

ECN # 378.5

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ENGINEERING CHANGE NOTE:

mfx3

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ASSEMBLY: BMW4021D**DESCRIPTION:** MW4-PS1 Power Supply PCB**New Assembly:****DATE:** 20/10/00**Current Assy Rev:** F**Current Schematic Rev:****New Assy Rev:** G**New Schematic Rev:**☐ 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:**

12V protection circuit over sensitive.

Rectify drop-out of power supply when using 3 or 4 QDCs populated with analogue I/O.

Increase speed 12V ramps up.

DETAILS OF CHANGE:

1. Remove the following components;
C29, C63 (CRR3902 - CAP Polyester film metallized, 10n)
R49 (RMA3397 - Resistor 470R Metal Film, >= 0.25W, 1%, >= 100V)
R68 (RMA3628 - Resistor 1k0 Metal Film, >= 0.25W, 1%, >= 100V)
R195 (RMA9989 - Resistor 1M0 Metal Film, >= 0.25W, 1%, >= 100V)
2. Replace C29 & C63 with the following;
CRR0661 - CAP Polyester film metallized, 470n
3. Replace R49 with the following;
RMA5013 - Resistor 4k7 Metal Film, >= 0.25W, 1%, >= 100V
4. Replace R68 with the following;
RMA4374 - Resistor 1k8 Metal Film, >= 0.25W, 1%, >= 100V
5. Replace R195 with the following;
RMA8372 - Resistor 220k Metal Film, >= 0.25W, 1%, >= 100V
6. Remove the following components;
D41, D42 (SDS2714 - Diode Signal, High Speed 1N4448)
7. Update documentation and remark assembly revision number to Rev G to reflect the change of assembly revision.