

Nordson/Fanuc Pro-Flo[®] II Controller with B Module I/O

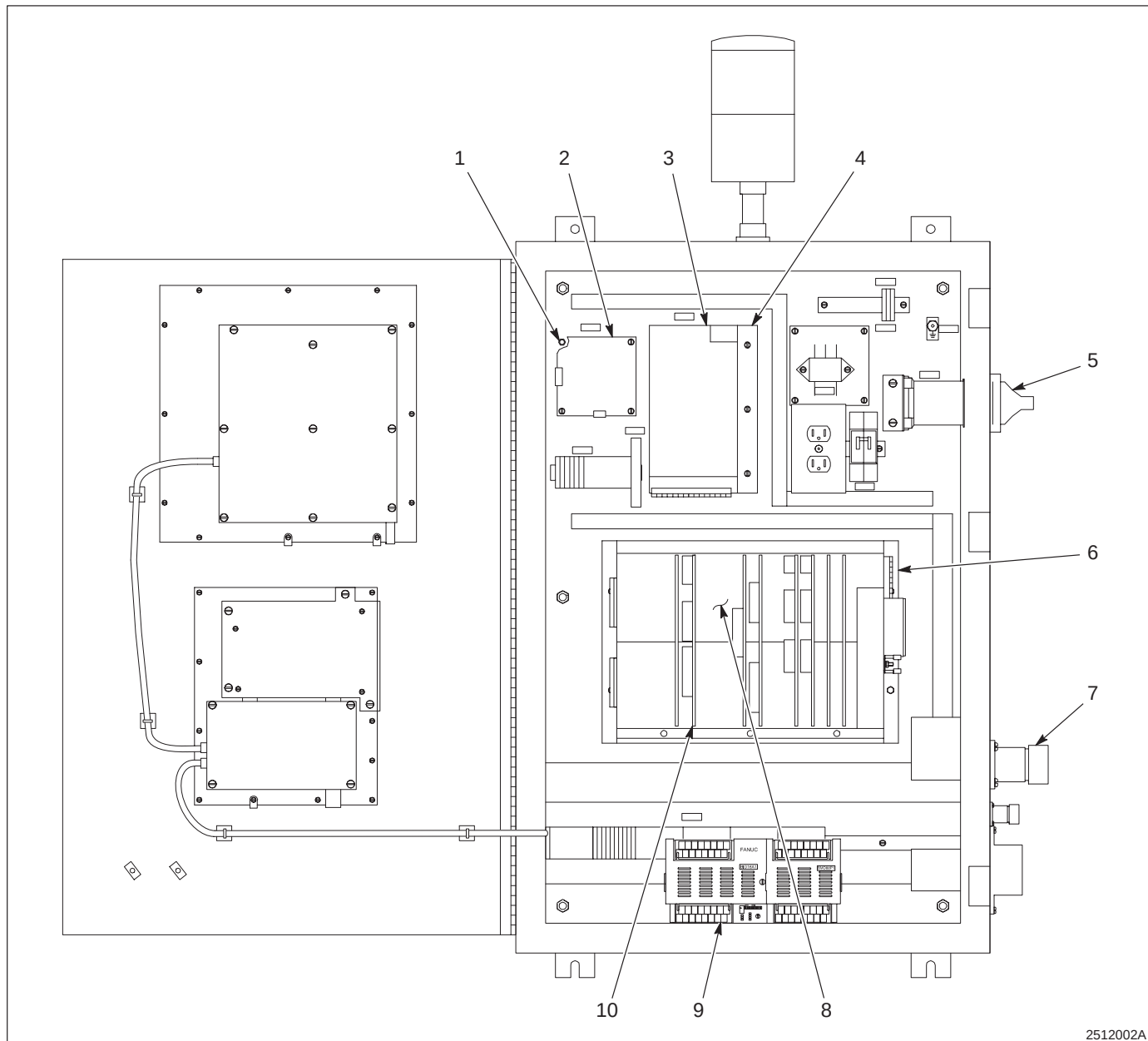
1. Introduction

The B-Module was created to simplify the interface between the Nordson Pro-Flo II Controller and the Fanuc robot. The B-Module will allow for one cable to be quickly connected to each end which will eliminate excessive hours of wiring and mistakes.

