

Product Change Notice

Issue Date: 19 Jun 2014
Rev B Issue Date: 24 July 2014

Change Type:

Mechanical Specification: alternate ESD lock reel supplier

Parts Affected:

Refer to Appendix below

Description and Extent of Change:

Avago Technologies is qualifying alternate source for the above change type for the products listed in appendix.

Reasons for Change:

The new source of lock reel has the improved surface sensitivity.

Existing lock reel surface resistivity: $10^4 - 10^{11}$ ohm

New lock reel surface resistivity: $10^5 - 10^9$ ohm

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

There is no change to the mechanical specification except reel opening holes and slight color change (but within similar color range).

Reel dimension	New reel drawing
7" diameter	
13" diameter	

Effective Date of Change:

Product shipment using this change will begin on or around 19th Sept 2014. Timing of shipment of the changed part will vary by part number depending on customer demand and inventory levels.
Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change.

Qualification Data:

Test Method	Test Criteria	Result
Charge Generation (ESD S-11.21, ESD DS-11.13, EIA-541 APPENDIX B)	Teflon (0.28 nC/sq.in.)	PASS
	Quartz (0.28 nC/sq.in.)	PASS
Surface Resistance (ESD S11.11)	Between 1E4Ω to 1E11Ω	PASS

Appendix:

Affected part number list:

ACFM-2024-BLK	ACMD-6126-BLK	ACMD-7609-SE1
ACFM-2024-TR1	ACMD-6126-TR1	ACMD-7609-TR1
ACFM-2144-BLK	ACMD-7402-BLK	ACMD-7610-BLK
ACFM-2144-TR1	ACMD-7402-CO1	ACMD-7610-QC1
ACMD-4102-BLK	ACMD-7402-QC1	ACMD-7610-TR1
ACMD-4102-HP1	ACMD-7402-SPW1	ACMD-7612-BLKG
ACMD-4102-TC1	ACMD-7402-SR1	ACMD-7612-HW1
ACMD-4102-TR1	ACMD-7402-TR1	ACMD-7612-TR1
ACMD-4202-BLK	ACMD-7402-TR1G	ACMD-7612-TR1G
ACMD-4202-KC1	ACMD-7402-VRZ	ACMD-7614-BLK
ACMD-4202-TR1	ACMD-7409-BLK	ACMD-7614-DC1
ACMD-4502-BLK	ACMD-7409-QC1	ACMD-7614-QC1
ACMD-4502-TR1	ACMD-7409-SPW1	ACMD-7614-TR1
ACMD-6003-BLK	ACMD-7409-SR1	ACMD-7617-BLK
ACMD-6003-TR1	ACMD-7409-TR1	ACMD-7617-TR1
ACMD-6007-BLK	ACMD-7409-TR1G	ACPF-7025-BLK
ACMD-6007-TR1	ACMD-7409-VRZ	ACPF-7025-TR1
ACMD-6025-BLK	ACMD-7606-BLK	ACPF-7041-BLK
ACMD-6025-KC1	ACMD-7606-TR1	ACPF-7041-TR1
ACMD-6025-QC1	ACMD-7609-BLK	AGPS-C003-BLK
ACMD-6025-TR1	ACMD-7609-QC1	AGPS-C003-TR1

ACPM-1106-BLK	ACPM-5020-BLK	ACPM-5502-TC1	ACPM-7354-BLK	ACPM-9052-TR1	ACPM-9328-BLK
ACPM-1106-BR1	ACPM-5020-LG1	ACPM-5502-TR1	ACPM-7354-BR1	ACPM-9081-BLK	ACPM-9328-TR1
ACPM-1106-TR1	ACPM-5020-QR1	ACPM-5504-BLK	ACPM-7354-LR1	ACPM-9081-TR1	ACPM-9328-TR2
ACPM-2301-BLK	ACPM-5020-TR1	ACPM-5504-LT1	ACPM-7356-BG1	ACPM-920413-BLK	ACPM-9340-BLK
ACPM-2301-TR1	ACPM-5038-BLK	ACPM-5504-ST1	ACPM-7356-BLK	ACPM-920413-TR1	ACPM-9340-TR1
ACPM-2302-BLK	ACPM-5038-QR1	ACPM-5504-TR1	ACPM-7356-BR1	ACPM-920417-BLK	ACPM-9340-TR2
ACPM-2302-TR1	ACPM-5038-TR1	ACPM-5505-BLK	ACPM-7356-TR1	ACPM-920417-TR1	ACPM-9341-BLK

