



# PRODUCT TERMINATION NOTIFICATION

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PTN APM-DIS/09/4882  
Notification Date 09/16/2009

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**APM - ASD & IPAD Division**  
**Thyristors, Rectifiers, IPAD and Protection Devices**  
**Termination of low activity devices**

**PTN APM-DIS/09/4882 - Notification Date 09/16/2009**

**Table 1. Termination Implementation Schedule**

Forecasted date of STMicroelectronics 'alternative products replacement' for customer	09-Sep-2009
Last Order entry date (6 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	16-Mar-2010
Last Order delivery date (12 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	16-Sep-2010

**Table 2. Termination Identification**

Product Identification Commercial Product(s) to be terminated	Thyristors, Rectifiers, IPAD and Protection Device
Reason for termination	Rationalization of the portfolio
Alternate product(s) replacement	See attached

**Table 3. List of Attachments**

Customer Part numbers list	
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**DOCUMENT APPROVAL**

<b>Name</b>	<b>Function</b>
Paris, Eric	Division Marketing Manager
Duclos, Franck	Division Product Manager



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**APM - ASD & IPAD Division<sup>1</sup>**  
**Thyristors, Rectifiers, IPAD and Protection Devices:**  
**Termination of low activity devices**

*(1) APM: Analog, Power & MEMS Group - ASD: Application Specific Device - IPAD: Integrated Passive and Active Devices*

## **WHY THIS PRODUCT TERMINATION?**

The permanent evolution of the product family ranges sustained by the introduction of new products and the constant trend for more compact packages, rapidly make some **older products obsolete**.

With the concern of maintaining an optimal product offer with the best service, STMicroelectronics announces the termination of some **Thyristors, Rectifiers, IPAD** and **Protection Devices** for **rationalization** reason.

According to ST's termination process, the parts in end of life (EOL) have been affected a special maturity code (50) in order to **stop the delivery of samples** and consequently to avoid their use in new designs.

## **REPLACEMENT SCHEME**

**Replacement products**, whether direct or similar, are proposed whenever possible. Suggested parts for replacement are listed in **appendix 1** to the present document.

We recommend our customers to place their last time buy order for the products in termination from now on.

## **TERMS AND CONDITIONS**

- ✓ **Sampling:**  
Parts in termination are not allowed for sampling since **September 08, 2009**
- ✓ **Orders:**  
Orders for the discontinued products will be accepted until **March 16, 2010**,
- ✓ **Deliveries:**  
Products in termination will be delivered at the latest until **September 16, 2010**.
- ✓ **Contracts:**  
Discontinued products must not be included into **2010** and **further contracts**.

Appendix 1: Suggested Replacement Parts List.

