ECN#

400

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ASSEMBLY: APS1611 **DESCRIPTION:** MW4-PS1 Power Supply Assembly New Assembly: **DATE:** 11/12/00 Current Assy Rev: G **Current Schematic Rev:** New Assy Rev: J **New Schematic Rev:**  Subcontractor Records Updated O CMS BOMs Updated Excel BOMs Updated Compatibility Maintained: Yes IMPLEMENTATION INFORMATION: ○ Safety Issue ○ UL Compliance Issue O New Feature Ocst Reduction **Bug Fix EMC Compliance Issue** Ouality Issue **Reliability Reasons Software Change** O Cosmetic Change **REASON FOR CHANGE:** The glass fuse can are under fault conditions. It is to be replaced by a ceramic HRC type fuse with different ratings for 110V and 240V. A new heatsink has been introduced to improve cooling for new production. The PCB assembly must be modified to revision J to rectify a problem with Q2 failing and the fuse opening at power on. Ripple on the 3.3V rail has also been reduced. **DETAILS OF CHANGE:** 1. Replace the mains input fuse with an Antisurge (T) HRC Ceramic fuse as follows: For 110V input use a 10A Antisurge (T) HRC Ceramic fuse (Farnell 535-096) For 240V input use a 5A Antisurge (T) HRC Ceramic fuse (Farnell 535-084) 2. MMW4066-3 Heatsink plate has been replaced by MMW4063-5 Heatsink Extrusion which has fins and should result in better cooling of the main switching transistor. This change only applies to new production. 3. Ensure the revision of the PCB assembly is BMW4021D-J or BMW4021E-J. 4. Mark power supply with revision G to reflect the change of assembly.

HW or Project Engineer.

R&D or Project Manager....