ACPM-2304-BLK	ACPM-5040-BLK	ACPM-5505-LT1	ACPM-9001-BLK	ACPM-920502-BLK	ACPM-9341-TR1
ACPM-2304-TR1	ACPM-5040-LG1	ACPM-5505-ST1	ACPM-9001-LT1	ACPM-920502-BR1	ACPM-9341-TR2
ACPM-2305-BLK	ACPM-5040-QR1	ACPM-5505-TR1	ACPM-9001-TR1	ACPM-920502-LT1	ACPM-9407-BLK
ACPM-2305-TR1	ACPM-5040-TR1	ACPM-5508-BLK	ACPM-9005-BLK	ACPM-920502-SD1	ACPM-9407-TR1
ACPM-2308-BLK	ACPM-5052-BLK	ACPM-5508-TR1	ACPM-9005-LT1	ACPM-920502-ST1	ACPM-9411-BLK
ACPM-2308-TR1	ACPM-5052-LR1	ACPM-5701-BLK	ACPM-9005-TR1	ACPM-920502-TR1	ACPM-9411-TR1
ACPM-5007-BLK	ACPM-5052-LT1	ACPM-5701-TR1	ACPM-9007-BLK	ACPM-920502-UR1	ACPM-9412-BLK
ACPM-5007-LG1	ACPM-5052-ST1	ACPM-5702-BLK	ACPM-9007-TR1	ACPM-9205-BLK	ACPM-9412-TR1
ACPM-5007-QR1	ACPM-5052-TR1	ACPM-5702-TR1	ACPM-9007-TR2	ACPM-9205-TR1	ACPM-9420-BLK
ACPM-5007-TR1	ACPM-5201-BLK	ACPM-5704-BLK	ACPM-9008-BLK	ACPM-920720-BLK	ACPM-9420-TR1
ACPM-5011-BLK	ACPM-5201-HP1	ACPM-5704-TR1	ACPM-9008-LT1	ACPM-920720-TR1	ACPM-9428-BLK
ACPM-5011-LG1	ACPM-5201-LC1	ACPM-5705-BLK	ACPM-9008-TR1	ACPM-924140-BLK	ACPM-9428-TR1
ACPM-5011-QR1	ACPM-5201-LR1	ACPM-5705-TR1	ACPM-9011-BLK	ACPM-924140-TR1	AFEM-7613-BLK
ACPM-5011-TR1	ACPM-5201-TD1	ACPM-5708-BLK	ACPM-9011-TR1	ACPM-9307-BLK	AFEM-7613-TR1
ACPM-5013-BLK	ACPM-5201-TG1	ACPM-5708-TR1	ACPM-9013-BLK	ACPM-9307-TR1	AJAV-5601-TR2
ACPM-5013-HP1	ACPM-5201-TR1G	ACPM-5813-BLK	ACPM-9013-TR1	ACPM-9311-BLK	WS1103-BLK
ACPM-5013-QR1	ACPM-5501-BLK	ACPM-5813-TR1	ACPM-9017-BLK	ACPM-9311-TR1	WS1103-JR1
ACPM-5013-QR2	ACPM-5501-LT1	ACPM-5817-BLK	ACPM-9017-TR1	ACPM-9313-BLK	WS1103-NR1
ACPM-5013-TR1	ACPM-5501-ST1	ACPM-5817-TR1	ACPM-9020-BLK	ACPM-9313-TR1	WS1103-TR1
ACPM-5017-BLK	ACPM-5501-TR1	ACPM-7353-BLK	ACPM-9020-TR1	ACPM-9317-BLK	WS1105-BR1
ACPM-5017-LG1	ACPM-5502-BLK	ACPM-7353-TR1	ACPM-9041-BLK	ACPM-9317-TR1	WS1105-TR1
ACPM-5017-QR1	ACPM-5502-LT1	ACPM-7353-TR1G	ACPM-9041-TR2	ACPM-9320-BLK	WS1403-BLK
ACPM-5017-TR1	ACPM-5502-ST1	ACPM-7354-BG1	ACPM-9052-BLK	ACPM-9320-TR1	WS1403-JR1
					WS1403-NR1
					WS1403-TR1
					WS1403-TR1G

