



Product/Process Change Notice - PCN 09_0003 Rev. -

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

This notice is to inform you of a change that will be made to certain ADI products (see Material Report). Any issues with this PCN or requirements to qualify the change (additional data or samples) must be sent to ADI within 30 days of receiving this notification. The information contained within this PCN is considered proprietary and should not be shared outside of your company. ADI contact information is listed below.

PCN Title: Replacement of Microsemi diode (6.3V / 6.4V) with an equivalent assembly for 3B,6B and 7B models and their derivatives.

Publication Date: 30-Jan-2009

Samples Available Date: not applicable

Effectivity Date: 14-May-2009 *(the earliest date that a customer could expect to receive changed material)*

Description Of Change

Custom 6.3V and 6.4V Zener diodes from Microsemi will be replaced by an equivalent PCB assembly alternative device which utilizes two ADI components, namely the ADR550BKS and the ADR1581BRTZ. Both the standard part and the alternative PCB device are through hole components and no additional assembled product substrate or component changes will be required.

Reason For Change

Increased raw material availability.

Impact of the change (positive or negative) on fit, form, function & reliability

There will be no change to the product fit, form, electrical performance or product reliability

Product Identification *(this section will describe how to identify the changed material)*

Earliest possible date code is 0920.

Summary of Supporting Information

Representative samples from the 7B family were used as the qualification vehicle per the attached qualification plan. Qualification test results are attached.

Supporting Documents

Attachment 1: ADI_PCN_09_0003_Rev_-_Diode Assy Evaln Plan.pdf

Attachment 2: ADI_PCN_09_0003_Rev_-_diode equivalent qualification summary.pdf

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

Americas:	PCN_Americas@analog.com	Europe:	PCN_Europe@analog.com	Japan:	PCN_Japan@analog.com
				Rest of Asia:	PCN_ROA@analog.com

Appendix A - Affected ADI Models

Added Parts On This Revision - Product Family / Model Number (365)

