DYNAMIC ENGINEERING
150 Dubois St. Suite C, Santa Cruz, CA 95060
Ph: 831-457-8891 / Fax: 831-457-4793
sales@dyneng.com www.dyneng.com
Est. 1988

Statement of Volatility
PN: PMC-OctalUART-232

Manufacturer Part Number: PMC-OctalUART-232, includes all types (-RIO, etc.)
Manufacturer Part Description: PMC with FPGA, 2x Quad UART's, RS-232 transceivers
FPGA Type: Xilinx Spartan VI – typically "25" – SRAM configuration type.
Memory Type: FLASH, SRAM, UART FIFO
Memory Size: varies with installed FPGA
Volatility: SRAM and FIFO memories cleared by power cycle. FLASH is retained through power cycle. FLASH is not accessible by user for writing or read-back. FLASH is used to reload FPGA at power-on.
User Accessible: SRAM within FPGA is configured into registers etc. FPGA features are R/W [in many cases] to user software. SRAM contents are lost at power down and re-written with base design from FLASH upon power-on. UART FIFO's are used to store user data during operation. All data is lost when powered down. When reset, pointers are reset making current data inaccessible.
Clearing Procedure: Power cycle or re-write data stored contents per approved procedure.
Notes or Warnings: None