AMGP-6342-BLKG	AMMP-6220-BLK	AMMP-6442-TR1G
AMGP-6342-TR1G	AMMP-6220-TR1	AMMP-6442-TR2G
AMGP-6342-TR2G	AMMP-6220-TR2	AMMP-6522-BLKG
AMGP-6434-BLKG	AMMP-6222-BLKG	AMMP-6522-TR1G
AMGP-6434-TR1G	AMMP-6222-TR1G	AMMP-6522-TR2G
AMGP-6434-TR2G	AMMP-6222-TR2G	AMMP-6530-BLK
AMGP-6445-BLKG	AMMP-6232-BLKG	AMMP-6530-TR1
AMGP-6445-TR1G	AMMP-6232-TR1G	AMMP-6530-TR2
AMGP-6445-TR2G	AMMP-6232-TR2G	AMMP-6532-BLKG
AMGP-6551-BLKG	AMMP-6233-BLKG	AMMP-6532-TR1G
AMGP-6551-TR1G	AMMP-6233-TR1G	AMMP-6532-TR2G
AMGP-6551-TR2G	AMMP-6233-TR2G	AMMP-6545-BLKG
AMGP-6552-BLKG	AMMP-6331-BLKG	AMMP-6545-TR1G
AMGP-6552-TR1G	AMMP-6331-TR1G	AMMP-6545-TR2G
AMGP-6552-TR2G	AMMP-6331-TR2G	AMMP-6546-BLKG
AMMP-5024-BLKG	AMMP-6333-BLKG	AMMP-6546-TR1G

AMMP-5024-TR1G	AMMP-6333-TR1G	AMMP-6546-TR2G
AMMP-5024-TR2G	AMMP-6333-TR2G	AMMP-6630-BLKG
AMMP-5618-BLK	AMMP-6408-BLKG	AMMP-6630-TR1G
AMMP-5618-TR1	AMMP-6408-TR1G	AMMP-6630-TR2G
AMMP-5618-TR2	AMMP-6408-TR2G	AMMP-6640-BLKG
AMMP-5620-BLKG	AMMP-6425-BLKG	AMMP-6640-TR1G
AMMP-5620-TR1G	AMMP-6425-TR1G	AMMP-6640-TR2G
AMMP-5620-TR2G	AMMP-6425-TR2G	AMMP-6650-BLKG
AMMP-6120-BLK	AMMP-6429-BLKG	AMMP-6650-TR1G
AMMP-6120-TR1	AMMP-6429-TR1G	AMMP-6650-TR2G
AMMP-6120-TR2	AMMP-6429-TR2G	QMGP-6434-BLKG
AMMP-6125-BLKG	AMMP-6430-BLKG	QMGP-6434-TR1G
AMMP-6125-TR1G	AMMP-6430-TR1G	QMGP-6434-TR2G
AMMP-6125-TR2G	AMMP-6430-TR2G	QMMP-6430-BLKG
AMMP-6130-BLKG	AMMP-6442-BLKG	QMMP-6430-TR1G
AMMP-6130-TR1G	AMMP-6442-DGW1	QMMP-6430-TR2G
AMMP-6130-TR2G	AMMP-6442-REM1	

