

**ENGINEERING CHANGE NOTE:**

ECN #:

449

ASSEMBLY: BMW4011**DESCRIPTION:** MW4-PXY CPU CARD**New Assembly:****DATE:** 04/03/02**Current Assy Rev:** V**Current Schematic Rev:** 6.0**New Assy Rev:** W or W1**New Schematic Rev:** 6.1

NOTE: THIS ECN APPLIES TO THE PXY CARDS WITH REV 6 PCB, THAT IS, REV "V" ASSEMBLY ONLY.
REFER ECN448 FOR OLDER CARDS.

☐ 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:

1. Possible network problems if an Intel Network Card with chip 82550 is used.

DETAILS OF CHANGE:

1. Remove four PALs from locations U136, U137, U138 and U139 and check their identification.

2a. IF the PALs are marked "PALCE16V8H-7" they can be reprogrammed. Reprogram them with Rev 5 Program (BYTE_R5.JED), label them with "BYTE REV 5" and replace them to their locations on the Card. Apply Solder Blobs across the pads of SB2, SB3 and SB4, but NOT across SB1. Label the Card with Rev W1 (BMW4011F-W1)

OR

2b. IF the PALs are marked "GAL16V8D-7LJ" they cannot be used. Instead use GAL16V8D-3LJ (FL Part No. SGS6348), program them with Rev 7 Program (BYTE_R7.JED), label them with "BYTE REV 7" and fit them to their locations on the Card. Apply Solder Blobs across the pads of SB2, SB3 and SB4, but NOT across SB1. Label the Card with Rev W (BMW4011F-W)

NOTE TO SUBCONTRACTORS: Check all WIP and implement this ECN. Purge stock of GAL16V8D-7LJ chips (FL Part No. SGS3830) and replace with GAL16V8D-3LJ chips (FL Part No. SGS6348)

NOTE TO PRODUCTION: Check all WIP and Stock and implement this ECN.

NOTE TO SYDNEY AND FIELD SERVICE: No action required unless the system exhibits network problems.

If the system exhibits network problems check which Intel Network Card is installed.

If it is the one using chip 82550, Implement this ECN.

If it is an older Intel Network Card (using chip 82558 or 82559) replace the Network Card with the newer version (using chip 82550) AND implement this ECN (Keep the older version Network Cards for the systems equipped with the older PXY Cards, Assembly Rev lower than V, as described in ECN448).

OR replace the network card with the older version that uses chip 82558 or 82559.

NOTE: After implementing this ECN, older Network cards (chip 82558 or 82559) will still work correctly.