



PRODUCT TERMINATION NOTIFICATION

PTN APM-DIS/09/4298
Notification Date 01/26/2009

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

Table 1. Termination Implementation Schedule

Forecasted date of STMicroelectronics 'alternative products replacement' for customer	19-Jan-2009
Last Order entry date (6 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	29-Jul-2009
Last Order delivery date (12 months from the notice for final shipment according to JEDEC standard JESD48-A 'Product Discontinuance')	29-Jan-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/09/4298

APM - ASD & IPAD Division¹

Thyristors, Rectifiers, IPAD and Protection Devices:

Termination of devices with low activity

(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 **January 13, 2009**
- ✓ **Orders:**
Orders for the discontinued products will be accepted until July 2009,
Last time buy: **July 29, 2009**
- ✓ **Deliveries:**
Products in termination will be delivered at the latest until January 2010.
Last ship date: **January 29, 2010**
- ✓ **Contracts:**
Discontinued products must not be included into 2009 and further contracts.

Appendix 1: Suggested Replacement Parts List.

Appendix 1

Suggested Replacement Parts List

BU	CP	Package	Description	Suggested Part for Replacement	
				Direct*	Nearest
58	ACS102-6TA	TO-92	AC Switch 0.2A 600V 5 mA	ACS102-6TA-TR	
58	ACS110-7SB2	DIP-8	AC Switch 1A 700V 10 mA		ACS110-7SN
58	ACS120-7SH	IPAK	AC Switch 2A 700V 10 mA		ACS120-7SB-TR
58	ACST4-7CH	IPAK	AC Switch 4A 700V 30 mA		ACST4-7CB-TR
58	ACST4-7SH	IPAK	AC Switch 4A 700V 10 mA		ACST4-7SB-TR
58	AVS08CBI	TO-220IT	Volt Switch Triac 5A 500V		AVS10CBI
58	BTA06-800CWRG	TO-220IT	Snbless Triac 6A 800V 35 mA		BTA06-800BWRG
58	BTB08-800CWRG	TO-220T	Snbless Triac 6A 800V 35 mA		BTB08-700BWRG
58	BTB10-600CRG	TO-220T	Std Triac 10A 600V 25 mA		BTB12-600CRG
58	BTB10-800CWRG	TO-220T	Snbless Triac 10A 800V 35 mA		BTB10-800BWRG
58	BTB12-600TWRG	TO-220T	Snbless Triac 12A 600V 5 mA		BTB12-600SWRG
58	P0102MA 1AA3	TO-92	Sens. SCR 0.8A 600V 0.2 mA		P0102DA 1AA3
58	P0102AA 1AA3	TO-92	Sens. SCR 0.8A 100V 0.2 mA	P0102DA 1AA3	
58	P0102AA 5AL3	TO-92	Sens. SCR 0.8A 100V 0.2 mA	P0102DA 5AL3	
58	P0102BA 1AA3	TO-92	Sens. SCR 0.8A 200V 0.2 mA	P0102DA 1AA3	
58	P0111DN 5AA4	SOT-223	Sens. SCR 0.8A 400V 0.025 mA		P0111MN 5AA4
