

**ENGINEERING CHANGE NOTE:**

ECN #:

391

**ASSEMBLY:** BMW4001C**DESCRIPTION:** MW4-BPR Backplane**New Assembly:****DATE:** 19/10/00**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:**

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

**REASON FOR CHANGE:**

JP3 & JP6 need to be changed to right angle connectors.

It is desirable if the ESR of the 22u tantalum bypass caps is less than or equal to 0.3 ohms (300m ohms). The Fairlight part CTD5926 will now be redefined to this spec. A new part CTD5889 has also been defined as an alternative to this part with an ESR of <= 0.6 ohms, this part is only to be used if absolutely necessary.

Removal of some unused pin headers.

**DETAILS OF CHANGE:**

1. Hand solder the 5 PIN R/A connector JMH7816 (Farnell 146-694) to position JP6 on the same side as the power connectors. The connector pins must be facing to the left. Refer to attached drawing.
2. Hand solder the 2 PIN R/A connector JMH4668 (Farnell 146-691) to position JP3. JP3 has 4 holes, use only the two righthand side holes (pins 1 and 2). The connector pins must be facing to the left. Refer to attached drawing.
3. The ESR of the Fairlight part CTD5926 is now defined to be <= 0.3 ohms.
4. JP1, JP2, JP4, JP5, JP7, JP8 can be removed from new build.

Place a assembly revision label on the card, marked "E", after the blank Rev 3 PCB P/N so it reads as " BMW4001C-E".