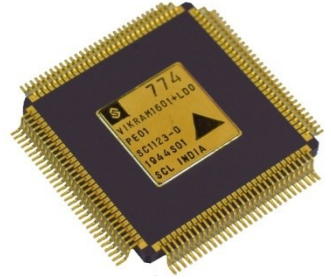


16-Bit Processor VIKRAM-1601 (PE01)



SCL Part No.

SC1123-0

PRODUCT DESCRIPTION:

Vikram 1601 is a 16-bit microprocessor with floating point support. It has a general-purpose architecture with an instruction set of 96 instructions and employs micro programmed control. It has sixteen 16-bit registers and can address a maximum of 232K words of memory. It also incorporates a programmable counter for Real time counter function and an interface to MIL-1553B protocol controllers.

FEATURES:

- 16-Bit Microprocessor
- Single 3.3 V Supply Operation
- 75 MHz Operating Frequency
- Quiescent Supply Current < 10 mA
- Operating Power < 250 mW
- Operating Temperature -55°C to 125°C
- 120 Ceramic Quad Flat Package
- 16,32 and 48-Bit data types
- 96 Instructions
- 32-Bit single precision
- 48-Bit extended precision
- On-chip programmable counter
- On-chip 1553B bus interface
- Programmable Memory wait cycles
- SCL's 180nm CMOS Technology