IAM-92516-BLK	MGA-16116-BLKG	MGA-30216-BLKG	MGA-43128-BLKG
IAM-92516-TR1	MGA-16116-ERCG	MGA-30216-TR1G	MGA-43128-TR1G
IAM-92516-TR2	MGA-16116-FJT1	MGA-30216-TR2G	MGA-43428-BLKG
MGA-13116-BLKG	MGA-16116-TR1G	MGA-30316-BLKG	MGA-43428-TR1G
MGA-13116-TR1G	MGA-16216-BLKG	MGA-30316-TR1G	MGA-43528-BLKG
MGA-13516-BLKG	MGA-16216-ERCG	MGA-30316-TR2G	MGA-43528-TR1G
MGA-13516-TR1G	MGA-16216-FJT1	MGA-31716-BLKG	MGA-43728-BLKG
MGA-13516-TR2G	MGA-16216-TR1G	MGA-31716-TR1G	MGA-43728-TR1G
MGA-14516-BLKG	MGA-16316-BLKG	MGA-43003-BLKG	MGA-43828-BLKG
MGA-14516-TR1G	MGA-16316-ERCG	MGA-43003-TR1G	MGA-43828-TR1G
MGA-14516-TR2G	MGA-16316-TR1G	MGA-43013-BLKG	
	MGA-30116-BLKG	MGA-43013-TR1G	
	MGA-30116-TR1G	MGA-43040-BLKG	
	MGA-30116-TR2G	MGA-43040-TR1G	

Rev B: Additional affected part number list:

ACFM-7103-BLK	ACFM-9025-TR1	ACPF-7005-BLK	ACPM-7081-BLK
ACFM-7103-CO1	ACMD-4104-BLK	ACPF-7005-HP1	ACPM-7081-TR1
ACFM-7103-HW1	ACMD-4104-TR1	ACPF-7005-KC1	ACPM-7251-BLK
ACFM-7103-LR1	ACMD-6102-BLK	ACPF-7005-TR1	ACPM-7251-TR1
ACFM-7103-TR1	ACMD-6102-TR1	ACPF-7024-BLK	ACPM-7500-BLK
ACFM-7107-BLK	ACMD-6103-BLK	ACPF-7024-TR1	ACPM-7500-SD1
ACFM-7107-TR1	ACMD-6103-TR1	ACPF-7124-BLK	ACPM-7500-TC1
ACFM-7109-BLK	ACMD-6107-BLK	ACPF-7124-TR1	ACPM-7500-TR1
ACFM-7109-TR1	ACMD-6107-TR1	ACPF-7224-BLK	ACPM-7700-BLK
ACFM-7110-BLK	ACMD-6125-BLK	ACPF-7224-TR1	ACPM-7700-CD1
ACFM-7110-TR1	ACMD-6125-KC1	ACPF-8025-BLK	ACPM-7700-LR1
ACFM-7325-BLK	ACMD-6125-QC1	ACPF-8025-TR1	ACPM-7700-SD1
ACFM-7325-HP1	ACMD-6125-TR1	ACPF-8040-BLK	ACPM-7700-TR1
ACFM-7325-HW1	ACMD-6207-BB1	ACPF-8040-TR1	AFEM-S106-BLKG
ACFM-7325-KC1	ACMD-6207-BLK	ACPF-8125-BLK	AFEM-S106-TR1G
ACFM-7325-RM1	ACMD-6207-TR1	ACPF-8125-QC1	AFEM-S105-BLKG
ACFM-7325-TR1	ACMD-6307-BLK	ACPF-8125-TR1	AFEM-S105-TR1G
ACFM-7425-BLK	ACMD-6307-TR1	ACPF-8240-BLK	AGPS-L001-BLK
ACFM-7425-TR1	ACMD-7411-AT1	ACPF-8240-TR1	AGPS-L001-TR1
ACFM-9025-BLK	ACMD-7411-BLK	ACPM-7051-BLK	QFEM-S106-TR1G
ACFM-9025-KC1	ACMD-7411-TR1	ACPM-7051-TR1	