18630 / 18630-1	18630 / 18630-2	18631 / 18631-1	18634 / 18614-1	18634 / 18614-2	18634 / 18614-3
18634 / 18634-1	18634 / 18634-2	18634 / 18634-6	18734 / 18734-1-01	18734 / 18734-1-02	18734 / 18734-1-03
18734 / 18734-1-04	18734 / 18734-1-05	18734 / 18734-1-06	18734 / 18734-1-07	18734 / 18734-2-01	18734 / 18734-2-02
18734 / 18734-2-03	18734 / 18734-2-04	18734 / 18734-2-05	18734 / 18734-2-06	18734 / 18734-2-07	18734 / 18734-3-01
18737 / 18737-B-01	18737 / 18737-E-01	18737 / 18737-E-02	18737 / 18737-E-03	18737 / 18737-E-04	18737 / 18737-J-01
18737 / 18737-J-02	18737 / 18737-J-03	18737 / 18737-J-04	18737 / 18737-J-05	18737 / 18737-J-06	18737 / 18737-K-01
18737 / 18737-K-02	18737 / 18737-K-03	18737 / 18737-K-04	18737 / 18737-K-05	18737 / 18737-K-06	18737 / 18737-K-07
18737 / 18737-R-01	18737 / 18737-R-02	18737 / 18737-R-03	18737 / 18737-S-01	18737 / 18737-S-02	18737 / 18737-S-03
18737 / 18737-T-01	18830 / 18830-05-2	18834 / 18834-10-2	18834 / 18834-11-2	18837 / 18837-10-2	18837 / 18837-11-2
18837 / 18837-12-2	3B16 / 3B16-00	3B16 / 3B16-01	3B16 / 3B16-CUSTOM	3B17 / 3B17-00	3B17 / 3B17-01
3B17 / 3B17-02	3B17 / 3B17-03	3B17 / 3B17-04	3B17 / 3B17-CUSTOM	3B17 / 3B17-D-00	3B17 / 3B17-D-01
3B17 / 3B17-D-02	3B17 / 3B17-D-04	3B18 / 3B18-00	3B18 / 3B18-01	3B18 / 3B18-02	3B18 / 3B18-CUSTOM
3B20 / 3B20-00	3B20 / 3B20-01	3B20 / 3B20-CUSTOM	3B30 / 3B30-00	3B30 / 3B30-01	3B30 / 3B30-02
3B30 / 3B30-03	3B30 / 3B30-CUSTOM	3B31 / 3B31-00	3B31 / 3B31-01	3B31 / 3B31-02	3B31 / 3B31-03
3B31 / 3B31-CUSTOM	3B32 / 3B32-00	3B32 / 3B32-01	3B32 / 3B32-02	3B32 / 3B32-CUSTOM	3B34 / 3B34-00
3B34 / 3B34-01	3B34 / 3B34-02	3B34 / 3B34-03	3B34 / 3B34-04	3B34 / 3B34-C-00	3B34 / 3B34-C-01
3B34 / 3B34-C-02	3B34 / 3B34-C-CUSTOM	3B34 / 3B34-CUSTOM	3B34 / 3B34-N-00	3B34 / 3B34-N-01	3B34 / 3B34-N-CUSTOM
3B37 / 18032-1	3B37 / 3B37-B-06	3B37 / 3B37-CUSTOM	3B37 / 3B37-E-04	3B37 / 3B37-J-01	3B37 / 3B37-K-02
3B37 / 3B37-R-05	3B37 / 3B37-S-05	3B37 / 3B37-T-03	3B37 / 3B37-X-00	3B41 / 3B41-00	3B41 / 3B41-01
3B41 / 3B41-02	3B41 / 3B41-03	3B41 / 3B41-CUSTOM	3B42 / 3B42-00	3B42 / 3B42-01	3B42 / 3B42-02
3B42 / 3B42-CUSTOM	3B43 / 3B43-00	3B43 / 3B43-01	3B43 / 3B43-CUSTOM	3B44 / 3B44-00	3B44 / 3B44-01
3B44 / 3B44-02	3B44 / 3B44-CUSTOM	3B45 / 3B45-00	3B45 / 3B45-01	3B45 / 3B45-02	3B45 / 3B45-CUSTOM
3B46 / 3B46-00	3B46 / 3B46-01	3B46 / 3B46-02	3B46 / 3B46-03	3B46 / 3B46-CUSTOM	3B47 / 3B47-B-11
3B47 / 3B47-CUSTOM	3B47 / 3B47-E-08	3B47 / 3B47-J-01	3B47 / 3B47-J-02	3B47 / 3B47-J-03	3B47 / 3B47-K-04
3B47 / 3B47-K-05	3B47 / 3B47-R-09	3B47 / 3B47-S-10	3B47 / 3B47-T-06	3B47 / 3B47-T-07	6B11G / 6B11
6B11G / 6B11-NI	6B11G / 6B11HV	6B11G / OM6-TC	6B12G / 6B12	6B12G / 6B12-NI	6B12G / 6B12HV
6B12G / OM6-V	6B13G / 6B13	6B13G / 6B13-NI	6B13G / 6B13HV	6B13G / OM6-RTD	6B21G / 6B21
6B21G / 6B21-NI	6B21G / OM6-AO	7B14 / 18097	7B14 / 18914-10	7B14 / 18914-11	7B14 / 18914-12
7B14 / 18914-13	7B14 / 18914-14	7B14 / 18914-15	7B14 / 18914-20	7B14 / 18914-21	7B14 / 18914-22
7B14 / 18914-23	7B14 / 18914-24	7B14 / 18914-25	7B14 / 18914-C-10	7B14 / 7B14-01-1	7B14 / 7B14-01-2
7B14 / 7B14-02-1	7B14 / 7B14-02-2	7B14 / 7B14-03-1	7B14 / 7B14-03-2	7B14 / 7B14-04-1	7B14 / 7B14-04-2
7B14 / 7B14-05-1	7B14 / 7B14-05-2	7B14 / 7B14-C-02-1	7B14 / 7B14-C-02-2	7B14 / 7B14-N-01-1	7B14 / 7B14-N-01-2