58	P0111MA2AL3	TO-92	Sens. SCR 0.8A 600V 0.025 mA		P0111MA 1AA3
58	P0118DN 5AA4	SOT-223	Sens. SCR 0.8A 400V 0.005 mA		P0118DA 5AL3
58	T1205-600G	D2PAK	Snbless Triac 12A 600V 5 mA	T1205-600G-TR	
58	T1235H-600G	D2PAK	Hot Appl Triac 12A 600V 35 mA	T1235H-6G	
58	T1235H-600G-TR	D2PAK	Hot Appl Triac 12A 600V 35 mA	T1235H-6G-TR	
58	T410-800B	DPAK	Snbless Triac 4A 800V 10 mA	T410-800B-TR	
58	T810-600H	IPAK	Snbless Triac 8A 600V 10 mA		T810-600B-TR
58	T820-800W	ISOWATT220T	Snbless Triac 8A 800V 20 mA		T830-800W
58	TN1515-600B	DPAK	Std SCR 15A 600V 15 mA	TN1515-600B-TR	
58	TN805-600H	IPAK	Std SCR 8A 600V 5 mA		TN805-600B-TR
58	TYN1040RG	TO-220T	Std SCR 40A 1000V 15 mA		TYN840RG
58	Z00607DA 1BA2	TO-92	Std Triac 0.8A 400V 5 mA		Z00607MA 1BA2
58	Z0109DA 1AA2	TO-92	Std Triac 1A 400V 10 mA		Z0109MA 1AA2
58	Z0410MF 0AA2	TO-202	Std Triac 4A 600V 25 mA		Z0410MF 1AA2
78	BAS69-04WFILM	SOT-323D	Sign Schottky 10mA 15V dual		NONE
78	BAS69-05WFILM	SOT-323D	Sign Schottky 10mA 15V dual		NONE
78	BAS69-06WFILM	SOT-323D	Sign Schottky 10mA 15V dual		NONE
78	BAS69-07P6FILM	SOT-666	Sign Schottky 10mA 15V dual		NONE
78	BAS69-09P6FILM	SOT-666	Sign Schottky 10mA 15V dual		NONE
78	BAS69NFILM	SOT-723	Sign Schottky 10mA 15V		N/A
78	BAS69P3FILM	SOT-663	Sign Schottky 10mA 15V		N/A
78	BAS69WFILM	SOT-323	Sign Schottky 10mA 15V		NONE
78	BAS69YFILM	SOD-723	Sign Schottky 10mA 15V		N/A
78	BAS70FILM	SOT-23	Sign Schottky 15mA 70V		BAR18FILM
78	BAT30AFILM	SOT-23D	Sign Schottky 300mA 30V dual		BAT30KFILM
78	BAT30CFILM	SOT-23D	Sign Schottky 300mA 30V dual		BAT30KFILM
78	BAT30CWFILM	SOT-323D	Sign Schottky 300mA 30V dual		BAT30KFILM
78	BAT30FILM	SOT-23	Sign Schottky 300mA 30V		BAT30KFILM
78	BAT30SFILM	SOT-23D	Sign Schottky 300mA 30V dual		BAT30KFILM
78	BAT41AWFILM	SOT-323D	Sign Schottky 100mA 100V dual		BAT41KFILM
78	BAT41CWFILM	SOT-323D	Sign Schottky 100mA 100V dual		BAT41KFILM
78	BAT41SWFILM	SOT-323D	Sign Schottky 100mA 100V dual		BAT41KFILM
78	BAT41WFILM	SOT-323	Sign Schottky 100mA 100V		BAT41KFILM
78	BAT46AFILM	SOT-23D	Sign Schottky 150mA 100V dual		BAT46ZFILM
78	BAT46CFILM	SOT-23D	Sign Schottky 150mA 100V		BAT46ZFILM
78	BAT46FILM	SOT-23	Sign Schottky 150mA 100V		BAT46ZFILM
78	BAT46SFILM	SOT-23D	Sign Schottky 150mA 100V dual		BAT46ZFILM
78	BAT46SWFILM	SOT-323D	Sign Schottky 150mA 100V dual		BAT46ZFILM