The Pro-Flo Controller uses signals from the robot controller and other sensors to control the gun dispensing rate. A constant bead size is maintained by adjusting the dispensing rate for changes in robot speed, material viscosity, and material delivery pressure.

[See Figure 1.](#) The Fanuc B-module (9) is located on the bottom of the Pro-Flo Controller unit and connects to the Fanuc robot through a sine connector (7) located on the right side of the Pro-Flo II Controller.

1. Introduction (contd.)



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Fig. 1 Nordson/Fanuc controller assembly components

- | | | |
|-------------------------|--------------------------|-------------------|
| 1. Standoff | 5. Main rotary switch | 8. Circuit board |
| 2. Power monitor board | 6. Card rack (installed) | 9. Fanuc B-module |
| 3. Power supply | 7. Fanuc sine connector | 10. Circuit board |
| 4. Power supply support | | |

1. Introduction (contd.)

See Figure 2 for the standard cabling connections with the Nordson/Fanuc Pro-Flo II with B module I/O.

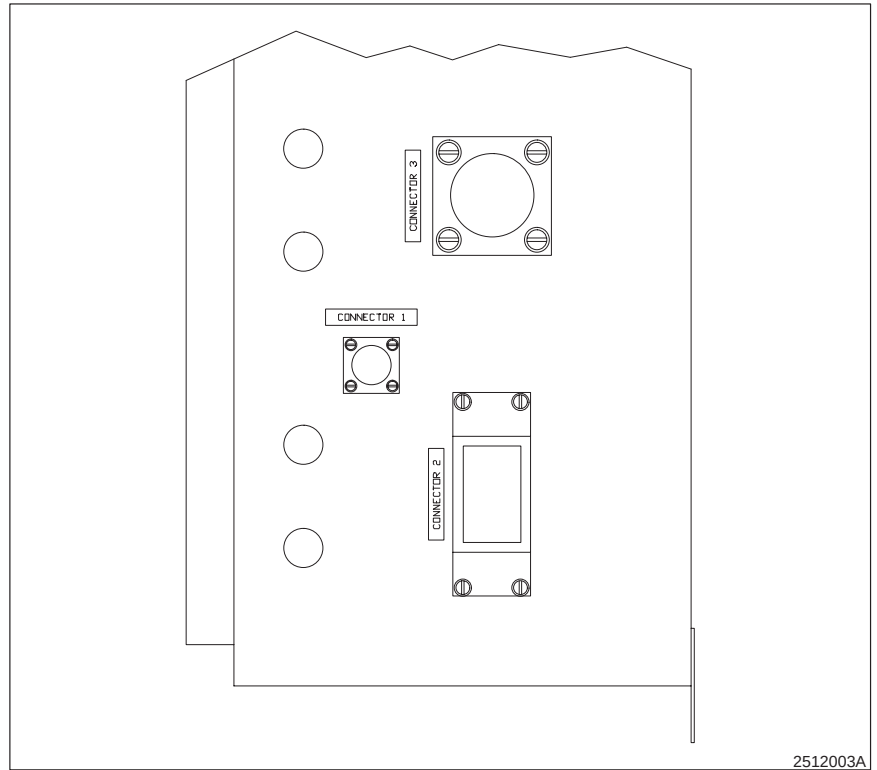


Fig. 2 Nordson/Fanuc standard cabling connections

2. Schematics

See Figures 3 through 9 for the correct wiring diagrams for the Nordson/Fanuc Pro-Flo II Controller.

