fairlight ENGINEERING CHANGE NOTE: mfx3

ECN #: 403.1

ASSEMBLY:	BMW4051E-G	**DESCRIPTION:**	MW4-CG5 Colour Graphics 5 CARD
New Assembly:	BMW4051E-G	**DATE:**	23/05/01
Current Assy Rev:	G	**Current Schematic Rev:**	
New Assy Rev:	G (No Change)	**New Schematic Rev:**	

THIS ECN IS IDENTICAL TO ECN 403 EXCEPT FOR THE REVISION LABEL APPLICATION DUE TO THE INTRODUCTION OF ECN 413.

○ **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:

To improve CG5's capability of driving long cables (in excess of 10 meters), especially when running in high resolution mode.

To improve the display quality on certain types of TFT monitors.

DETAILS OF CHANGE:

Refer to attactment 1 & 2.

1. Remove 2k2 resistors at R31 and R32.

2. Install 0R SMD0603 resistors, or solder a link at R31 and R32.

3. Solder a 220R surface mount resistor to the emitter of Q7. (The single pin side of Q7, closest to R33)

4. Solder a wire to the other end of the 220R resistor and connect it to the collector of Q7. (The double pin side of Q7, the pin closest to R39)

5. Solder a 330R surface mount resistor to the collector of Q6 on a 45 degree angle. (The double pin side of Q6, the pin closest to R39)

6. Solder a wire to the other end of the 330R resistor and connect it to the emitter of Q6. (The single pin side of Q6, closest to Q7)

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NOTE TO SUBCONTRACTORS: This ECN has to be implemented to all future production until the introduction of Rev F blank PCB.