

## RFS1003-AN1

### Application Note for RFS1003 Evaluation Board

#### Power Sequencing

The RFS1003 power amplifier is a GaAs MESFET PA and requires both a positive (drain) and negative (gate) voltage. Refer to the board layout diagram indicating voltage, ground and RF connectors for proper connection. Proper power up and power down sequencing must be followed to avoid severe damage to the part.

#### Power Up

- 1) With the power supply output turned off, connect the DUT.
- 2) Apply -1.1 Vdc to Vg.
- 3) Apply +7.0 Vdc to Vd.
- 4) Apply RF signal to the power amplifier.

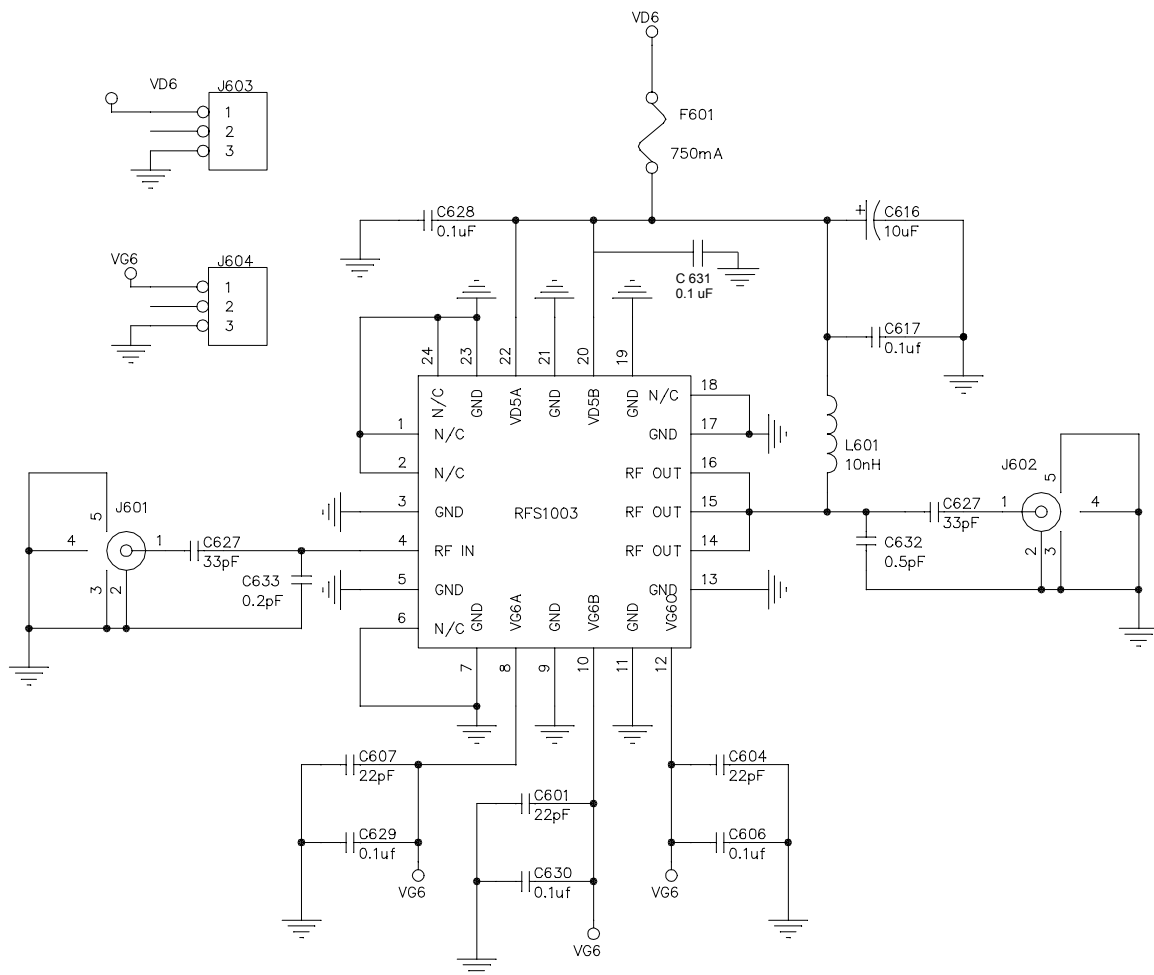
#### Power Down

- 1) Remove RF signal to the power amplifier.
- 2) Remove +Vd.
- 3) Remove -Vg.
- 4) Disconnect the DUT.

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### Evaluation Board Schematic



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## Evaluation Board Layout 2.0" x 2.0"

