(s) to be terminated	Voltage regulators & Interface
Reason for termination	Products rationalization
Alternate product(s) replacement	See attached

**Table 2. Termination Implementation Schedule**

Forecasted date of STMicroelectronics 'alternative products replacement' for customer	02-Apr-2007
Last Order entry date (6 months from the notice for final shipment)	09-Oct-2007
Last Order delivery date (12 months from the notice for final shipment)	09-Apr-2008

**Table 3. List of Attachments**

Customer Part numbers list	
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## DOCUMENT APPROVAL

Name	Function
San biagio, Marcello	Division Marketing Manager
Naso, Lorenzo	Division Product Manager

\*\* = Nearest on Ctm Request

\* = Nearest

Sales-Types	Replacements	Comments
KD1084ADT18R	KD1084AD2T18R*	Different package
KF120BD	None	None
KF120BD-TR	None	None
KF120BDT-TR	None	None
KF120BV	None	None
KF15BDT	KF15BDT-TR	Tape&Reel version
KF15BD-TR	KF15BDT-TR*	Different package
KF25BDT	KF25BDT-TR	Tape&Reel version
KF30BDT	KF33BDT-TR	Tape&Reel version
KF33BD	KF33BD-TR	Tape&Reel version
KF33BDT	KF33BDT-TR	Tape&Reel version
KF35BD	None	None
KF35BDT	None	None
KF35BD-TR	None	None
KF35BDT-TR	None	None
KF40BD	None	None
KF50BD	KF50BD-TR	Tape&Reel version
KF50BDT	KF50BDT-TR	Tape&Reel version
KF52BD	None	None
KF60BD-TR	LF60CDT-TR* / LF60ABV* / LF60CV*	Different package and some electrical parameters
KF80BD	KF80BDT-TR*	Different package
KF80BDT	KF80BDT-TR	Tape&Reel version
L4931ABD120	L4931ABD120TR	Tape&Reel version
L4931ABD25	L4931ABPT25TR* / L4931CPT25-TR*	Different package and some electrical parameters
L4931ABD33	L4931CD33-TR*	Different Vout tolerance
L4931ABD50	L4931CD50-TR*	Different Vout tolerance
L4931ABDT33	L4931ABDT33-TR	Tape&Reel version
L4931ABDT35	L4931ABDT35TR	Tape&Reel version
L4931ABDT80	L4931ABDT80-TR	Tape&Reel version
L4931CD120	L4931CD120-TR	Tape&Reel version
L4931CD25	L4931ABPT25TR* / L4931CPT25-TR*	Different package and some electrical parameters
L4931CD30	L4931CDT30-TR	Different package
L4931CD33	L4931CD33-TR	Tape&Reel version
L4931CD50	L4931CD50-TR	Tape&Reel version
L4931CD80	L4931CD80-TR	Tape&Reel version
L4931CDT120	L4931CDT120-TR	Tape&Reel version
L4931CDT25	L4931CPT25-TR*	Different package
L4931CDT33	L4931CDT33-TR	Tape&Reel version
L4931CDT50	L4931CDT50-TR	Tape&Reel version
L4931CPT120	L4931CPT120-TR	Tape&Reel version
L4931CPT50	L4931CPT50-TR	Tape&Reel version
L4931CZ120	L4931CD120-TR* / L4931CDT120-TR* / L4931CPT120-TR*	Different package
L4931CZ33	L4931CZ33-AP	Tape&Reel version
L4931CZ50	L4931CZ50-AP	Tape&Reel version
L4940D2M5-TR	None	None

