

ECN # 408

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**ENGINEERING CHANGE NOTE:**

ECN #:

408

ASSEMBLY: BMW4011E**DESCRIPTION:** MW4-PXY CPU CARD**New Assembly:****DATE:** 13/02/01**Current Assy Rev:** S**Current Schematic Rev:** 5.12**New Assy Rev:** T**New Schematic Rev:** 5.13

THIS ECN IS ESSENTIAL FOR RELIABLE OPERATION OF THE SYSTEM.

☐ 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:

Two tracks are missing on Rev 4 & 5 PCB-s: to U22/B8 (XDIO_CLK) and U22/B13 (YDIO_CLK). This can cause intermittent faults and potentially affect all writes to the IO devices from PX and PY. Observed faults include (but not limited to) PY not starting correctly.

DETAILS OF CHANGE:

1. Connect U57/14 to U57/12.
2. Connect U62/14 to U62/12.
3. Place revision resistors (all 10k - RMD8573, 0.125W, 1%, 0603) as follows: R127 - Omit
R128 - 10k
R133 - 10k
R134 - Omit
R135 - Omit
R136 - Omit
R137 - 10k
R138 - 10k
4. Place a assembly revision label on the card, marked "T", after the blank Rev 5 PCB P/N so it reads as "BMW4011E-T"

NOTE TO SUBCONTRACTORS: This ECN applies to all boards in WIP.

NOTE TO PRODUCTION: This ECN applies to all boards in WIP.

NOTE TO FIELD SERVICE: All Rev 5 (E) PXY-s in service should be modified at the first opportunity.

HW or Project Engineer _____ R&D Manager _____