Serial Communication Board

Features:

- FPGA – Xilinx Make Device Spartan-6 XC6SLX4 -2TQG144I.

- FLASH – One (16M X 16) Flash Memory using S29GL256P90TFIR20 from Spansion.

- Configuration – 1 No's of PROM Interface Using XCF04SVOG20C from Xilinx.

- Serial Interface – Two RS-232 / Four RS-422 Channels.

- Clock Source – (50 MHz) On Board Clock.

- Four User Configurable LED's, 1 No's of Eight Position DIP Switch and On Board Reset.

- JTAG Programming through USB Port.

- Board Dimensions: 90 X 90 mm, No of Layers: 2 Layer.

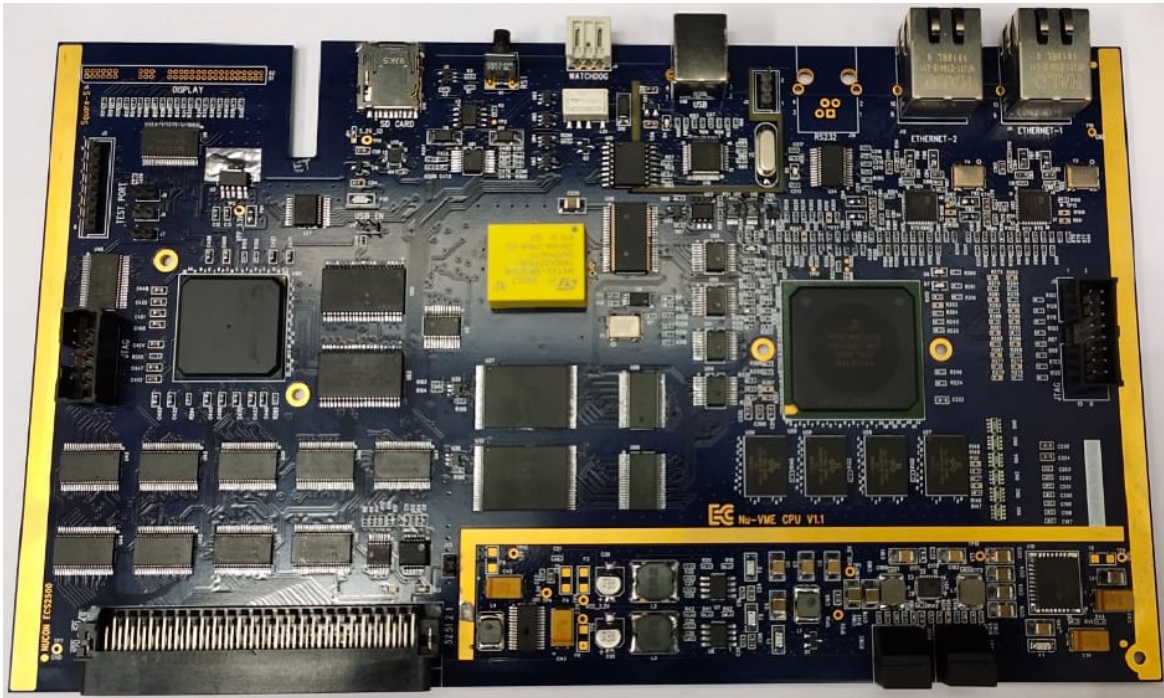- Operating Temperature: -40°C to +85°C.

- Operating Power Supply: +5V.

FPGA Based Count Down Hold / Release System

Features:

- FPGA – Xilinx Make Device Zynq-7 XC7Z030-1FBG676I.

- DDR3 – One (256M X 16) Using MT41K256M16TW-107 XIT:P from Micron.

- FLASH – One (16M X 16) Flash Memory using S29GL256P90TFIR20 from Spansion.

- Configuration – 1 No's of PROM Interface Using S25FL128SAGMFIR01 from Spansion.

- Ethernet Interface – 2 No's of 10/100/1000 Mbps Ethernet Interface using 88E1111-B2-BAB1I000 from Marvell.

- I/O's – 80 No's of Opto Isolated I/O's, 20 X 4 LCD Interface, USB JTAG Programming and On Board Reset.

- Unit Dimensions: 266.7 X 482.6 X 210 mm.

- Operating Temperature: -40°C to +85°C.

- Operating Power Supply: +28V.

P1013 QorIQ PLC Main CPU

Features:

- Processor – P1013NXE2LFB 32 Bit QorIQ from Freescale Semiconductor.

- FPGA - M2GL025-FGG484I IGLOO2 FPGA from Microsemi Corpotation.

- DDR3, NVSRAM, SRAM, Flash Interface.

- RS232 / RS422 / RS485 Interface.

- Dual Ethernet Interface, USB Interface, SD card Interface.

- VME Bus Interface.

- ON Board Reset, Watchdog timer Interface.

- Board Dimensions: 233.33 X 160 mm, No of Layers: 12 Layer.

- Operating Temperature: -40°C to +85°C.

- Operating with +5V DC Power Supply.