L4940D2T10	L4940D2T10-TR	Tape&Reel version
L4940D2T5	None	None
L4941BDT	L4941BDT-TR	Tape&Reel version
L4987CPT120	None	None
L4987CPT33TR	None	None
L4987CPT50TR	None	None
L7805ABD2T	L7805ABD2T-TR	Tape&Reel version
L7805ACD2T	L7805ACD2T-TR	Tape&Reel version
L7805CD2T	L7805CD2T-TR	Tape&Reel version
L7805EY	L7805ABD2T-TR* / L7805ABP* / L7805ABV* / L7805ACD2T-TR* / L7805CV* / L7805CP*	Different package and some electrical parameters
L7806ABD2T	L7806ABD2T-TR	Tape&Reel version
L7808ABD2T	L7808ABD2T-TR	Tape&Reel version
L7808ACP	L7808CP	Different Vout tolerance
L7808CD2T	L7808CD2T-TR	Tape&Reel version
L7809ABD2T	L7809CD2T-TR	Different tolerance and Temperature range
L7809ACP	L7809CP	Different Vout tolerance
L7809CD2T	L7809CD2T-TR	Tape&Reel version
L7812ABD2T	L7812ACD2T-TR	Different temperature range
L7812CD2T	L7812CD2T-TR	Tape&Reel version
L7812T	L7812CT	Different temperature range
L7815ABD2T	L7815ABD2T-TR	Tape&Reel version
L7815CD2T	L7815CD2T-TR	Tape&Reel version
L7815T	L7815CT	Different temperature range
L7818T	L7818CT	Different temperature range
L78M05ABDT	L78M05ABDT-TR	Tape&Reel version
L78M05ACDT	L78M05ACDT-TR	Tape&Reel version
L78M06CDT	L78M06CDT-TR	Tape&Reel version
L78M06CP	L78M06ABDT-TR* / L78M06CDT-TR*	Different package and some electrical parameters
L78M08ABDT	L78M08ABDT-TR	Tape&Reel version
L78M08ACDT	L78M08ACDT-TR	Tape&Reel version
L78M08CDT	L78M08CDT-TR	Tape&Reel version
L78M08CP	L78M08ABDT-TR* / L78M08CDT-TR* / L78M08ACDT-TR*	Different package and some electrical parameters
L78M09CDT	L78M09CDT-TR	Tape&Reel version
L78M10ABDT	L78L10ACUTR*	Different package and some electrical parameters
L78M10ACDT	L78L10ACUTR*	Different package and some electrical parameters
L78M10CDT	L78L10ACUTR*	Different package and some electrical parameters
L78M12ABDT	L78M12ABDT-TR	Tape&Reel version
L78M12CDT	L78M12CDT-TR	Tape&Reel version
L78M15ABDT	L78M15ABDT-TR	Tape&Reel version
L78M15CDT	L78M15CDT-TR	Tape&Reel version
L78M18ABDT	L78L18CD13TR* / L7818CV* / L78L18CD*	Different package and some electrical parameters
L78M18CDT	L78L18CD13TR* / L7818CV* / L78L18CD*	Different package and some electrical parameters
L78M24ACDT	L78M24CDT-TR	Different Vout tolerance
L78M24CDT	L78M24CDT-TR	Tape&Reel version
L7905ACD2T	L7905ACD2T-TR	Tape&Reel version
L7905CD2T	L7905CD2T-TR	Tape&Reel version
L7905ECM	L7905ACD2T-TR* / L7905ACV* / L7905CP* / L7905CV* / L7905CD2T-TR*	Different package and some electrical parameters
L7906CD2T	L79L06ABUTR* / L79L06ABZ* / L79L06ACD* / L79L06ACZ*	Different package and some electrical parameters
L7908ACD2T	L79L08ACD13TR* / L79L08ACZ*	Different package and some electrical parameters
L7912CD2T	L7912CD2T-TR	Tape&Reel version
L7915CD2T	L7915CD2T-TR	Tape&Reel version
L7920ACV	None	None
L79L15ACD	L79L15ACD13TR	Tape&Reel version