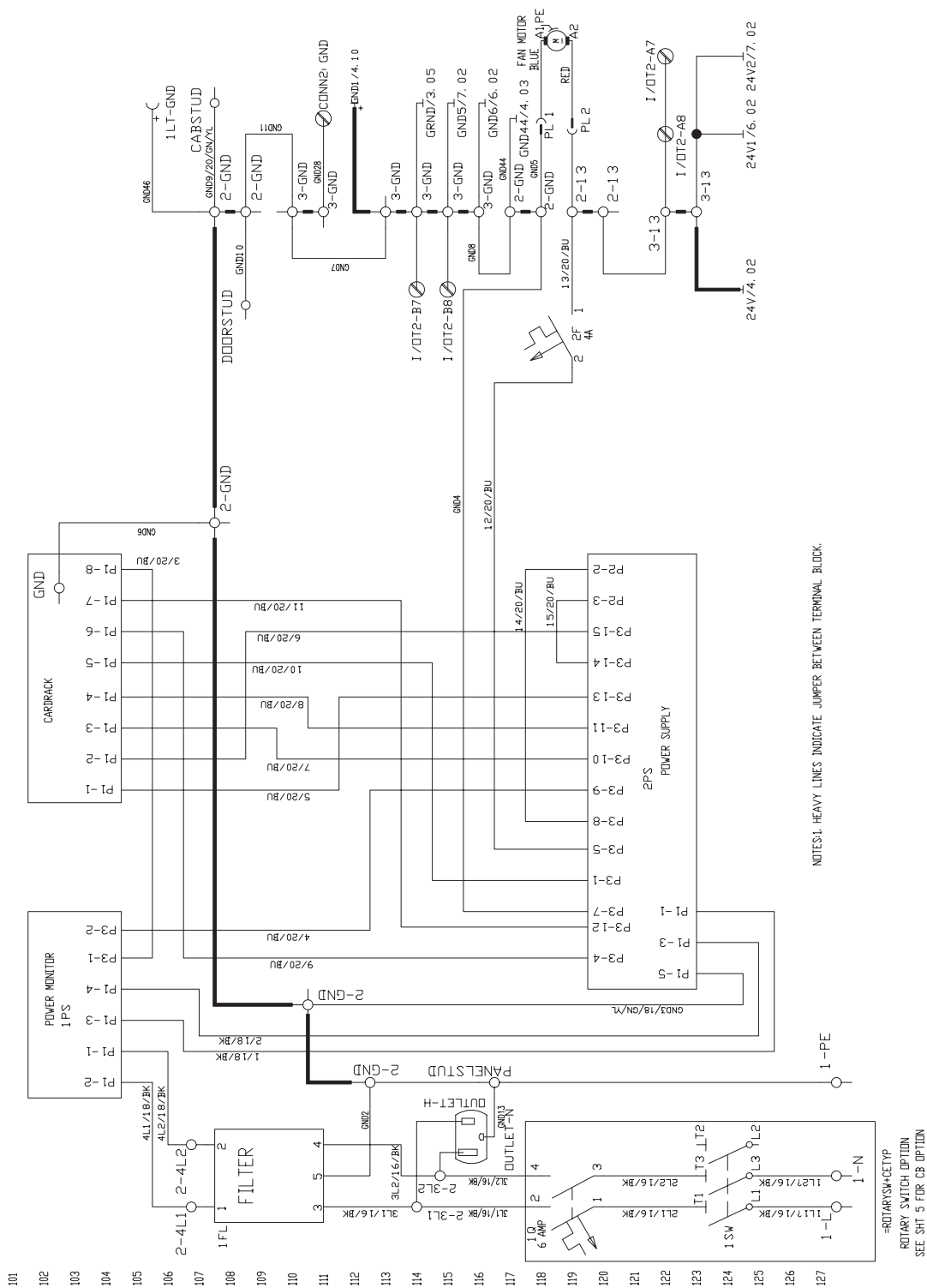
