
	32-Bit PROCESSOR VIKRAM 3201 with LVR (MCM1)	
SCL Part No.	SC1130-0	

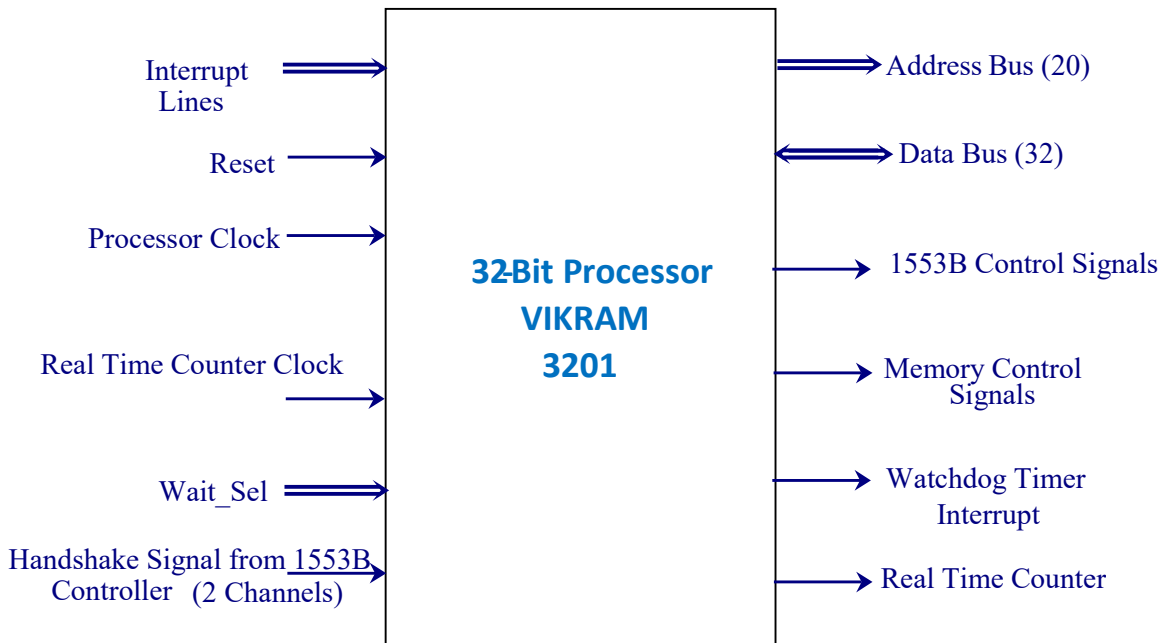
PRODUCT DESCRIPTION:

Vikram 3201 is a 32-bit microprocessor with floating point support. It has a general-purpose architecture with an instruction set of 152 instructions and employs micro programmed control. It has thirty-two 32-bit registers and can address a maximum of 4096M words of memory.

The device can operate over a large temperature range -55°C to +125°C and it is packaged in a hermetic sealed 181 pin grid array package. Data type Supported are 16/32-bit Fixed Point, 16/32-bit Unsigned and 64-bit IEE754 Floating Point.

FEATURES:

- 32-Bit Microprocessor
- Single 3.3V Supply Operation
- 100 MHz Operating Frequency
- Quiescent Supply Current < 10 mA
- Operating Power < 500 mW
- Operating Temperature -55°C to 125°C
- Testability Features: Scan and Functional
- Packaged in 181 Pins, CPGA
- No of Instruction: 152
- External Address bus size: 20 bit
- Software Interrupts: 256
- No. of Timers: 4 Nos. of 32-bit timers
- Two on-chip 1553B bus interfaces
- SCL's 180nm CMOS Technology



Functional Block Diagram