

Product Change Notice

Issue Date: 11th Dec 2008

Change Type:

Test Related Change: Qualify alternate contract manufacturer for Final Test process.

Parts Affected:

Selected Avago Technologies part numbers from the below product categories as detailed in Appendix A.

1. PA and PA Filter Modules
2. FBAR Filters
3. GaAs RFICs and Transistors (FET)
4. Silicon PIN Diodes and Schottky Diodes

Description and Extent of Change:

Avago Technologies Malaysia (Penang) is qualifying another CM for its test operations for the products listed in Appendix A.

With this change, the new Contract Manufacturer will be using the same testing equipments, processes and materials. All the affected products will still be manufactured according to the same electrical and physical dimension specifications as per product datasheets.

Avago Technologies will ensure that appropriate process controls and monitors are in place at the new contract manufacturer to continue providing customers with high quality products. The contract manufacturer will be given proper quality training and certified to Avago Technologies' standards of manufacturing process operations.

Reasons for Change:

Avago has revised its back-end manufacturing strategy towards enhancing manufacturing flexibility in meeting fluctuating market demand.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

The product electrical performance will remain the same. There are no changes to electrical specification, external form, fit, function, quality or reliability in the final product. The footprint will also remain the same.

Appropriate correlations and qualifications are being performed to ensure continued high quality and performance.

These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.



Effective Date of Change:

The approximate dates for sample availability, qualification completion and effective date of change for the change above are shown in Table 2 below:

Product Groups	Sample Availability	Qualification Completion	Target Date Of Change
PA and PA Filter Modules	30 Jan 2009	30 Jan 2009	2 Mar 2009
FBAR Filters	24 Dec 2008	24 Dec 2008	2 Mar 2009
GaAs RFICs and Transistors (FET)	14 Jan 2009	14 Jan 2009	2 Mar 2009
Silicon PIN Diodes and Schottky Diodes	14 Jan 2009	14 Jan 2009	2 Mar 2009

Table 2: Final Test Transfer Schedule

Mixed shipments are to be expected after the effective date of change. Timing of the shipments of the changed parts will vary depending on customer demand and inventory levels.

Qualification Data:

The products listed in Table 1 will be qualified by similarity using the qualification data from part numbers below as vehicles:

Product Family	Qualification Vehicle *
PA and PA Filter Modules	AFEM-7738
	WS1103
	ACPM-7353
FBAR Filters	ACFM-7102
	ACMD-7402
	ACPF-7003
GaAs RFICs and Transistors (FET)	MGA-565P8
	MGA-645T6
	ATF-551M4
	ALM-1412

Table 3: Qualification Vehicles

Note:

* **Silicon PIN Diodes and Schottky Diodes (all in MiniPak package) Qualification data is leveraged based on ATF-551M4 device (MiniPak package).**

* Final Test process change qualification will involve electrical correlation, ESD and COQ.

