

ECN # 439

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**ENGINEERING CHANGE NOTE:**

ECN #:

439

ASSEMBLY: BMW4101**DESCRIPTION:** MW4-SIO1 Sync I/O 1 Card**New Assembly:** BMW4101C-E**DATE:** 08/11/01**Current Assy Rev:** D**Current Schematic Rev:****New Assy Rev:** E**New Schematic Rev:**☐ CMS BOMs Updated☐ Excel BOMs Updated☐ Subcontractor Records Updated**Compatibility Maintained:** Yes**IMPLEMENTATION INFORMATION:**☐ Safety Issue☐ UL Compliance Issue☐ New Feature☐ Cost Reduction☐ Bug Fix☐ EMC Compliance Issue☐ Quality Issue☒ Reliability Reasons☐ Software Change☐ Cosmetic Change**REASON FOR CHANGE:**

Crystal X1 is failing to oscillate on some SIO1 cards. This causes a Buss Error when accessing the Sony 9-pin port A.

DETAILS OF CHANGE:

1. Remove 15pF Capacitor C14 (CCD7587)

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2. Re-label the Board revision so that the full label reads: BMW4101C-E

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NOTE TO SUBCONTRACORS: Implement this ECN to all work in progress.

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NOTE TO PRODUCTION: Implement this ECN to all stock and work in progress.

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NOTE TO FIELD SERVICE: If buss error occurs accessing the Sony 9-pin port A implement this ECN. Also, implement on all cards that return for service.