

OBC - P3 FEATURES

SPECIFICATIONS

- Two fully independent on-board computers in one unit
- 2 X ARM Cortex-M7 micro-controllers
 - Powerful DSP instructions
 - Double precision hardware FPU
 - Up to 300 Mhz operating frequency
 - Real-time OS incl. hardware drivers, filesystem and IDE
 - Real-time clock, watch-dogs, etc.
- Memory
 - 2 X 64 MB FLASH (NOR) mass storage
 - 2 X 4 Mbit FRAM configuration memory
- 2 Harwin M80 connectors with:
 - RS422 UART
 - CAN
 - I2C
 - 8 GPIO
- 3.3V-28V supply voltage

RELIABILITY

- Radiation total dose tested EEE parts
- Vibration rated for all launch vehicles

HIGH QUALITY ENCLOSURE

- Min. 1.5 mm Al Shielding in all directions
- PC-104 compatible mounting holes