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APPENDIX A

-Affected Part Numbers

ACFM-7101-BLK	QMGA-23T6-TR1G	ALM-31122-TR1G	HMPP-3895-TR2	MGA-635T6-TR2G
ACFM-7101-BLKG	QMGA-23T6-TR2G	ALM-31122-TR2G	HMPP-389T-BLK	MGA-645T6-BLKG
ACFM-7101-SG1	QMPS-0001-BLK	ALM-31222-BLKG	HMPP-389T-TR1	MGA-645T6-SG1G
ACFM-7101-SG1G	QMPS-0001-TR1	ALM-31222-TR1G	HMPP-389T-TR2	MGA-645T6-TR1G
ACFM-7101-SG2	QMPS-0001-TR2	ALM-31222-TR2G	HMPS-2820-BLK	MGA-645T6-TR2G
ACFM-7101-TR1	QMPS-2825-SG1G	ALM-31322-BLKG	HMPS-2820-TR1	MGA-655T6-BLKG
ACFM-7101-TR1G	QMPS-9162-BLK	ALM-31322-TR1G	HMPS-2820-TR2	MGA-655T6-TR1G
ACFM-7102-BLK	QMPS-9162-TR1	ALM-31322-TR2G	HMPS-2822-BLK	MGA-655T6-TR2G
ACFM-7102-SG1	QMPS-9162-TR2	ALM-32120-BLKG	HMPS-2822-TR1	MGA-665P8-BLK
ACFM-7102-SG1G		ALM-32120-TR1G	HMPS-2822-TR2	MGA-665P8-TR1
ACFM-7102-SG2	ACPM-1403-NR1	ALM-32120-TR2G	HMPS-2825-BLK	MGA-665P8-TR2
ACFM-7102-TR1	ACPM-1403-TR1	ALM-32220-BLKG	HMPS-2825-TR1	MGA-675T6-BLKG
ACFM-7102-VA1	ACPM-7353-BLK	ALM-32220-TR1G	HMPS-2825-TR1SE	MGA-675T6-TR1G
ACFM-7103-BLK	ACPM-7353-SG1	ALM-32220-TR2G	HMPS-2825-TR2	MGA-675T6-TR2G
ACFM-7103-SG2	ACPM-7353-TR1	ALM-32320-BLKG	HSMP-386J-BLKG	MGA-685T6-BLKG
ACFM-7103-TR1	ACPM-7353-TR1G	ALM-32320-TR1G	HSMP-386J-TR1G	MGA-685T6-TR1G
ACMD-7402-BLK	ACPM-7886-BLK	ALM-32320-TR2G	HSMP-386J-TR2G	MGA-685T6-TR2G
ACMD-7402-SG1	AFEM-7738-AF1	ALM-42216-BLKG	IAM-92516-BLK	MGA-725M4-BLK
ACMD-7402-SG2	AFEM-7738-AG1	ALM-42216-TR1G	IAM-92516-TR1	MGA-725M4-TR1
ACMD-7402-SR1	AFEM-7738-BLK	ALM-42216-TR2G	IAM-92516-TR2	MGA-725M4-TR2
ACMD-7402-TR1	AFEM-7750-BLK	ALM-42316-BLKG	IAM-93516-BLK	MGA-735T6-BLKG
ACMD-7402-TR1G	AFEM-7750-TR1	ALM-42316-TR1G	IAM-93516-TR1	MGA-735T6-TR1G
ACMD-7403-BLK	AFEM-7758-AF1	ALM-42316-TR2G	IAM-93516-TR2	MGA-735T6-TR2G
ACMD-7403-SG1	AFEM-7758-BLK	ATF-331M4-BLK	MGA-12516-BLKG	MGA-785T6-BLKG
ACMD-7403-TR1	AFEM-7780-BLK	ATF-331M4-TR1	MGA-12516-TR1G	MGA-785T6-TR1G
ACMD-7404-TR1	AFEM-7780-SG1	ATF-331M4-TR2	MGA-12516-TR2G	MGA-785T6-TR2G
ACMD-7405-TR1	AFEM-7780-TR1	ATF-501P8-BLK	MGA-13516-BLKG	QALM-1412-TR1G
ACMD-7406-BLK	QFEM-7738-AF1	ATF-501P8-TR1	MGA-13516-TR1G	QALM-3106-BLKG
ACMD-7406-TR1	QFEM-7750-TR1	ATF-501P8-TR2	MGA-13516-TR2G	QALM-3106-TRIG
ACMD-7408-TR1	QFEM-7758-AF1	ATF-511P8-BLK	MGA-14516-BLKG	QALM-9001-TR1G
ACMD-7601-BLK	QFEM-7758-AG1	ATF-511P8-TR1	MGA-14516-TR1G	QFET-3001-BLK
ACMD-7601-NK1	WS1103-BLK	ATF-511P8-TR2	MGA-14516-TR2G	QFET-3001-TR1
ACMD-7601-SG1	WS1103-CR1	ATF-521P8-BLK	MGA-30116-BLKG	QFET-3001-TR2
ACMD-7601-TR1	WS1103-NR1	ATF-521P8-TR1	MGA-30116-TR1G	QFET-3002-BLK
ACMD-7601-TR1G	WS1103-SG1	ATF-521P8-TR2	MGA-30116-TR2G	QFET-3002-TR1
ACMD-7602-BLKG	WS1103-TR1	ATF-531P8-BLK	MGA-30216-BLKG	QFET-3005-BLK
ACMD-7602-SG1	WS1403-BLK	ATF-531P8-TR1	MGA-30216-TR1G	QFET-3005-TR1
ACMD-7602-TR1	WS1403-NR1	ATF-531P8-TR2	MGA-30216-TR2G	QFET-3009-BLK
ACMD-7602-TR1G	WS1403-SG1	ATF-541M4-BLK	MGA-30316-BLKG	QFET-3009-TR1
ACMD-7605-BLK	WS1403-TR1	ATF-541M4-TR1	MGA-30316-TR1G	QFET-3010-BLK
ACMD-7605-SG1	WS1403-TR1G	ATF-541M4-TR2	MGA-30316-TR2G	QFET-3010-TR1
ACMD-7605-TR1		ATF-551M4-BLK	MGA-412P8-BLKG	QFET-3013-TR1G
ACMD-7612-BLKG	ALM-1222-TR2G	ATF-551M4-TR1	MGA-412P8-TR1G	QFET-3018-TR1G
ACMD-7612-SG1	ALM-1322-BLKG	ATF-551M4-TR2	MGA-412P8-TR2G	QMGA-21T6-BLKG
ACMD-7612-TR1	ALM-1322-TR1G	HMPP-3860-BLK	MGA-425P8-BLK	QMGA-21T6-TR1G
ACMD-7612-TR1G	ALM-1322-TR2G	HMPP-3860-TR1	MGA-425P8-TR1	QMGA-21T6-TR2G

