



DYNAMIC ENGINEERING

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Est. 1988

Statement of Volatility: PC104p-SpaceWire

Manufacturer Part Number: PC104p-SpaceWire, includes all options

Manufacturer Part Description: PC104p interface to SpaceWire bus

Memory Type: The only device with non-volatile memory is the FLASH used to load the Xilinx device. The FLASH is programmed via JTAG and is not reprogrammable in system unless specific steps are taken to do so – outside of the capabilities of the card. In most systems the FLASH is not considered a data security threat as the data does not pass through the FLASH and the FLASH is only used to reload the Xilinx [FPGA].

Memory Size: XCF04SVO20C x2 or 1x XCF32PVOG48 depending on model

Volatility: N/A

User Accessible: only via JTAG port

Clearing Procedure: N/A

Notes or Warnings: All other memory types in use [FIFO] are cleared via reloading flash or power cycle. All are volatile. All are for intermediate storage – data flows through the devices as part of the SpaceWire protocol conversion process in either direction. Data is overwritten as new data is received or sent.