

Documentation Changes

The following documentation changes pertain to your VS1 transmitter, as of DWA-320 being implemented at the factory. Implement these changes into your existing electronic or paper documentation as desired.

CHANGES:

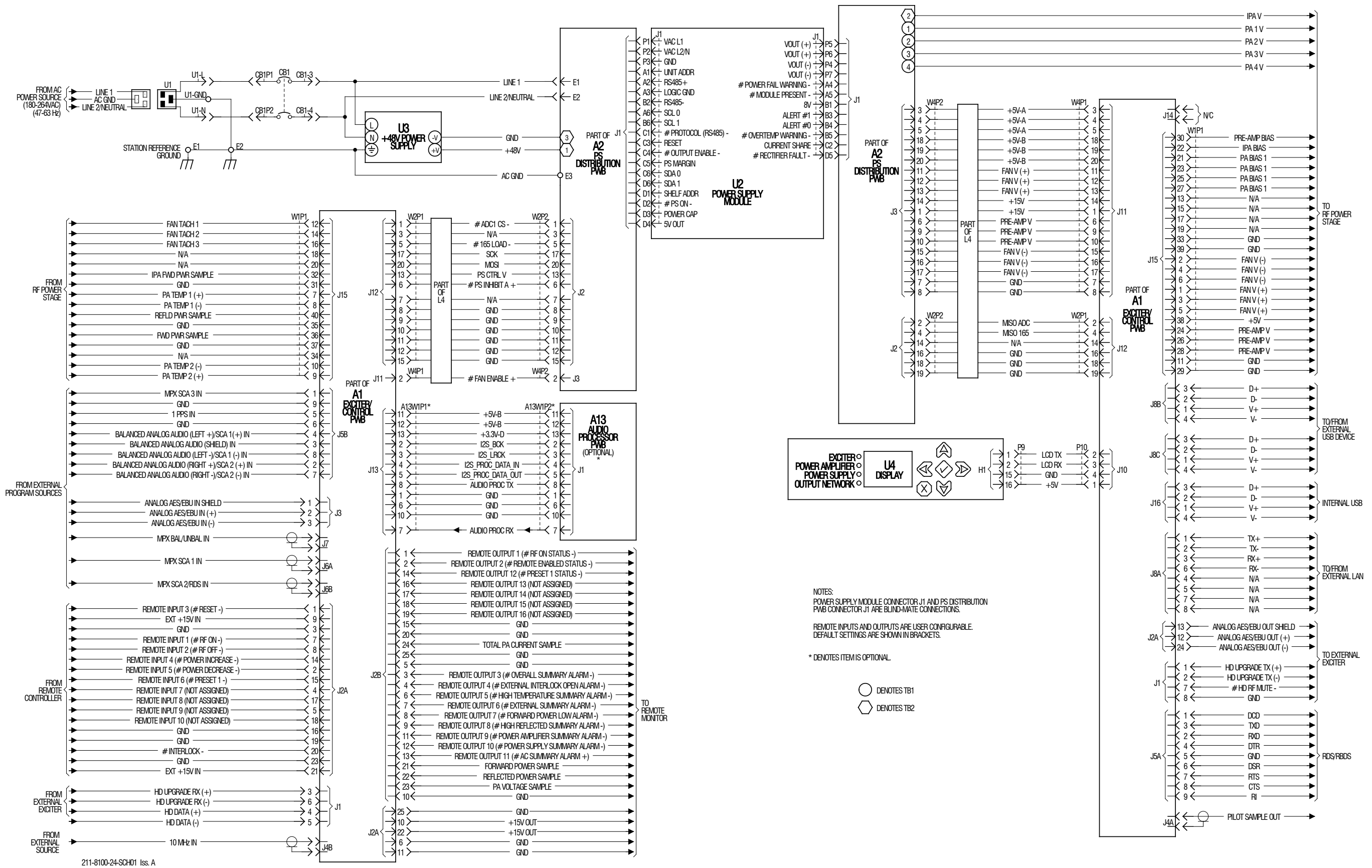
The +7-53 Vdc Power Supply (U2) has been changed from Nautel part # UG69* to UG132. The Power Supply Distribution PWB (A2) has been changed from Nautel part # NAPS41* to NAPS57A. These changes affect the technical documentation, particularly the following sections of the VS1 Troubleshooting Manual:

- **Section 3 – Parts Lists**, VS Family Tree (Figure 3.1):
 - Replace the NAPS41* part number reference in the A2 block with NAPS57A
 - Replace the UG69* part number reference in the U2 block with UG132.
- **Section 5 – Electrical Schematics** - In Table 5-1, replace the NAPS41* reference with NAPS57A. Replacement Electrical Schematics SD-1, SD-3a and SD-3b are provided with this document.
- **Section 6 – Mechanical Drawings** - In Table 6-1, replace the NAPS41* reference with NAPS57A. Replacement Mechanical Drawing MD-4 is provided with this document.

The power supply module has changed from UG69* to UG132. The front panel interface for the power supply module differs as shown in Table 1.