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ACPF-7002-BLK	ALM-1412-BLKG	HMPP-3860-TR2	MGA-425P8-TR2
ACPF-7002-SG1	ALM-1412-SG1G	HMPP-3862-BLK	MGA-545P8-BLK
ACPF-7002-SG1G	ALM-1412-TR1G	HMPP-3862-TR1	MGA-545P8-TR1
ACPF-7002-TR1	ALM-1612-BLKG	HMPP-3862-TR2	MGA-545P8-TR2
ACPF-7002-TR1G	ALM-1612-TR1G	HMPP-3865-BLK	MGA-565P8-BLK
ACPF-7003-BLK	ALM-1712-BLKG	HMPP-3865-TR1	MGA-565P8-TR1
ACPF-7003-TR1	ALM-1712-TR1G	HMPP-3865-TR2	MGA-565P8-TR2
ACPF-7003-TR1G	ALM-2212-BLKG	HMPP-3890-BLK	MGA-631P8-BLKG
ALM-1106-BLK	ALM-2212-TR1G	HMPP-3890-TR1	MGA-631P8-TR1G
ALM-1106-SG1G	ALM-2212-TR2G	HMPP-3890-TR2	MGA-631P8-TR2G
ALM-1106-TR1	ALM-2312-BLKG	HMPP-3892-BLK	MGA-632P8-BLKG
ALM-1106-TR2	ALM-2312-TR1G	HMPP-3892-TR1	MGA-632P8-TR1G
ALM-1222-BLKG	ALM-2812-BLKG	HMPP-3892-TR2	MGA-632P8-TR2G
ALM-1222-TR1G	ALM-2812-TR1G	HMPP-3895-BLK	MGA-635T6-BLKG
QCPF-0311-TR1	ALM-31122-BLKG	HMPP-3895-TR1	MGA-635T6-TR1G

QMGA-23T6-
BLKG

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