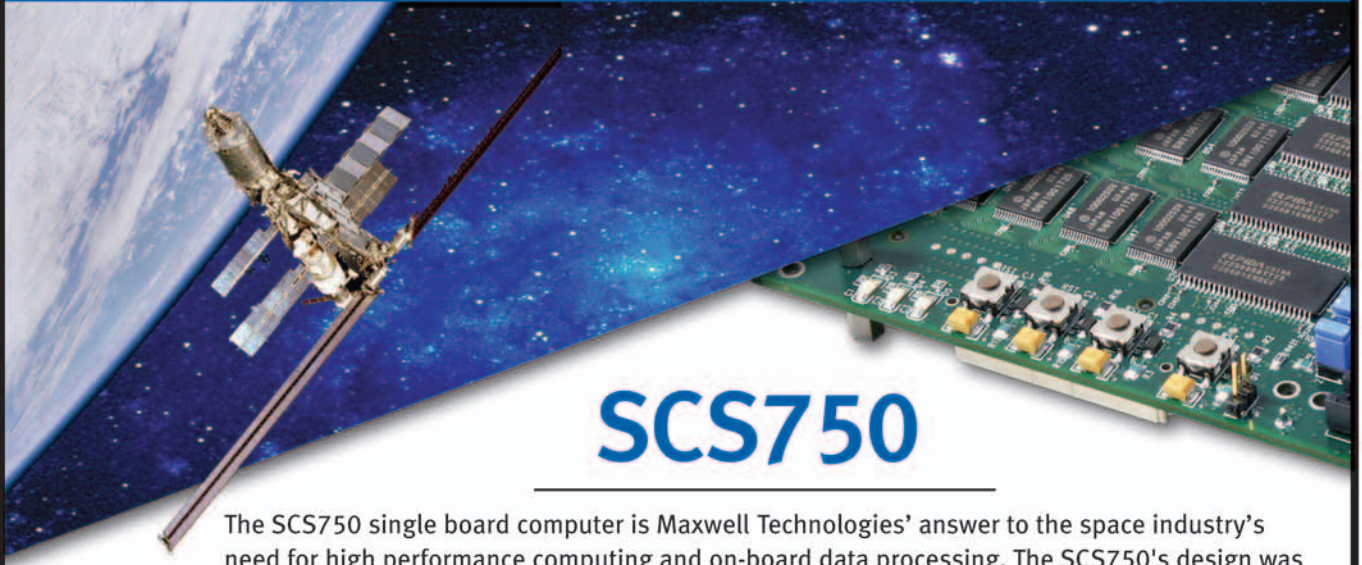


Next Generation Super Computer for Space

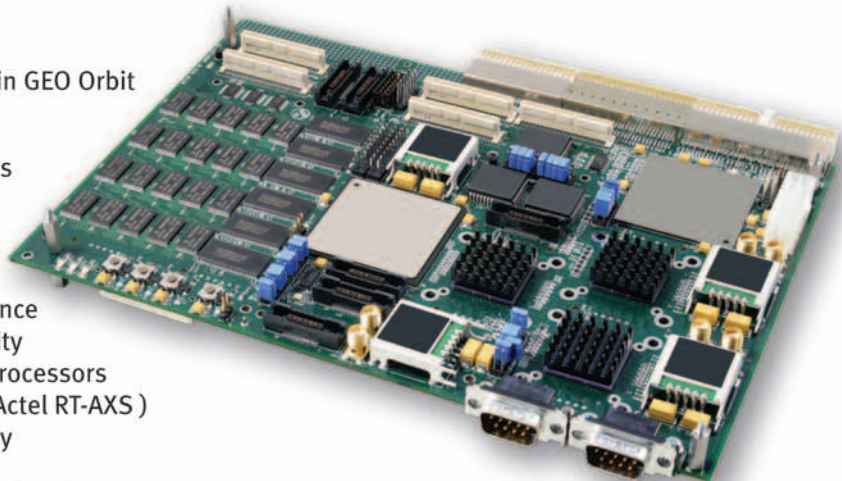


SCS750

The SCS750 single board computer is Maxwell Technologies' answer to the space industry's need for high performance computing and on-board data processing. The SCS750's design was driven by our guarantee of the highest reliability and performance. Maxwell Technologies has implemented a comprehensive radiation mitigation strategy to provide total dose hardness, latchup immunity and upset error mitigation for the SCS750. Maxwell Technologies' SCS750 has become the benchmark of which all future space processor boards will be measured.

Features

- One (1) upset every 300 years in GEO Orbit
- Up to 1000x Performance of Current Space Processor Boards
- Highest Space-Qualified Performance @ 1800 MIPS
- Demonstrated Radiation Tolerance
 - Latch-Up and Upset Immunity
 - Silicon-On-Insulator (SOI) Processors
 - Radiation Tolerant FPGAs (Actel RT-AXS)
 - RAD-PAK® packaged memory
- Triple Modular Redundant Processors
- Advanced Error Corrected SDRAM
- Ultimate Upgradeability
- Software Selectable Power Consumption
- Most Cost Efficient MIPS/\$\$ and MIPS/Watt
- Standard Development Platform



Prototype Engineering Module
(As shown - uses commercial components)
(Flight board - conduction cooled with space qualified components)

Maxwell
TECHNOLOGIES

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