Appendix 1

Suggested Replacement Parts List

BU	CP	Package	Description	Suggested Part for Replacement	
				Direct*	Nearest
78	DMV1500HDFD	TO-220FD	Damper Mod 1500V Hi def		DMV1500HDFD6
78	STPS1545R	I2PAK	Pwr Schottky 15A 45V	STPS1545G-TR	
78	STTH1004SB	DPAK	Ufast Diode 2x5A 400V PDP	STTH1004SB-TR	
78	STTH108RL	DO-41P	Ufast Diode 1A 800V		STTH110
78	STTH12012TV2	ISOTOP	Ufast Diode 2x60A 1200V		STTH12012TV1
78	STTH120L04TV1	ISOTOP	Ufast Diode 2x60A 400V Low Vf		STTH120L06TV1
78	STTH2002CR	I2PAK	Ufast Diode 2x10A 200V		STTH2003CR
78	STTH2002G	D2PAK	Ufast Diode 20A 200V	STTH2002G-TR	
78	STTH2004SFP	TO-220FP	Ufast Diode 2x10A 400V PDP		STTH2004FP
78	STTH2R02Q	DO-15	Ufast Diode 2A 200V Low trr	STTH2R02QRL	
78	STTH3002CR	I2PAK	Ufast Diode 2x15A 200V		STTH3002CT
78	STTH3006D	TO-220AC	Ufast Diode 30A 600V		STTH3006W
78	STTH30L06D	TO-220AC	Ufast Diode 30A 600V Low Vf		STTH30L06G-TR
78	STTH30P03SFP	TO-220FP	Ufast Diode 2x15A 300V PDP		STTH30P03SW
78	STTH30P03SW	TO-247	Ufast Diode 2x15A 300V PDP		NONE
78	STTH4R02B	DPAK	Ufast Diode 4A 200V Low trr	STTH4R02B-TR	
78	STTH4R02FP	TO-220FPAC	Ufast Diode 4A 200V Low trr		STTH4R02S
78	STTH60P02SW	TO-247	Ufast Diode 2x30A 200V PDP		STTH6002CW
78	STTH60W04SW	TO-247	Ufast Diode 2x30A 400V Weld		STTH6004W
78	STTH60W06SW	TO-247	Ufast Diode 2x30A 600V Weld		STTH6006W
78	STTH802B	DPAK	Diode Ufast 8A 200V	STTH802B-TR	
78	STTH806G	D2PAK	Ufast Diode 8A 600V	STTH806G-TR	
78	STTH8R06R	I2PAK	Ufast Diode 8A 600V Low trr		STTH8R06D
79	EMIF04-1502QCF	DFN.20.20-8L	EMI Filter 4-line LCD & Cam LC		EMIF04-1502M8
79	EMIF04-MMC02F3	CSPS0.4	EMI Filter 4-line MM Card E		EMIF04-MMC02F2
79	EMIF04-VID01C2	CSPS0.5	EMI Filter 4-line for video		EMIF06-VID01F2
79	EMIF05-MUX03F2	CSPS0.5	Non standard IPAD		N/A
80	1.5KE120ARL	DO-201AD	Transil Std 1500W uni	1.5KE120A	
80	1.5KE12ARL	DO-201AD	Transil Std 1500W uni	1.5KE12A	
80	1.5KE12CARL	DO-201AD	Transil Std 1500W bi	1.5KE12CA	
80	1.5KE15CARL	DO-201AD	Transil Std 1500W bi	1.5KE15CA	
80	1.5KE22CARL	DO-201AD	Transil Std 1500W bi	1.5KE22CA	
80	1.5KE250ARL	DO-201AD	Transil Std 1500W HV uni	1.5KE250A	
80	1.5KE36CARL	DO-201AD	Transil Std 1500W bi	1.5KE36CA	
80	1.5KE62CARL	DO-201AD	Transil Std 1500W bi	1.5KE62CA	
80	1.5KE68ARL	DO-201AD	Transil Std 1500W uni	1.5KE68A	
80	1.5KE68CARL	DO-201AD	Transil Std 1500W bi	1.5KE68CA	
80	1.5KE82ARL	DO-201AD	Transil Std 1500W uni	1.5KE82A	
80	ESDA6V1-4F2	CSPS0.5	Transil Array 4-line 6.1V unidir		ESDA6V1-4BC6
80	LCP02-150B1	SO-8W	Dual volt. SLIC prot. 30A	LCP02-150B1RL	
80	P6KE15ARL	DO-15	Transil Std 600W uni	P6KE15A	
80	P6KE18CARL	DO-15	Transil Std 600W bi	P6KE18CA	
80	P6KE24ARL	DO-15	Transil Std 600W uni	P6KE24A	
80	P6KE27ARL	DO-15	Transil Std 600W uni	P6KE27A	
80	P6KE30ARL	DO-15	Transil Std 600W uni	P6KE30A	
80	P6KE30CARL	DO-15	Transil Std 600W bi	P6KE30CA	
80	P6KE36ARL	DO-15	Transil Std 600W uni	P6KE36A	
80	P6KE39CARL	DO-15	Transil Std 600W bi	P6KE39CA	
80	SM2FT18A	DO-216AA Flat	Transil Std 200W uni		N/A
80	SM6T16A	SMB	Transil Std 600W uni		SMBJ13A-TR
80	SMAJ100A-TR	SMA	Transil Std 400W uni		SMAJ154A-TR
80	SMAJ85A-TR	SMA	Transil Std 400W uni		SMAJ154A-TR
80	SMBJ188A-TR	SMB	Transil Std 600W uni	SM6T220A	
80	SMBJ43CA-TR	SMB	Transil Std 600W bi		SMBJ48CA-TR

Appendix 1**Suggested Replacement Parts List**

BU	CP	Package	Description	Suggested Part for Replacement	
				Direct*	Nearest
80	SMCJ13A-TR	SMC	Transil Std 1500W uni	SM15T15A	
80	SMCJ70A-TR	SMC	Transil Std 1500W uni		SM15T100A
80	SMLVFT3V3	SMB Flat	Transil Std 600W LV uni		SMLVT3V3
80	SMP100MC-230	SMB	Trisil Std 100A MC		SMP100MC-270
80	SMP100MC-360	SMB	Trisil Std 100A HV MC		SMP100MC-400
80	SMP30-130	SMA	Trisil Std 30A		SMP30-180
80	SMP30-180	SMA	Trisil Std 30A		SMP30-220
80	SMP30-200	SMA	Trisil Std 30A		SMP30-220
80	SMP50-240	SMA	Trisil Std 50A		SMP50-270
80	SMP80MC-140	SMB	Trisil Std 80A MC		SMP80MC-200
80	SMP80MC-160	SMB	Trisil Std 80A MC		SMP80MC-200
80	SMP80MC-230	SMB	Trisil Std 80A MC		SMP80MC-270
80	TPA220RL	DO-15	Trisil Std 50A		TPA270RL

(*) Blank = no direct replacement

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