ALM-11036-BLKG	ALM-2412-TR1G	ALM-32120-TR2G	ATF-331M4-TR1
ALM-11036-TR1G	ALM-2506-BLKG	ALM-32220-BLKG	ATF-331M4-TR2
ALM-11136-BLKG	ALM-2506-TR1G	ALM-32220-TR1G	ATF-501P8-BLK
ALM-11136-TR1G	ALM-2506-TR2G	ALM-32220-TR2G	ATF-501P8-TR1
ALM-11236-BLKG	ALM-2712-BLKG	ALM-32320-BLKG	ATF-501P8-TR2
ALM-11236-TR1G	ALM-2712-TR1G	ALM-32320-TR1G	ATF-511P8-BLK
ALM-12124-BLKG	ALM-2812-BLKG	ALM-32320-TR2G	ATF-511P8-TR1
ALM-12124-TR1G	ALM-2812-TR1G	ALM-38140-BLKG	ATF-511P8-TR2
ALM-12224-BLKG	ALM-3012-BLK	ALM-38140-HW1	ATF-521P8-BLK
ALM-12224-TR1G	ALM-3012-TR1	ALM-38140-TR1G	ATF-521P8-TR1
ALM-1412-BLKG	ALM-31122-BLKG	ALM-40220-BLKG	ATF-521P8-TR2
ALM-1412-QC1	ALM-31122-TR1G	ALM-40220-TR1G	ATF-531P8-BLK
ALM-1412-SE1G	ALM-31122-TR2G	ALM-80110-BLKG	ATF-531P8-TR1
ALM-1412-TR1G	ALM-31222-BLKG	ALM-80110-TR1G	ATF-531P8-TR2
ALM-1612-BLKG	ALM-31222-TR1G	ALM-80210-BLKG	ATF-541M4-BLK
ALM-1612-TR1G	ALM-31222-TR2G	ALM-80210-TR1G	ATF-541M4-TR1
ALM-1712-BLKG	ALM-31322-BLKG	ALM-81224-BLKG	ATF-541M4-TR2
ALM-1712-TR1G	ALM-31322-TR1G	ALM-81224-TR1G	ATF-551M4-BLK
ALM-1812-BLKG	ALM-31322-TR2G	QALM-3106-BLKG	ATF-551M4-TR1
ALM-1812-TR1G	ALM-32120-BLKG	QALM-3106-TR1G	ATF-551M4-TR2