## Appendix 1

### Suggested Replacement Parts List

BU*	Part in replacement	Package	Description	Suggested Part for Replacement	
				Direct**	Nearest
58	BTA04-600DRG	TO-220AB Ins	Std Triac 4A 600V 5 mA		BTA06-600TWRG
58	BTA06-400BRG	TO-220AB Ins	Std Triac 6A 400V 50 mA	BTA06-600BRG	
58	BTA06-800CRG	TO-220AB Ins	Std Triac 6A 800V 25 mA		BTA08-800CRG
58	BTA08-700CRG	TO-220AB Ins	Std Triac 8A 700V 25 mA		BTA08-700CWRG
58	BTA10-700BRG	TO-220AB Ins	Std Triac 10A 700V 50 mA		BTA10-800BWRG
58	BTA10-700CRG	TO-220AB Ins	Std Triac 10A 700V 25 mA		BTA10-800CWRG
58	BTB06-600SRG	TO-220AB	Std Triac 6A 600V 10 mA		BTB06-600SWRG
58	BTB10-600BRG	TO-220AB	Std Triac 10A 600V 50 mA		BTB10-600BWRG
58	BTB12-800BRG	TO-220AB	Std Triac 12A 800V 50 mA		BTB16-800BRG
58	BTB15-600BCERG	TO-220AB	Non standard triac		BTB16-600BRG
58	BTB16-600BRRG	TO-220AB	Non standard triac		BTB16-600BRG
58	BTW68-1000RG	TOP3 Ins	Std SCR 30A 1000V 50 mA	BTW68-1200RG	
58	FLC10-200H	IPAK	Fire Lighter 240A 200V 10µs		FLC10-200B
58	LIC01-195H	IPAK	Light Igniter 50A 195V		LIC01-215H
58	P0115DA 1AA3	TO-92	Sens. SCR 0.8A 400V 0.05 mA	P0111DA 1AA3	
58	T1630-600W	ISOWATT220AB	Snbless Triac 16A 600V 30 mA		T1620-600W
58	T410-800W	ISOWATT220AB	Snbless Triac 4A 800V 10 mA		T435-800W
58	T435-400T	TO-220AB	Snbless Triac 4A 400V 35 mA	T435-600T	
58	T435-700H	IPAK	Snbless Triac 4A 700V 35 mA	T435-800H	
58	T630-600W	ISOWATT220AB	Snbless Triac 6A 600V 30 mA		T830-800W
58	TN1625-600G	D <sup>2</sup> PAK	Std SCR 16A 600V 25 mA	TN1625-600G-TR	
58	TN615-200B6-TR	DPAK	Non standard SCR		TN815-600B-TR
58	TS420-700T	TO-220AB	Sens. SCR 4A 700V 0.2 mA		TS420-600T
58	TS820-700T	TO-220AB	Sens. SCR 8A 700V 0.2 mA		TS820-600T
58	TXN692RG	TO-220AB Ins	Std SCR 20A 600V 25 mA		TYN625RG
58	TYN1212V10RG	TO-220AB	Non standard SCR		TYN1212RG
58	TYN410RG	TO-220AB	Std SCR 10A 400V 15 mA	TYN610RG	
58	TYN608BDRG	TO-220AB	Non standard SCR		TYN610RG
58	X0402ME 1AA2	TO202-1	Sens. SCR 4A 600V 0.2 mA	X0402MF 1AA2	
58	X0403NF 1AA2	TO202-3	Sens. SCR 4A 800V 0.2 mA		X0405NF 1AA2
58	Z0103DA 1AA2	TO-92	Std Triac 1A 400V 3 mA	Z0103MA 1AA2	
58	Z0103NA 5AL2	TO-92	Std Triac 1A 800V 3 mA	Z0103NA 1AA2	
58	Z0107DA 1AA2	TO-92	Std Triac 1A 400V 5 mA	Z0107MA 1AA2	
58	Z0125MA 1DA2	TO-92	Non standard Triac		Z0125MA 1DA2
58	Z0140MA 2DL2	TO-92	Non standard Triac		Z0107MA 2AL2
78	BAS69KFILM	SOD-523	Sign Schottky 10mA 15V		None
78	BAS70-07P6FILM	SOT-666	Sign Schottky 15mA 70V dual		BAS70-04FILM
78	BAS70-09P6FILM	SOT-666	Sign Schottky 15mA 70V dual		BAS70-04FILM
78	BAT30AWFILM	SOT-323	Sign Schottky 300mA 30V dual		BAT30CWFILM
78	BAT30JFILM	SOD-323	Sign Schottky 300mA 30V		BAT30CWFILM
78	BAT30WFILM	SOT-323	Sign Schottky 300mA 30V		BAT30CWFILM
78	BAT41-07P6FILM	SOT-666	Sign Schottky 100mA 100V dual		BAT41KFILM
78	BAT41JFILM	SOD-323	Sign Schottky 100mA 100V		BAT41KFILM
78	BAT54-07P6FILM	SOT-666	Sign Schottky 300mA 30V dual		BAT54CWFILM
78	BAT54-09P6FILM	SOT-666	Sign Schottky 300mA 30V dual		BAT54SWFILM
78	BAT54ZFILM	SOD-123	Sign Schottky 300mA 30V		BAT54JFILM
78	BHK3012TV	ISOTOP	Bridge Ufast 30A 1200V		None
78	DMV1500HDFD6	TO-220FDAB bent	Damp/mod diode hi def bent		None