7B14 / 7B14-N-02-1	7B14 / 7B14-N-02-2	7B27 / 18957-B-17	7B27 / 18957-E-16	7B27 / 18957-J-10	7B27 / 18957-J-11
7B27 / 18957-K-12	7B27 / 18957-K-13	7B27 / 18957-R-14	7B27 / 18957-S-18	7B27 / 18957-T-15	7B27 / 7B27-B-07-1
7B27 / 7B27-B-07-2	7B27 / 7B27-E-04-1	7B27 / 7B27-E-04-2	7B27 / 7B27-J-01-1	7B27 / 7B27-J-01-2	7B27 / 7B27-J-10-1
7B27 / 7B27-J-10-2	7B27 / 7B27-J-11-1	7B27 / 7B27-J-11-2	7B27 / 7B27-J-12-1	7B27 / 7B27-J-12-2	7B27 / 7B27-J-13-1
7B27 / 7B27-J-13-2	7B27 / 7B27-K-02-1	7B27 / 7B27-K-02-2	7B27 / 7B27-K-20-1	7B27 / 7B27-K-20-2	7B27 / 7B27-K-21-1
7B27 / 7B27-K-21-2	7B27 / 7B27-K-22-1	7B27 / 7B27-K-22-2	7B27 / 7B27-K-23-1	7B27 / 7B27-K-23-2	7B27 / 7B27-R-05-1
7B27 / 7B27-R-05-2	7B27 / 7B27-S-06-1	7B27 / 7B27-S-06-2	7B27 / 7B27-T-03-1	7B27 / 7B27-T-03-2	7B30 / 18101X
7B30 / 18102X	7B30 / 18103X	7B30 / 18400-1	7B30 / 18930-10	7B30 / 18930-11	7B30 / 7B30-01-1
7B30 / 7B30-01-2	7B30 / 7B30-02-1	7B30 / 7B30-02-2	7B30 / 7B30-03-1	7B30 / 7B30-03-2	7B30 / 7B30-05-1
7B30 / 7B30-05-2	7B30 / 7B30-06-1	7B30 / 7B30-06-2	7B30 / 7B30-07-1	7B30 / 7B30-07-2	7B30 / 7B30-08-1
7B30 / 7B30-08-2	7B30 / 7B30-09-1	7B30 / 7B30-09-2	7B30 / 7B30-CUSTOM	7B30 / IOS/SAMPLE	7B31 / 18400-2
7B31 / 18931-10	7B31 / 7B31-01-1	7B31 / 7B31-01-2	7B31 / 7B31-02-1	7B31 / 7B31-02-2	7B31 / 7B31-03-1
7B31 / 7B31-03-2	7B31 / 7B31-04-1	7B31 / 7B31-04-2	7B31 / 7B31-05-1	7B31 / 7B31-05-2	7B31 / 7B31-06-1
7B31 / 7B31-06-2	7B31 / 7B31-07-1	7B31 / 7B31-07-2	7B31 / 7B31-08-1	7B31 / 7B31-08-2	7B34 / 18234-1
7B34 / 18234-2	7B34 / 18634-7	7B34 / 18634-8	7B34 / 7B34-01-1	7B34 / 7B34-01-2	7B34 / 7B34-02-1
7B34 / 7B34-02-2	7B34 / 7B34-03-1	7B34 / 7B34-03-2	7B34 / 7B34-04-1	7B34 / 7B34-04-2	7B34 / 7B34-05-1
7B34 / 7B34-05-2	7B34 / 7B34-C50-01-1	7B34 / 7B34-C50-02-1	7B34 / 7B34-C50-06-1	7B34 / 7B34-CUSTOM	7B34 / 7B34-N-01-1
7B34 / 7B34-N-01-2	7B34 / 7B34-N-02-1	7B34 / 7B34-N-02-2	7B37 / 18637-J-01	7B37 / 18937-B-17	7B37 / 18937-E-16
7B37 / 18937-J-10	7B37 / 18937-J-11	7B37 / 18937-K-12	7B37 / 18937-K-13	7B37 / 18937-R-14	7B37 / 18937-S-18
7B37 / 18937-T-15	7B37 / 7B37-B-07-1	7B37 / 7B37-B-07-2	7B37 / 7B37-CUSTOM	7B37 / 7B37-E-04-1	7B37 / 7B37-E-04-2
7B37 / 7B37-J-01-1	7B37 / 7B37-J-01-2	7B37 / 7B37-J-10-1	7B37 / 7B37-J-10-2	7B37 / 7B37-J-11-1	7B37 / 7B37-J-11-2
7B37 / 7B37-J-12-1	7B37 / 7B37-J-12-2	7B37 / 7B37-J-13-1	7B37 / 7B37-J-13-2	7B37 / 7B37-K-02-1	7B37 / 7B37-K-02-2
7B37 / 7B37-K-20-1	7B37 / 7B37-K-20-2	7B37 / 7B37-K-21-1	7B37 / 7B37-K-21-2	7B37 / 7B37-K-22-1	7B37 / 7B37-K-22-2
7B37 / 7B37-K-23-1	7B37 / 7B37-K-23-2	7B37 / 7B37-R-05-1	7B37 / 7B37-R-05-2	7B37 / 7B37-S-06-1	7B37 / 7B37-S-06-2
7B37 / 7B37-T-03-1	7B37 / 7B37-T-03-2	7B47 / 18247-E1	7B47 / 18247-J1	7B47 / 18247-K1	7B47 / 18247-T1

7B47 / 7B47-B-10-1	7B47 / 7B47-B-10-2	7B47 / 7B47-CUSTOM	7B47 / 7B47-E-07-1	7B47 / 7B47-E-07-2	7B47 / 7B47-J-01-1
7B47 / 7B47-J-01-2	7B47 / 7B47-J-02-1	7B47 / 7B47-J-02-2	7B47 / 7B47-K-03-1	7B47 / 7B47-K-03-2	7B47 / 7B47-K-04-1
7B47 / 7B47-K-04-2	7B47 / 7B47-N-11-1	7B47 / 7B47-N-11-2	7B47 / 7B47-R-08-1	7B47 / 7B47-R-08-2	7B47 / 7B47-S-09-1
7B47 / 7B47-S-09-2	7B47 / 7B47-T-05-1	7B47 / 7B47-T-05-2	7B47 / 7B47-T-06-1	7B47 / 7B47-T-06-2	

Appendix B - Revision History

Rev	Publish Date	Rev Description
Rev. -	30-Jan-2009	Initial Release

Analog Devices, Inc.

DocId:615 Parent DocId:None