Table 1: Power Supply Interface

FRONT PANEL ITEM	UG69* (OLD PS MODULE)	UG132 (NEW PS MODULE)
AC OK LED 	LED is green when the supply's ac input is greater than 175 V ac. LED is off when the supply's ac input is less than 175 V ac.	LED is green when the supply's ac input is greater than 175 V ac. LED is off when the supply's ac input is less than 90 V ac.
DC OK LED 	LED is green when the supply's dc output is within operational limits. LED is off when the supply's output is outside operational limits or inhibited.	Same operation as UG69*.
SERVICE LED 	Not applicable	Power Supply is experiencing a thermal alarm (5 °C before shutdown) or thermal shutdown condition.
FAULT LED 	Not applicable	Power Supply is experiencing an internal/communication fault such as: thermal shutdown or defective fan, blown Ac fuse or over-voltage shutdown.



Electrical Schematic – VS1 Transmitter – Ac-Dc and Exciter/Control Stage

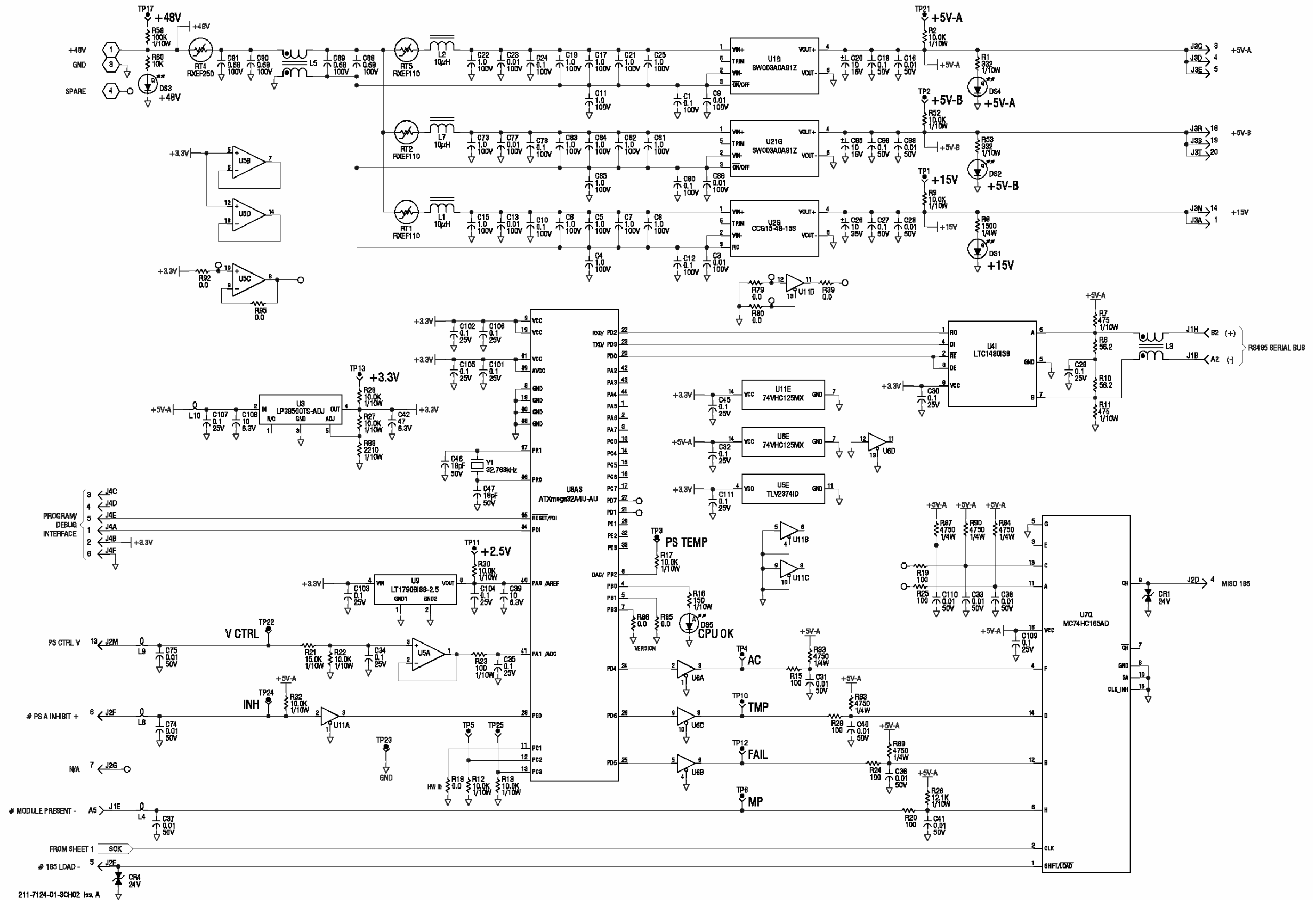
DWA-320 – Manual Replacement Page

Not to Scale

Figure SD-1

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Electrical Schematic – NAPS57A Power Supply Distribution PWB

