

DO 160G COMPLIANT DUAL REDUNDANT 68W POWER SUPPLY MODULE

Overview

Power supply board is having isolated 3 outputs with redundant power supply and hold up capacitor.

Key Features

- 68W main and redundant power supply
- Converts 14V DC to nominal DC outputs (+/- 5V DC, +/- 8V DC)
- Efficiency >85%
- Dual Fan driver
- 2kV isolation between input and outputs

Dimension

189mmx145.58mmx21.65mm

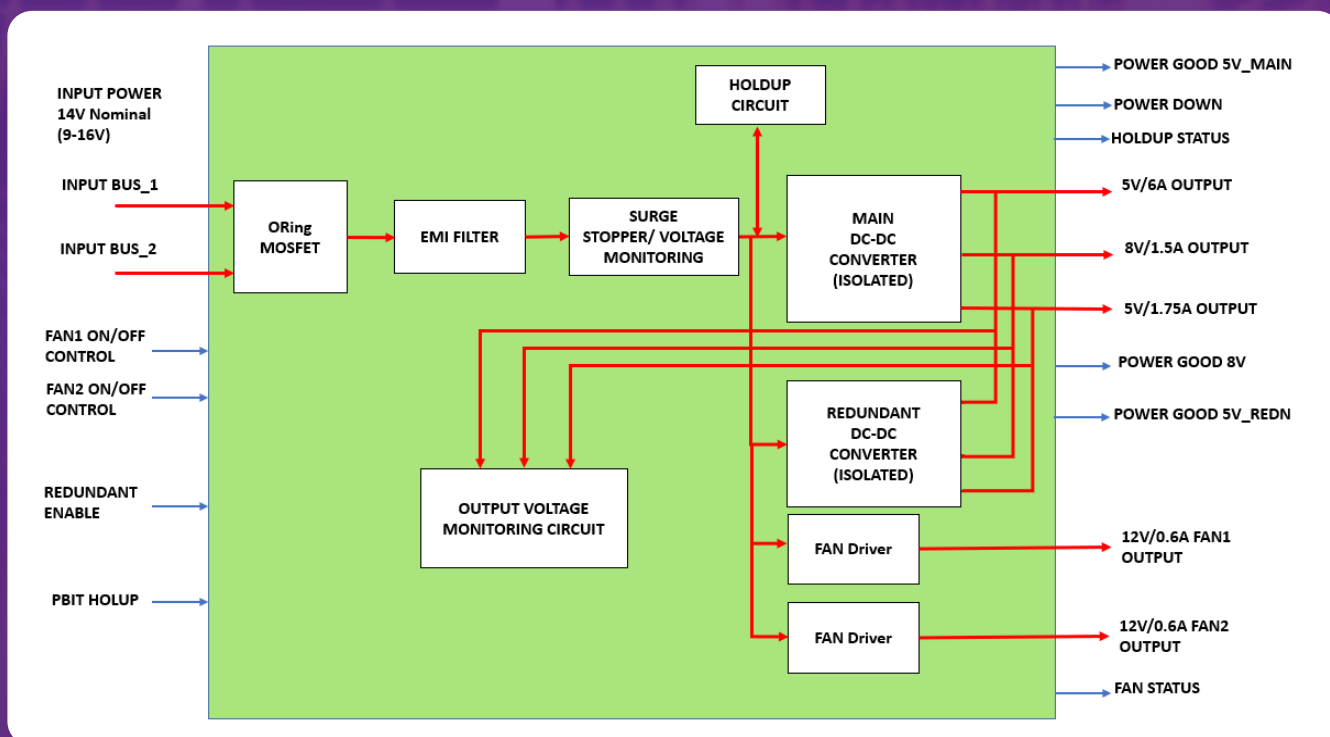
Weight

415g

Technical Specifications

- 3 Isolated outputs of 5V/6A, 8V/1.5A and 5V/1.75A
- Current controlled Push Pull topology for isolation
- Input requirements as per the DO-160G for 14V DC
- Efficiency greater than 85%
- Holdup time greater than 50ms
- ORing input circuit for Dual aircraft input supply
- Dual Fan driver circuit for 12V 0.6A and Fan tach status output
- Ripple output less than 1%
- Line and load regulation less than 5%
- Meeting EMI/EMC requirements as per the DO-160G
- Input over current over voltage and under voltage protection
- BITE outputs for monitoring health of the board
- ROHS complaint

Block Diagram



Benefits

Overall "Low cost of ownership" to the customer due to

- Compact power supply module for aircraft application
- Includes the holdup capacitor inbuild on the board
- Inbuild EMI/EMC filter

Our USP

- Triple output with good power quality
- Redundant converter with power good signals

Case Reference

- Good efficiency
- ROHS complaint

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