LD1084D2T15	LD1084V*	Adj version in Different Package and some electrical parameters
LD1084D2T15R	LD1084V*	Adj version in Different Package and some electrical parameters
LD1084D2T28	LD1084V*	Adj version in Different Package and some electrical parameters
LD1084D2T28R	LD1084V*	Adj version in Different Package and some electrical parameters
LD1085D2M12	LD1085D2M-R*	Adj version
LD1085D2M12R	LD1085D2M-R*	Adj version
LD1085D2M28	LD1085D2M-R*	Adj version
LD1085D2M28R	LD1085D2M-R*	Adj version
LD1085D2M50	LD1085D2M-R*	Adj version
LD1085D2T	LD1085D2T-R*	Adj version
LD1085D2T12R	LD1085D2T-R*	Adj version
LD1085D2T33	LD1085D2T33R	Tape&Reel version
LD1086D2M	LD1086D2MTR	Tape&Reel version
LD1086D2M28	LD1086D2MTR*	Adj version
LD1086D2M28TR	LD1086D2MTR*	Adj version
LD1086D2M80TR	LD1086D2MTR*	Adj version
LD1086D2T	LD1086D2TTR*	Adj version
LD1086D2T28	LD1086D2TTR*	Adj version
LD1086DT12	LD1086DTTR*	Adj version
LD1086DT18	LD1086DT18TR	Tape&Reel version
LD1086DT33	LD1086DT33TR	Tape&Reel version
LD1086V90	LD1086V*	Adj version
LD1117DC	LD1117DTC-R	Different package
LD1117DT	LD1117DTTR	Tape&Reel version
LD1117DT18C	LD1117DT18CTR	Tape&Reel version
LD1117DT25C	LD1117DT25CTR	Tape&Reel version
LD1117DT33	LD1117DT33TR	Tape&Reel version
LD1117DT33C	LD1117DT33CTR	Tape&Reel version
LD1117DT50	LD1117DT50TR	Tape&Reel version
LD1117DT50C	LD1117DT50CTR	Tape&Reel version
LD1117DTR	LD1117DTTR	Different package
LD1580K7-15R	LD1580P2T-R	Adj version in Different Package and some electrical parameters
LD1580K7-25R	LD1580P2T-R	Adj version in Different Package and some electrical parameters
LD1580K7-33R	LD1580P2T-R	Adj version in Different Package and some electrical parameters
LD1585CD2M-R	None	None
LD29150DT25	LD29150DT25R	Tape&Reel version
LD29150PT	LD29150PTR	Tape&Reel version
LD29150PT50	LD29150PT50R	Tape&Reel version
LD29150V80	LD29150DT80R* / LD29150PT80R*	Different package
LD29300V80	LD29300P2M80R*	Different Package and some electrical parameters
LD2979Z50	LD2979M50TR*	Different Package and some electrical parameters
LD49300PT08	LD49300PT08R	Tape&Reel version
LD49300PT10	LD49300PT10R	Tape&Reel version
LD49300PT12	LD49300PT12R	Tape&Reel version
LDR1833K7	None	None
LDR2533K7	None	None
LDR3318K7	None	None
LE52ABD	None	None
LE80ABD	LE80CD-TR*	Vout tolerance and Temperature range differentials

LE80ABD-TR	LE80CD-TR*	Vout tolerance and Temperature range differentials
LE80CD	LE80CD-TR	Tape&Reel version
LF15ABPT-TR	LF15ABDT-TR*	Different package
LF25ABDT	LF25ABDT-TR	Tape&Reel version
LF25ABV	LF25ABDT-TR* / LF25CPT-TR*	Different package and some electrical parameters
LF25CPT	LF25CPT-TR	Tape&Reel version
LF25CV	LF25ABDT-TR* / LF25CPT-TR*	Different package and some electrical parameters
LF27CDT-TR	None	None
LF30CDT-TR	None	None
LF30CV	None	None
LF33ABDT	LF33ABDT-TR	Tape&Reel version
LF33ABPT	LF33CPT-TR*	Vout tolerance and Temperature range differentials
LF33CDT	LF33CDT-TR	Tape&Reel version
LF35ABDT-TR	None	None
LF50ABDT	LF50ABDT-TR	Tape&Reel version
LF50ABPT	LF50ABPT-TR	Tape&Reel version
LF50CDT	LF50CDT-TR	Tape&Reel version
LF50CPT	LF50CPT-TR	Tape&Reel version
LF55CDT-TR	None	None
LF60CPT	LF60CDT-TR* / LF60ABV* / LF60CV*	Different package and some electrical parameters
LF80ABDT	LF80ABDT-TR	Tape&Reel version
LF80CDT	LF80CDT-TR	Tape&Reel version
LF85CPT	LF85CPT-TR	Tape&Reel version
LK115D30	LK115D30-TR	Tape&Reel version
LK115D33	LK115D33-TR	Tape&Reel version
LK115D50	LK115D50-TR	Tape&Reel version
LM117E1Y	LM117K* / LM117SY*	Different Package and some electrical parameters
LM117E1YM	LM117K* / LM117SY*	Different Package and some electrical parameters
LM137E1Y	LM137K* / LM137SY*	Different Package and some electrical parameters
LM137E1YM	LM137K* / LM137SY*	Different Package and some electrical parameters
LM137EY	LM137K* / LM137SY*	Different Package and some electrical parameters
LM217D2T	LM217D2T-TR	Tape&Reel version
LM217LD	LM217LD13TR	Tape&Reel version
LM217MDT	LM217MDT-TR	Tape&Reel version
LM2931AD50	LM2931AD50R	Tape&Reel version
LM2931ADT50	LM2931ADT50R	Tape&Reel version
LM2931BDT50	LM2931ADT50R*	Different Vout tolerance
LM317MDT	LM317MDT-TR	Tape&Reel version
LM317TE	LM317T	
LM723CD	LM723CN* / LM723N*	Different Package and some electrical parameters
LNBEH21PD	LNBEH21PD-TR	some electrical parameters differentials
LNBEH21PD	LNBEH21PD-TR	Tape&Reel version
LNBEH221PD	LNBEH221PD-TR	Tape&Reel version
LNBEK20D2	LNBEK20D2-TR	Tape&Reel version
LNBP20PD	LNBP20PD-TR	Tape&Reel version
LNBP21D2	LNBP21PD-TR*	Different package
LNBP21D2-TR	LNBP21PD-TR*	Different package
LNBS21PD	LNBS21PD-TR	Tape&Reel version
MC34063ABD	MC34063ABD-TR	Tape&Reel version
MC34063ACD	MC34063ABD-TR	Tape&Reel version
MC34063EBD	MC34063EBD-TR	Tape&Reel version
MC34063ECD	MC34063ECD-TR	Tape&Reel version

