

**TT&M Division** 

ISO 9001 Registered

Main 707.528.1230 Fax 707.527.6640 www.symmetricom.com

## **CERTIFICATE OF VOLATILITY**


Date: <u>03 April 2009</u>

Model Description: <u>Time and Frequency Processor</u>

Model Numbers: 11603-2000 bc635 VME

This document describes volatile and non-volatile storage media of the above noted Model.

Memory Size Memory Type Volatile/Non-Volatile User Data Location

256K bit CMOS EPROM Non-Volatile No U23

Sym P/N 0301-27C2-56

Microchip 256K (32Kx8) CMOS EPROM

Function: Factory programmed firmware, read only. Not user modifiable.

Programs FPGA's.

Clearing: No Erase Function

N/A Real Time Clock Non-Volatile No U9

Sym P/N 0301-6242

OKI Semiconductor MSM62X42B
Real time clock IC with built-in crystal

Function: This clock does not have user data, but does store the unit current time.

It is battery backed up.

Clearing: Remove battery

22K bit FPGA Volatile Yes U31

Sym P/N 0303-3030-2

**ATT 3000 Series FPGA 3030-70** 

**FPG**  $\Delta$ 

Function: This device is re-programmed each time the board is powered up.

It contains user settings.

Clearing: Power down unit

30K bit FPGA Volatile Yes U32, U33

Sym P/N 0303-3042

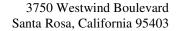
ATT 3000 Series FPGA 3042-70

**FPGA** 

Function: This device is re-programmed each time the board is powered up.

It contains user settings.

Clearing: Power down unit





## **TT&M Division**

ISO 9001 Registered

Main 707.528.1230 Fax 707.527.6640 www.symmetricom.com

300 Gates PAL (EPROM) Non-Volatile No U27

Sym P/N 0301-0610-1

Altera EPLD Family EP610-35

Programmable Logic Device with EPROM configuration elements.

Function: Factory programmed firmware, read only. Not user modifiable.

Clearing: No Erase Function.

4.6K bit FIFO RAM Volatile Yes U12, U13

Sym P/N 0303-3042 IDT IDT201LA35

**FIFO RAM Dual Port Memory** 

Function: This device provides buffering of outgoing data such as time and board status

that the user has requested.

Clearing: Power down unit

1 kB RAM Microcontroller Volatile Yes U5

512 B EEPROM Non-Volatile Yes

Sym P/N 0303-6811-EO Motorola MC68HC11EO Motorola 8-Bit Microcontroller

Function: The RAM contents are volatile. The EEPROM contents are non-volatile and are

used to store parameters (such as S/N of board, default DAC value, etc.). These parameters are used by the F/W contained in U23. This EEPROM cannot be

accessed externally under normal operation.

RAM Clearing: Power down

EEPROM Clearing: User setting mode would have to be reset to factory default settings.

**Refer to Operation Manual** 

16 Inputs TTL PAL Non-Volatile No U10, U15, U21, 8 Outputs U28, U38, U30

Sym P/N 0301-16L8 AMD PAL16L8B

20-Pin TTL Programmable Array Logic. Boolean Logic transfer fuction.

Function: Factory firmware. Read only.

Clearing: No Erase Function.

416K bit EPROM Volatile No U26

Sym P/N 031373-001 Intel 2716 EPROM Read-only EPROM

Function: Factory firmware. Read only. No user data

Clearing: No Erase Function

Bob Mengelberg, Compliance Engineer 03 April 2009

Authorized Signature, Title, Date