

**ENGINEERING CHANGE NOTE:**

ECN #: 437.1

**ASSEMBLY:** BMW4011**DESCRIPTION:** MW4-PXY CPU CARD**New Assembly:****DATE:** 08/11/01**Current Assy Rev:** U1**Current Schematic Rev:** 5.14**New Assy Rev:** V**New Schematic Rev:** 6.0

NOTE: THIS ECN REPLACES ECN437 BECAUSE OF ERROR IN SOLDER BLOB REFERENCES Details (Line Item 6). THIS ECN DOES NOT AFFECT PCB-s REV 5 AND LOWER. THERE ARE NO FUNCTIONAL CHANGES TO THE BOARD.

☐ CMS BOMs Updated    ☐ Excel BOMs Updated    ☐ Subcontractor Records Updated    **Compatibility Maintained:** Yes

**IMPLEMENTATION INFORMATION:**

- |  |  |  |   |
|--|--|--|---|
| <input type="radio"/> Safety Issue                   | <input type="radio"/> UL Compliance Issue  | <input checked="" type="radio"/> New Feature     | <input checked="" type="radio"/> Cost Reduction |
| <input 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 checked="" type="radio"/> Cosmetic Change |   |

**REASON FOR CHANGE:**

1. Introduction of Rev 6 (Rev F) PCB which incorporates all ECN-s applied to Rev 5 board.
2. Value changes of R95 and R96 and routing and layer changes of some clocks reduces EMI level.
3. Introduction of a new method of machine readable modification levels: different resistor configurations used on Rev 5 have been replaced by the selective application of solder blobs in a binary code.

**DETAILS OF CHANGE:**

1. Blank PCB Rev 5 (BMW4011E) replaced with PCB Rev 6 (BMW4011F).
2. Card Revision Resistors R128, R134, R137 and R138 are now permanently loaded.
3. Card Revision Resistors R127, R133, R135 and R136 are permanently removed.
4. Resistors R95 and R96 value changed from 0R to 33R.
5. Two 3-Pin Headers (JMH0272) and two Shorting Plugs (JMJ6765) added to locations J25 and J26.
6. Apply Solder Blobs across the pads of SB1, SB2, SB3 and SB4.
7. Label the Card with the Part Number and Revision label that reads: BMW4011F-V.

NOTE TO SUBCONTRACTORS: No effect on WIP. Production Documentation and Costing to be updated.

NOTE TO PRODUCTION: No effect on Stock or WIP.

NOTE TO THE FIELD SERVICE: No action required.