ST1480ABN	ST3485EBDR*	Different package and some electrical parameters
ST1L04PT	ST1L04PT-R	Tape&Reel version
ST202CD	ST202CDR	Tape&Reel version
ST202CW	ST202CWR	Tape&Reel version
ST202EAD	ST202EBDR	Different temperature range
ST202EBD	ST202EBDR	Tape&Reel version
ST202EBW	ST202EBWR	Tape&Reel version
ST202ECD	ST202ECDR	Tape&Reel version
ST202ECW	ST202EBWR	Tape&Reel version
ST207EADR	ST207ECPR*	Different package and some electrical parameters
ST207EBDR	ST207ECPR*	Different package and some electrical parameters
ST207ECDR	ST207ECPR*	Different package and some electrical parameters
ST232ABD	ST232ABDR	Tape&Reel version
ST232ABW	ST232CWR*	Different package, temperature range and some electrical parameters
ST232ACD	ST232ACDR	Tape&Reel version
ST232ACWR	ST232CWR*	Data rate differentials
ST232BD	ST232BDR	Tape&Reel version
ST232BW	ST232CWR	Different temperature range
ST232CD	ST232CDR	Tape&Reel version
ST232CW	ST232CWR	Tape&Reel version
ST232EBD	ST232EBDR	Tape&Reel version
ST232EBW	ST232CWR*	Different package, temperature range and some electrical parameters
ST232EBWR	ST232CWR*	Different package, temperature range and some electrical parameters
ST232ECD	ST232EBDR	Tape&Reel version
ST232ECW	ST232CWR*	"CWR" version is without ESD protection
ST2L01K5	None	None
ST2L01K5R	None	None
ST2L01PTR	None	None
ST2L05-1500K5	ST2L05RxxPS**	P/N on request in different package
ST2L05-1800K5	ST2L05RxxPS**	P/N on request in different package
ST2L05-1800PT	None	None
ST2L05-1825K5	ST2L05RxxPS**	P/N on request in different package
ST2L05-2500K5	ST2L05RxxPS**	P/N on request in different package
ST2L05-3300K5	ST2L05R3300PS*	Different Package and some electrical parameters
ST2L05-3318K5	ST2L05RxxPS**	P/N on request in different package
ST2L05-3325K5	ST2L05R3325PS*	Different Package and some electrical parameters
ST2L05R1500K5	ST2L05RxxPS**	P/N on request in different package
ST2L05R1800K5	ST2L05RxxPS**	P/N on request in different package
ST2L05R1825K5	ST2L05RxxPS**	P/N on request in different package
ST2L05R1825PT	None	None
ST2L05R2500K5	ST2L05RxxPS**	P/N on request in different package
ST2L05R2500PT	None	None
ST2L05R3300K5	ST2L05R3300PS*	Different Package and some electrical parameters
ST2L05R3300PT	ST2L05R3300PS*	Different package
ST2L05R3318K5	ST2L05RxxPS**	P/N on request in different package
ST2L05R3318PT	None	None
ST2L05R3325K5	ST2L05R3325PS*	Different Package and some electrical parameters
ST2L05R3325PT	ST2L05R3325PS*	Different package