## Appendix 1

### Suggested Replacement Parts List

BU*	Part in replacement	Package	Description	Suggested Part for Replacement	
				Direct**	Nearest
78	DMV1500HFD	TO-220FDAB	Damper Mod 1500V Hi freq		None
78	DMV1500LFD	TO-220FDAB	Damper Mod 1500V Low freq		None
78	DMV1500MFD	TO-220FDAB	Damper Mod 1500V Med freq		None
78	DMV1500MFD5	TO-220FDAB bent	Damp/mod diode med freq bent		None
78	DMV1500SDFD	TO-220FDAB	Damper Mod 1500V Std def		None
78	DMV1500SDFD6	TO-220FDAB bent	Damp/mod diode std def bent		None
78	DTV1500LFP	TO-220FPAC	Damper Alone 1500V Low freq		None
78	DTV1500MFP	TO-220FPAC	Damper Alone 1500V Med freq		None
78	DTV1500SDFP	TO-220FPAC	Damper Alone 1500V Std def		None
78	STPS10170CB	DPAK	Pwr Schottky 2x5A 170V	STPS10170CB-TR	
78	STPS10170CT	TO-220AB	Pwr Schottky 2x5A 170V		STPS10170CR
78	STPS16170CB	DPAK	Pwr Schottky 2x8A 170V	STPS16170CB-TR	
78	STPS16170CG	D <sup>2</sup> PAK	Pwr Schottky 2x8A 170V	STPS16170CG-TR	
78	STPS16170CT	TO-220AB	Pwr Schottky 2x8A 170V		STPS16170CR
78	STPS20120CFP	TO-220FPAB	Pwr Schottky 2x10A 120V		STPS20120CT
78	STPS2045CR	I <sup>2</sup> PAK	Pwr Schottky 2x10A 45V		STPS2045CT
78	STPS2545CG	D <sup>2</sup> PAK	Pwr Schottky 2x12.5A 45V	STPS2545CG-TR	
78	STPS3045CRC-TR	I <sup>2</sup> PAK	Non standard pwr schot		STPS3045CR
78	STPS30H60CR	I <sup>2</sup> PAK	Pwr Schottky 2x15A 60V Hi Tj		STPS30H60CT
78	STPS30L60CFP	TO-220FPAB	Pwr Schottky 2x15A 60V Low Vf		STPS30L60CR
78	STPS3150	DO-201AD	Pwr Schottky 3A 150V	STPS3150RL	
78	STPS340UF	SMBFlat	Pwr Schottky 3A 40V		STPS340U
78	STPS3L60-C2	DO-201AD bent	Pwr Schottky 3A 60V Low Vf		STPS3L60RL
78	STPS40170CW	TO-247	Pwr Schottky 2x20A 170V		STPS40170CT
78	STPS41L60CG	D <sup>2</sup> PAK	Pwr Schottky 2x20A 60V Low Vf	STPS41L60CG-TR	
78	STPS41L60CR	I <sup>2</sup> PAK	Pwr Schottky 2x20A 60V Low Vf		STPS41L60CT
78	STPS5L60RL	DO-201AD	Pwr Schottky 5A 60V Low Vf	STPS5L60	
78	STPS6045CPIRG	TOP3 Ins	Pwr Schottky 2x30A 45V		STPS6045CP
78	STPS80L15CY	Max247	Pwr Schottky 2x40A 15V Low Vf		STPS80L60CY
78	STTH10R04B-TR	DPAK	Ufast Diode 10A 400V Low trr	STTH10R04B	
78	STTH10R04FP	TO-220FPAC	Ufast Diode 10A 400V Low trr		STTH10R04D
78	STTH1202FP	TO-220FPAC	Ufast Diode 12A 200V		STTH1202D
78	STTH1210FP	TO-220FPAC	Ufast Diode 12A 1000V		STTH1210D
78	STTH1210G-TR	D <sup>2</sup> PAK	Ufast Diode 12A 1000V		STTH1210D
78	STTH1212G-TR	D <sup>2</sup> PAK	Ufast Diode 12A 1200V		STTH1212D
78	STTH1512D	TO-220AC	Ufast Diode 15A 1200V		STTH1512G-TR
78	STTH15L06G-TR	D <sup>2</sup> PAK	Ufast Diode 15A 600V Low Vf		STTH15L06D
78	STTH2004SG	D <sup>2</sup> PAK	Ufast Diode 2x10A 400V PDP	STTH2004SG-TR	
78	STTH2R02QRL	DO-15	Ufast Diode 2A 200V Low trr		STTH2R02U
78	STTH30L06CG-TR	D <sup>2</sup> PAK	Ufast Diode 2x15A 600V Low Vf		STTH30L06CW
78	STTH3L06B-TR	DPAK	Ufast Diode 3A 600V Low Vf	STTH3L06B-TR	
78	STTH512B	DPAK	Ufast Diode 5A 1200V	STTH512B-TR	
78	STTH61R04TV1	ISOTOP	Ufast Diode 2x30A 400V Low trr		STTH60R04W
78	STTH806TTIF5	TO-220AB Ins bent	Non standard tandem rect		STTH806TTI
78	STTH810G	D <sup>2</sup> PAK	Ufast Diode 8A 1000V	STTH810G-TR	
78	STTH8R04FP	TO-220FPAC	Ufast Diode 8A 400V Low trr		STTH8R04D
79	EMIF02-MIC03C2	Flip-C (coated)	EMI Filter 2-line Microphone	EMIF02-MIC03F2	
79	EMIF02-USB02F2	Flip-Chip	EMI Filter 2-line USB port		EMIF02-USB01F2

