

ECN #

1004

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## ENGINEERING CHANGE NOTE:

ECN #:

1004

**ASSEMBLY:** BMW4081B-C**NEW ASSEMBLY:** BMW4081B-D**CURRENT REV:** C**NEW REV:** D**DESCRIPTION:** MW4- AI1 Analog Input Card**DATE:** 3/02/2004**REASON FOR CHANGE:**

- |  |  |                                       |                                      |
|--|--|---------------------------------------|--------------------------------------|
| <input type="radio"/> Safety Issue                   | <input type="radio"/> UL Compliance Issue  | <input type="radio"/> New Feature     | <input type="radio"/> Cost Reduction |
| <input checked="" type="radio"/> Bug Fix             | <input type="radio"/> EMC Compliance Issue | <input type="radio"/> Quality Issue   |                                      |
| <input checked="" type="radio"/> Reliability Reasons | <input type="radio"/> Software Change      | <input type="radio"/> Cosmetic Change |                                      |

If an AI1 card is fitted in a Mini Rack, it could fail to power up correctly causing noise on analog inputs.

**COMPATIBILITY MAINTAINED:** Yes**DETAILS OF CHANGE:**

1. Fit a diode, Fairlight Part No. SDK0492 across capacitor C1  
The cathode (striped end) connects to the capacitor +ve.  
Refer to attached photograph.  
SDK0492 is a 30V/40V 1A Schottky diode type SB130 or SB140.  
Farnell part numbers: 518-141 or 518-189 or 330-7803

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NOTE TO SUBCONTRACTORS: Implement this ECN on all future production

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NOTE TO PRODUCTION: MODIFY ALL CURRENT STOCK AND WIP.

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NOTE TO FIELD SERVICE: Implement this ECN on all AI1 cards which are fitted to Mini Racks.

**SIGNATURES:****Engineer:****Implementor:****Date:****Operations Manager:**