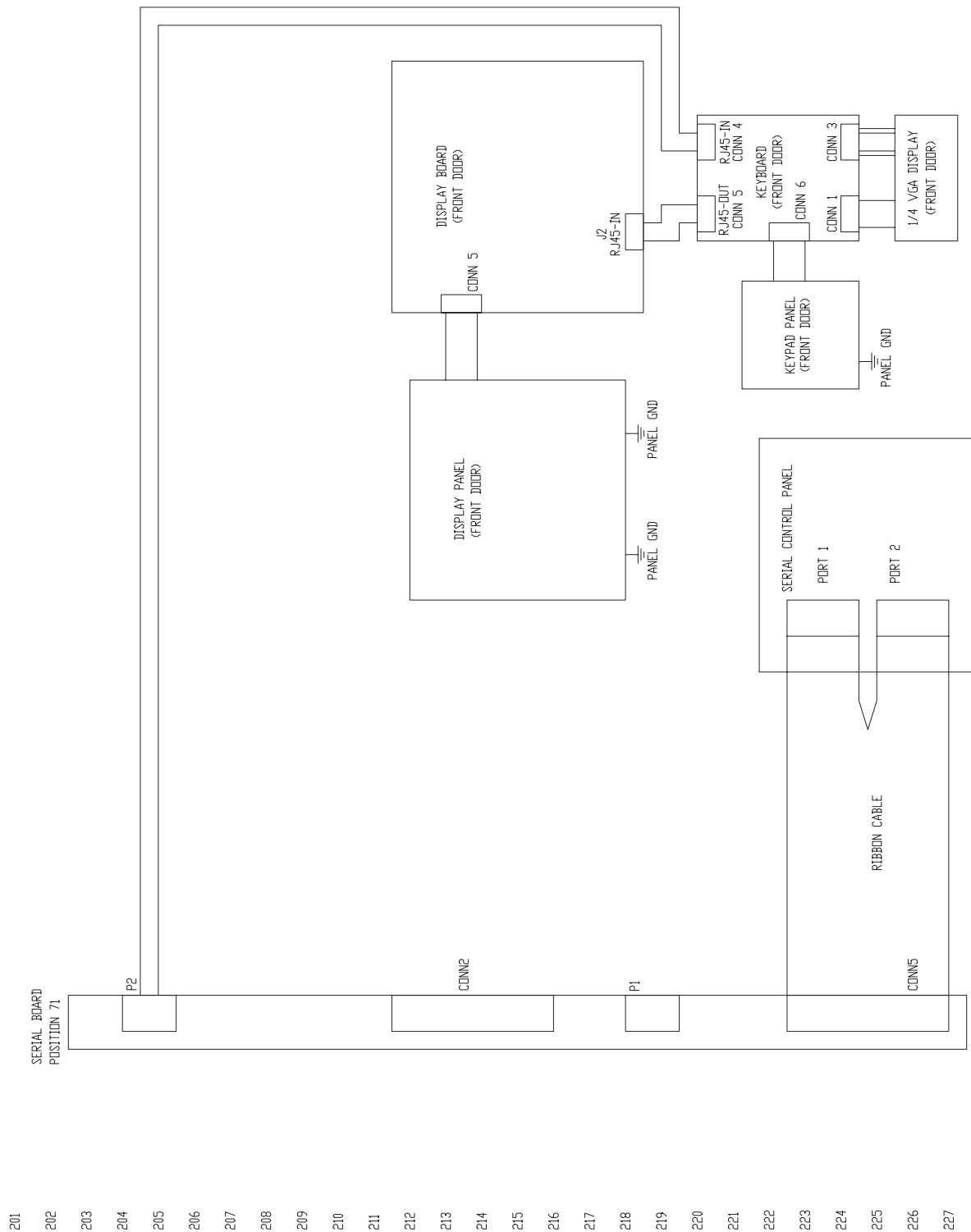