ST3222BD	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3222BDR	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3222CD	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3222CDR	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3222EBD	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3222ECD	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3222ECDR	ST3222BTR* / ST3222CTR* / ST3222EBPR* / ST3222EBTR* / ST3222ECTR* / ST3222ECPR*	Different package, temperature range and some electrical parameters
ST3232BD	ST3232BDR	Tape&Reel version
ST3232BW	ST3232CWR*	Different package, temperature range and some electrical parameters
ST3232CD	ST3232CDR	Tape&Reel version
ST3232CW	ST3232CWR	Tape&Reel version
ST3232EBD	ST3232BDR*	"BDR" version is without ESD protection
ST3232EBW	ST3232CWR*	Different package, temperature range and some electrical parameters
ST3237CD	None	None
ST3237CPR	None	None
ST3237EBD	None	None
ST3237ECD	None	None
ST3237ECPR	None	None
ST3241EBDR	None	None
ST3241ECDR	None	None
ST3243CDR	ST3243EJR*	Different package, temperature range and some electrical parameters
ST3243ECD	ST3243EJR*	Different package, temperature range and some electrical parameters
ST3243ECTR	ST3243EJR*	Different package, temperature range and some electrical parameters
ST3485EBD	ST3485EBDR	Tape&Reel version
ST3485EBN	ST485BN*	"BN" version is without ESD protection
ST3485ECD	ST3485ECDR	Tape&Reel version
ST3L01K7	None	None
ST3L01K7R	None	None
ST485ACDR	ST485CDR* / ST485ECDR*	Different Data rate and ESD protection
ST485BD	ST485EBDR	Tape&Reel version with ESD protection
ST485CD	ST485ECDR	Tape&Reel version with ESD protection
ST485EBD	ST485EBDR	Tape&Reel version
ST485ECD	ST485ECDR	Tape&Reel version
ST485ERBD	ST485ERBDR	Tape&Reel version
ST485EXD	ST485EXDR	Tape&Reel version
ST485XD	ST485EXDR	Tape&Reel version with ESD protection
ST485XDR	ST485EXDR	Tape&Reel version with ESD protection
ST490ABD	ST485BDR*	Some electrical parameters differentials
ST490ACD	ST485CDR*	Some electrical parameters differentials
ST490ACDR	ST485CDR*	Some electrical parameters differentials
ST619LBD	None	None
ST662ABD	ST662ABD-TR	Tape&Reel version
ST662ACD	ST662ACD-TR	Tape&Reel version
ST735CD	None	None
ST75C176BD	ST485BDR	ST485 has more performances than ST75C176
ST75C176BDR	ST485BDR	ST485 has more performances than ST75C176
ST75C176CD	ST485BDR	ST485 has more performances than ST75C176
ST75C176CDR	ST485BDR	ST485 has more performances than ST75C176
ST763ABDTR	ST763ACDTR	Different temperature range
STLVD210BF	STLVD210BFR	Tape&Reel version
STLVD5105BD	None	None

STLVDS47BTR	STLVDS31BTR*	Some electrical parameters differentials
STLVDS9637BD	None	None
STM7E1A	STM7E1AR	Tape&Reel version
ULN2002D1	ULN2002A	Different package
ULN2003D1	ULN2003D1013TR	Tape&Reel version
ULN2004D1	ULN2004D1013TR	Tape&Reel version
ULQ2003D1	ULQ2003D1013TR	Tape&Reel version
ULQ2004D1	ULQ2004D1013TR	Tape&Reel version
ST619LBDR	None	None
ST735CD-TR	None	None
ST735SCD-TR	None	None
ST619LBN	None	None

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