



PRODUCT TERMINATION NOTIFICATION

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

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

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

Name	Function
Paris, Eric	Division Marketing Manager
Duclos, Franck	Division Product Manager



**PRODUCT TERMINATION
NOTIFICATION**

PTN APM-DIS/09/4882

APM - ASD & IPAD Division¹

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 ² 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 ² 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 ² PAK	Pwr Schottky 2x10A 45V		STPS2045CT
78	STPS2545CG	D ² PAK	Pwr Schottky 2x12.5A 45V	STPS2545CG-TR	
78	STPS3045CRC-TR	I ² PAK	Non standard pwr schot		STPS3045CR
78	STPS30H60CR	I ² 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 ² PAK	Pwr Schottky 2x20A 60V Low Vf	STPS41L60CG-TR	
78	STPS41L60CR	I ² 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 ² PAK	Ufast Diode 12A 1000V		STTH1210D
78	STTH1212G-TR	D ² PAK	Ufast Diode 12A 1200V		STTH1212D
78	STTH1512D	TO-220AC	Ufast Diode 15A 1200V		STTH1512G-TR
78	STTH15L06G-TR	D ² PAK	Ufast Diode 15A 600V Low Vf		STTH15L06D
78	STTH2004SG	D ² PAK	Ufast Diode 2x10A 400V PDP	STTH2004SG-TR	
78	STTH2R02QRL	DO-15	Ufast Diode 2A 200V Low trr		STTH2R02U
78	STTH30L06CG-TR	D ² 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 ² 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 ² 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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