Fig. 3 Nordson/Fanuc Pro-Flo II Controller schematic (1 of 7)

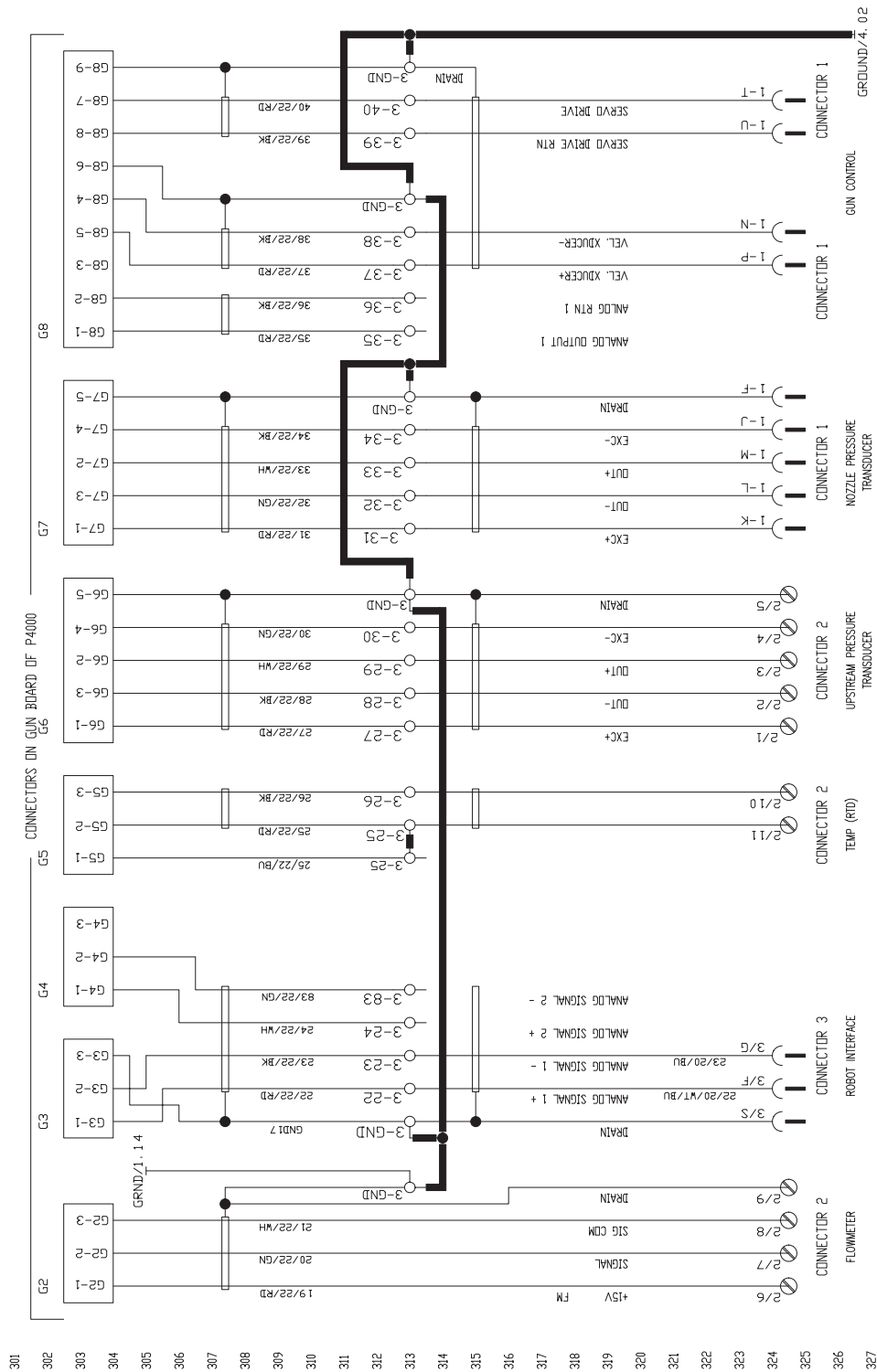
2. Schematics (contd.)