## Appendix 1

### Suggested Replacement Parts List

BU*	Part in replacement	Package	Description	Suggested Part for Replacement	
				Direct**	Nearest
79	EMIF02-USB05C2	Flip-C (coated)	EMI Filter 2-line USB port	EMIF02-USB05F2	
79	EMIF08-VID01C2	Flip-C (coated)	EMI Filter 8-line for video	EMIF08-VID01F2	
80	BZW06-10B	DO-15	Transil Std 600W bi		P6KE15CA
80	BZW06-26	DO-15	Transil Std 600W uni		P6KE33A
80	BZW06-31B	DO-15	Transil Std 600W bi	P6KE36A	
80	BZW06-33BRL	DO-15	Transil Std 600W bi	P6KE39CA	
80	BZW06-40RL	DO-15	Transil Std 600W uni		P6KE56ARL
80	ESDA14V2-4BF2	Flip-Chip	Transil Array 4-line 14.2V bidir		ESDA14V2-4BF3
80	ESDALC6V1C2	Flip-C (coated)	Transil Array 4-line 6.1V LC	ESDALC6V1F2	
80	LCP3121RL	SO-8	SLIC Prot. 100A unipol.		None
80	LCP3121SRL	SO-8	Non standard protec IC		None
80	LNBTVS3-220	DO-201	Transil Std 1500W 20V LNB pwr sup.		None
80	LNBTVS4-220	DO-201	Transil Std 1800W 20V LNB pwr sup.		None
80	LNBTVS4-221	DO-201	Transil Std 2000W 20V LNB pwr sup.		None
80	P6KE7V5CA	DO-15	Transil Std 600W bi		P6KE15CA
80	SM15T6V8ASIE	SMC	Non standard transil uni		SM15T6V8A
80	SM2T14A	STmite	Transil Std 200W uni		SMM4F18A-TR
80	SM2T27A	STmite	Transil Std 200W uni		SMM4F28A-TR
80	SMP50-120	SMA	Trisil Std 50A		SMP50-130
80	SMP50-62	SMA	Trisil Std 50A		SMP50-68
80	TLP270G-1	I <sup>2</sup> PAK	Trisil IC 100A 270V tripol. TLP		SMP100LC-270 (x3)

(\*) 58 = AC Switches, 78 = Rectifiers, 79 = IPADs, 80 = Protection Devices

(\*\*) Blank = no direct replacement



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