ALM-2412-BLKG	ALM-32120-TR1G	ATF-331M4-BLK
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HMPP-3860-BLK	HSMP-386J-BLKG	MGA-24106-TR1G	MGA-633P8-TR1G	MGA-685T6-BLKG
HMPP-3860-TR1	HSMP-386J-TR1G	MGA-24106-TR2G	MGA-633P8-TR2G	MGA-685T6-TR1G
HMPP-3860-TR2	HSMP-386J-TR2G	MGA-30216-BLKG	MGA-634P8-BLKG	MGA-685T6-TR2G
HMPP-3862-BLK	IAM-92516-BLK	MGA-30216-TR1G	MGA-634P8-TR1G	MGA-725M4-BLK
HMPP-3862-TR1	IAM-92516-TR1	MGA-30216-TR2G	MGA-635T6-BLKG	MGA-725M4-TR1
HMPP-3862-TR2	IAM-92516-TR2	MGA-30316-BLKG	MGA-635T6-TR1G	MGA-725M4-TR2
HMPP-3865-BLK	MGA-13216-BLKG	MGA-30316-TR1G	MGA-635T6-TR2G	MGA-785T6-BLKG
HMPP-3865-TR1	MGA-13216-TR1G	MGA-30316-TR2G	MGA-635P8-BLKG	MGA-785T6-TR1G
HMPP-3865-TR2	MGA-13216-TR2G	MGA-412P8-BLKG	MGA-635P8-TR1G	MGA-785T6-TR2G
HMPP-3890-BLK	MGA-13316-BLKG	MGA-412P8-TR1G	MGA-636P8-BLKG	QALM-9001-TR1G
HMPP-3890-TR1	MGA-13316-TR1G	MGA-412P8-TR2G	MGA-636P8-TR1G	QFET-3002-BLK
HMPP-3890-TR2	MGA-13516-BLKG	MGA-425P8-BLK	MGA-637P8-BLKG	QFET-3002-TR1
HMPP-3892-BLK	MGA-13516-TR1G	MGA-425P8-TR1	MGA-637P8-TR1G	QFET-3005-BLK
HMPP-3892-TR1	MGA-13516-TR2G	MGA-425P8-TR2	MGA-638P8-BLKG	QFET-3005-TR1
HMPP-3892-TR2	MGA-14516-BLKG	MGA-43228-BLKG	MGA-638P8-TR1G	QFET-3009-BLK
HMPP-3895-BLK	MGA-14516-TR1G	MGA-43228-TR1G	MGA-645T6-BLKG	QFET-3009-TR1
HMPP-3895-TR1	MGA-14516-TR2G	MGA-43328-BLKG	MGA-645T6-TR1G	QFET-3010-BLK
HMPP-3895-TR2	MGA-16516-BLKG	MGA-43328-TR1G	MGA-645T6-TR2G	QFET-3010-TR1
HMPP-389T-BLK	MGA-16516-TR1G	MGA-545P8-BLK	MGA-655T6-BLKG	QFET-3013-TR1G
HMPP-389T-TR1	MGA-17516-BLKG	MGA-545P8-TR1	MGA-655T6-TR1G	QFET-3028-TR1
HMPP-389T-TR2	MGA-17516-TR1G	MGA-545P8-TR2	MGA-655T6-TR2G	QMGA-0031-TR1G
HMPS-2820-BLK	MGA-23003-BLKG	MGA-565P8-BLK	MGA-665P8-BLK	QMGA-0032-TR1G
HMPS-2820-TR1	MGA-23003-TR1G	MGA-565P8-TR1	MGA-665P8-TR1	QMGA-21T6-BLKG
HMPS-2820-TR2	MGA-231T6-BLKG	MGA-565P8-TR2	MGA-665P8-TR2	QMGA-21T6-TR1G
HMPS-2822-BLK	MGA-231T6-QC1	MGA-631P8-BLKG	MGA-675T6-BLKG	QMGA-21T6-TR2G
HMPS-2822-TR1	MGA-231T6-SC1	MGA-631P8-TR1G	MGA-675T6-TR1G	QMGA-23T6-BLKG
HMPS-2822-TR2	MGA-231T6-SC2	MGA-631P8-TR2G	MGA-675T6-TR2G	QMGA-23T6-TR1G
HMPS-2825-BLK	MGA-231T6-SE1	MGA-632P8-BLKG	MGA-683P8-BLKG	QMGA-23T6-TR2G
HMPS-2825-TR1	MGA-231T6-TR1G	MGA-632P8-TR1G	MGA-683P8-TR1G	QMGA-412P8-TR1G
HMPS-2825-TR1SE	MGA-231T6-TR2G	MGA-632P8-TR2G	MGA-684P8-BLKG	QMGA-655T6-HW1
HMPS-2825-TR2	MGA-24106-BLKG	MGA-633P8-BLKG	MGA-684P8-TR1G	QMPS-0001-BLK
				QMPS-0001-TR1
				QMPS-0001-TR2

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.