

RRGU Redundant Rate Gyro Unit

Flight
Proven

AEROSPACE

- Avionics component for launch vehicle guidance, navigation and control subsystems
- Robust single fault-tolerant design in all functional areas
- Light-weight, compact, rugged design
- Radiation-hardened processor
- Rated for harsh environments (vibration and temperature)
- Internal heaters and heater control for challenging thermal applications



Redundant Rate Gyro Unit (RRGU)

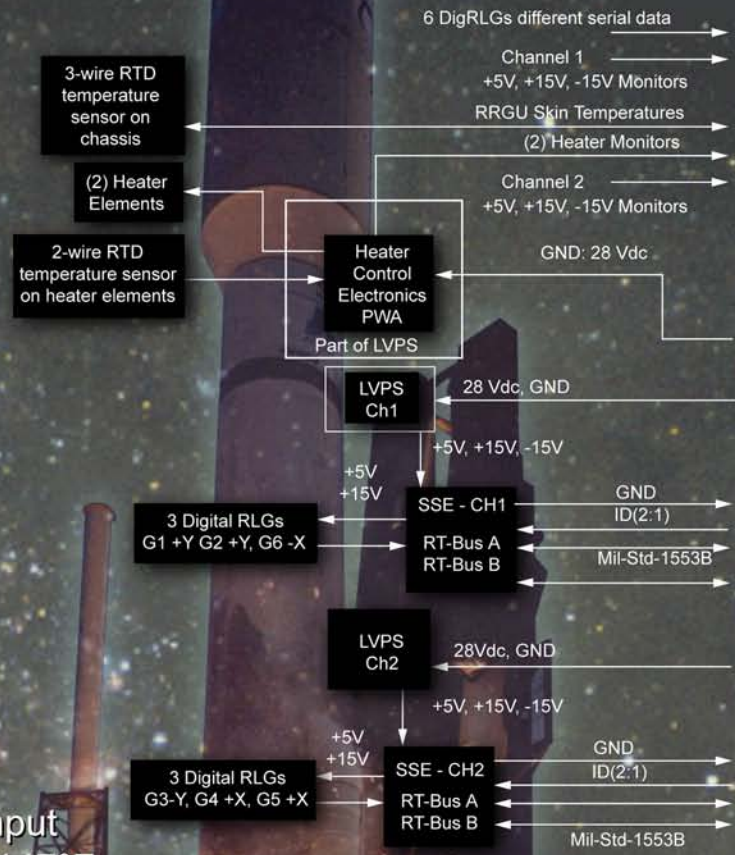
Honeywell's RRGU provides two axes angular rate information in two channels, using Honeywell digital gyros

Features

- Two axes system
- Robust single fault-tolerant design
- Utilizes proven high-reliability parts
- EMI protection
- Designed to withstand heavy vibration
- Vented chassis
- Radiation-hardened processor

System Characteristics

- Performance
 - ◆ ± 0.05 deg/hr Bias
 - ◆ ± 100 ppm Scale Factor
- Reliability.....0.9987
- Power.....22-32V Input
- Thermal Operating Range...-4°F to +147°F
- Form Factor.....7" x 7" x 18.75"
- Weight.....<30 lb
- Interface.....Mil-Std-1553
- MTBF.....3950 Hr/Channel
- Processor.....GVSC 1750A
- Gyros.....GG1320AN Ring Laser Gyros
- Testing.....Mil-Std-1540 Compliant



Honeywell

Aerospace Electronic Systems
 Defense & Space Electronic Systems
 Honeywell
 13350 U. S. Highway 19 North
 Clearwater, FL 33764-7290
 Tel: 727-539-4000
<http://www.honeywell.com/dses/space>

www.honeywell.com

DFOISR #04-S-1974
 January 2004
 Printed in U.S.A. on Recycled Paper
 © 2004 Honeywell Inc