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Fig. 4 Nordson/Fanuc Pro-Flo II Controller schematic (2 of 7)

2. Schematics (contd.)



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Fig. 5 Nordson/Fanuc Pro-Flo II Controller schematic (3 of 7)

2. Schematics (contd.)

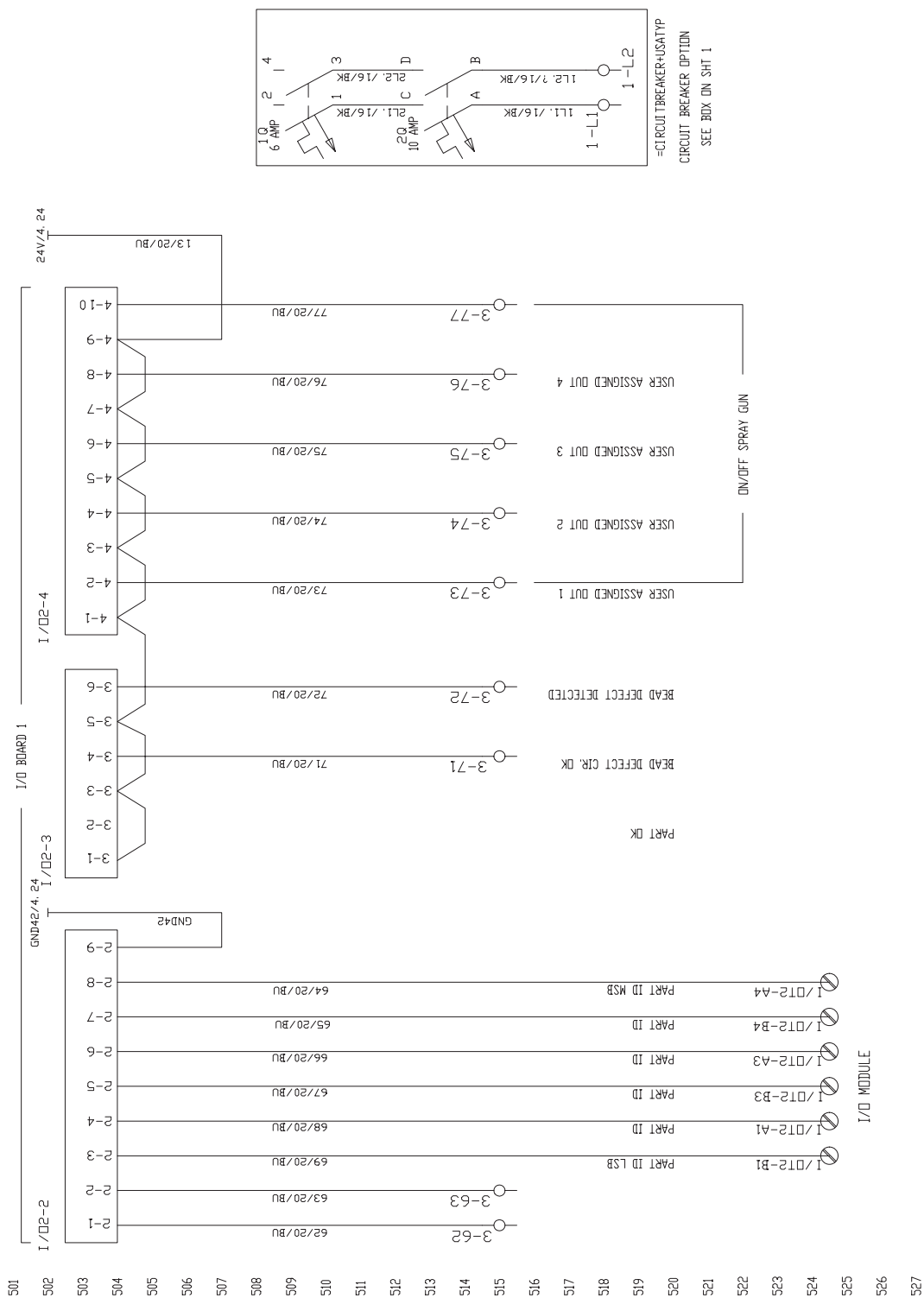
