

Product Change Notice

Issue Date: 20th October 2010**Change Type:**

Wafer Fab related changes: Pd seed and Ion implantation Isolation

Parts Affected:

Refer to Appendix A

Description and Extent of Change:

Avago is introducing Pd seed layer and Ion implantation Isolation into the wafer process.

Reasons for Change:

This is part of Avago's continuous improvement activities. These process changes will enhance the process margin and improve the product reliability.

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

The device specification will remain the same, which will ensure product electrical performance remains the same. Appropriate electrical characterization and reliability qualification will be performed on representative products to ensure normal parametric distribution, consistent electrical performance, and reliability.

Effective Date of Change:

Product shipments using this change will begin on November 15th 2010, but initiation of the change may be spread over approximately 6 months. Timing of shipment of the changed part will vary by part number depending on customer demand, and inventory levels.

Qualification Data:

Qualification Data is as attached below.

Stress Test	Test Description	Test Point	Results
MSL verification	MSL 2A (J-STD-020D)	3x IR	0/24
HTOL	Tj =150C, Typical DC bias	500 hours	0/43
TMCL	-65/150C, 10 min dwell (JESD22-A104C)	500 cycles	0/60
ESD	Machine Model (JESD22-A115-A)	50V	Pass
	Human Body Model (JESD22-A114-C)	250V	Pass

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, 5957-0258-80 and 971-5507-82

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.

Appendix A

AMMC-2008-W10	AMMC-6232-W50	AMMP-5620-TR2G	AMMP-6429-TR1G
AMMC-2008-W50	AMMC-6233-W10	AMMP-6120-BLK	AMMP-6429-TR2G
AMMC-3040-W10	AMMC-6233-W50	AMMP-6120-TR1	AMMP-6430-BLKG
AMMC-3040-W50	AMMC-6241-W10	AMMP-6120-TR2	AMMP-6430-TR1G
AMMC-5023-W10	AMMC-6241-W50	AMMP-6130-BLKG	AMMP-6430-TR2G
AMMC-5023-W50	AMMC-6345-W10	AMMP-6130-TR1G	AMMP-6441-BLKG
AMMC-5024-W10	AMMC-6345-W50	AMMP-6130-TR2G	AMMP-6441-TR1G
AMMC-5024-W50	AMMC-6408-W10	AMMP-6220-BLK	AMMP-6441-TR2G
AMMC-5025-W10	AMMC-6408-W50	AMMP-6220-TR1	AMMP-6442-BLKG
AMMC-5025-W50	AMMC-6425-W10	AMMP-6220-TR2	AMMP-6442-TR1G
AMMC-5026-W10	AMMC-6425-W50	AMMP-6222-BLKG	AMMP-6442-TR2G
AMMC-5026-W50	AMMC-6431-W10	AMMP-6222-TR1G	AMMP-6522-BLKG
AMMC-5033-W10	AMMC-6431-W50	AMMP-6222-TR2G	AMMP-6522-TR1G
AMMC-5033-W50	AMMC-6442-W10	AMMP-6231-BLKG	AMMP-6522-TR2G
AMMC-5040-W10	AMMC-6442-W50	AMMP-6231-TR1G	AMMP-6530-BLK
AMMC-5040-W50	AMMC-6522-W10	AMMP-6231-TR2G	AMMP-6530-TR1
AMMC-5618-W10	AMMC-6522-W50	AMMP-6232-BLKG	AMMP-6530-TR2
AMMC-5618-W50	AMMC-6530-W10	AMMP-6232-TR1G	AMMP-6532-BLKG
AMMC-5620-W10	AMMC-6530-W50	AMMP-6232-TR2G	AMMP-6532-TR1G
AMMC-5620-W50	AMMC-6545-W10	AMMP-6233-BLKG	AMMP-6532-TR2G
AMMC-6120-W10	AMMC-6545-W50	AMMP-6233-TR1G	AMMP-6545-BLKG
AMMC-6120-W50	AMMP-5024-BLKG	AMMP-6233-TR2G	AMMP-6545-TR1G
AMMC-6140-W10	AMMP-5024-TR1G	AMMP-6408-BLKG	AMMP-6545-TR2G
AMMC-6140-W50	AMMP-5024-TR2G	AMMP-6408-TR1G	AMMP-6546-BLKG
AMMC-6220-W10	AMMP-5618-BLK	AMMP-6408-TR2G	AMMP-6546-TR1G
AMMC-6220-W50	AMMP-5618-TR1	AMMP-6425-BLKG	AMMP-6546-TR2G
AMMC-6222-W10	AMMP-5618-TR2	AMMP-6425-TR1G	
AMMC-6222-W50	AMMP-5620-BLKG	AMMP-6425-TR2G	
AMMC-6232-W10	AMMP-5620-TR1G	AMMP-6429-BLKG	

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