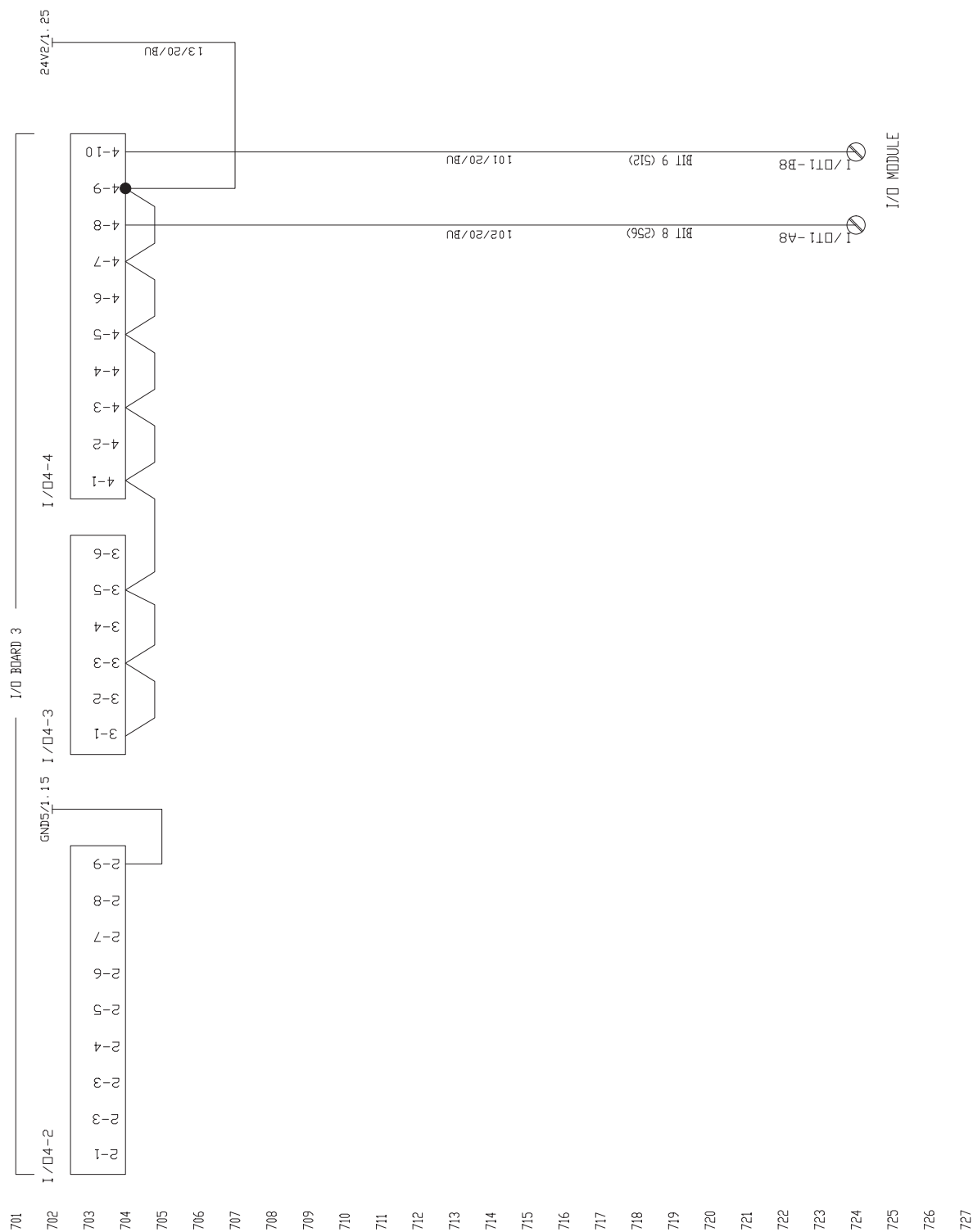


Fig. 7 Nordson/Fanuc Pro-Flo II Controller schematic (5 of 7)

2. Schematics (contd.)



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Fig. 9 Nordson/Fanuc Pro-Flo II Controller schematic (7 of 7)

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