

# Letter of Volatility

## MX10003

The table below identifies all the memory locations on the various FRUs on MX10003. The FRUs include JNP10003-RE1, JNP10003-LC2103, JNP10003-CHAS and JNP-FAN-3RU. All customer related data (payload) is only stored in the System RAM, or the PFE chips or the packet memory during the transit, PCI controllers, and Ethernet controllers. All of these locations are transient and volatile. All the contents in these locations will be deleted when the power is turned off to the system. The term user Data in the table below includes node and network configuration data. That data is not customer [payload] data. The procedure for sanitization of User Data is identified in the table below

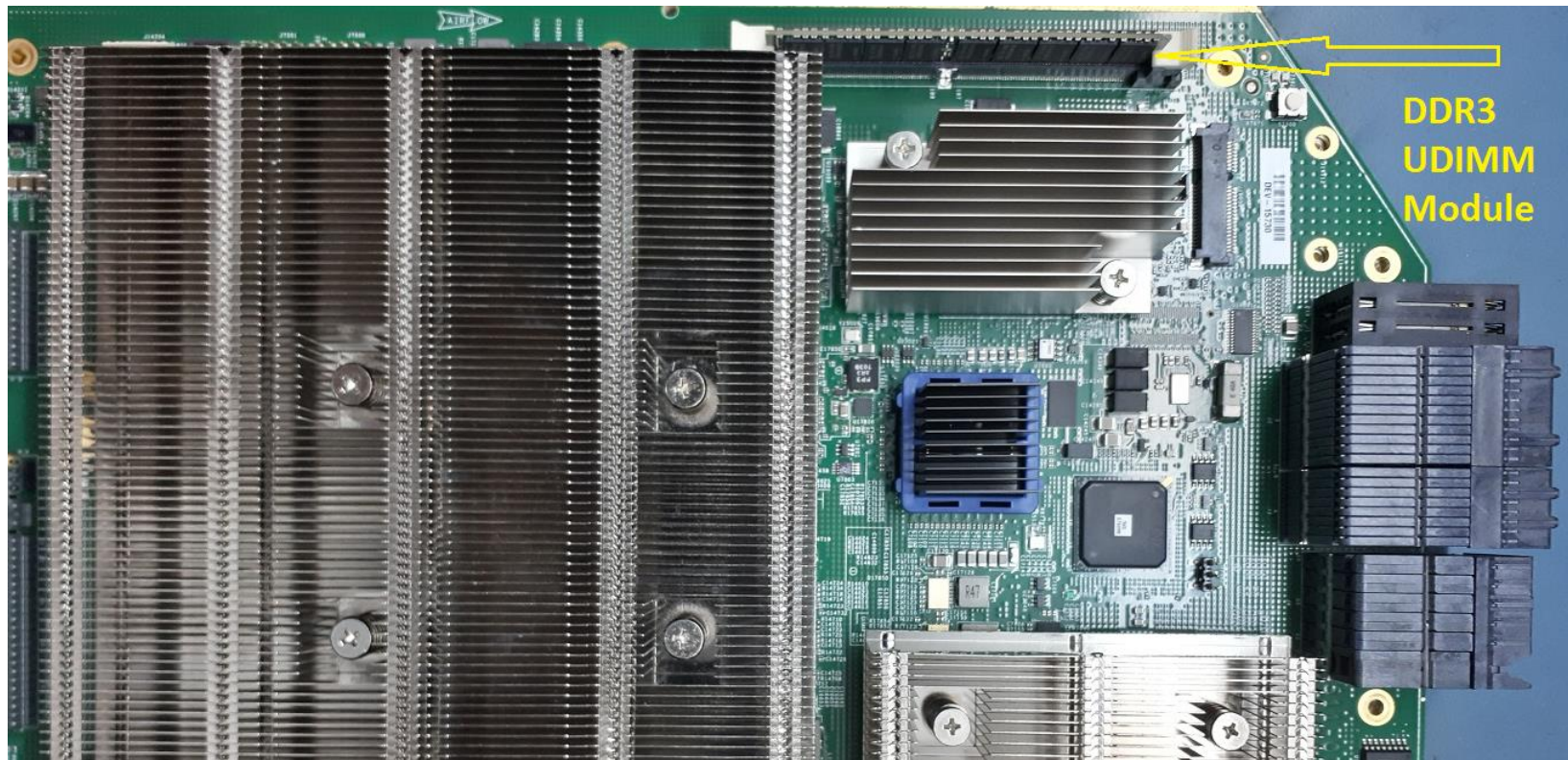
### JNP10003-LC2103

Part Location	Device	Volatile	Non-Volatile	Contains Customer Data	Removable Memory	Size (bytes)	Type of Memory	Sanitization Procedure
U103	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U104	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U105	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U1703	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U1704	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U1705	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U3303	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U3304	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA

U3305	HMC/310-073490	Yes	No	No	No	2GB	DRAM	NA
U101	XR/310-049659	Yes	No	No	No	1Gb	DRAM	NA
U102	XR/310-049659	Yes	No	No	No	1Gb	DRAM	NA
U1701	XR/310-049659	Yes	No	No	No	1Gb	DRAM	NA
U1702	XR/310-049659	Yes	No	No	No	1Gb	DRAM	NA
U3301	XR/310-049659	Yes	No	No	No	1Gb	DRAM	NA
U3302	XR/310-049659	Yes	No	No	No	1Gb	DRAM	NA
U9211	PTP	Yes	No	No	No	N/A	FPGA	NA
U7500	I2CS	Yes	No	No	No	N/A	CPLD	NA
U7000	PCIE EEPROM/310-016596	No	Yes	No	No	16KB	PCIE SW EEPROM	NA
U8002	ADNMUX EEPROM/310-061369	No	Yes	No	No	512B	EEPROM	NA
U9842	MPCS EEPROM/310-075033	No	Yes	No	No	128MB	FPGA Flash ROM	NA
U10512	IDEEPROM/310-062224	No	Yes	No	No	256B	IDEEPROM	NA
J19103	740-055008	Yes	No	Yes	Yes	8GB	DDR	Power down the MPC, remove the DIMM
U19084	Gbe EEPROM/310-034550	No	Yes	No	No	32KB	EEPROM	NA

U19051	ROM Flash/310-063139	No	Yes	No	No	8MB	NOR Flash ROM	NA
U19052	ROM Flash/310-063139	No	Yes	No	No	8MB	NOR Flash ROM	NA

J19103 is high-lighted in the picture below to Plug out the DDR3 module



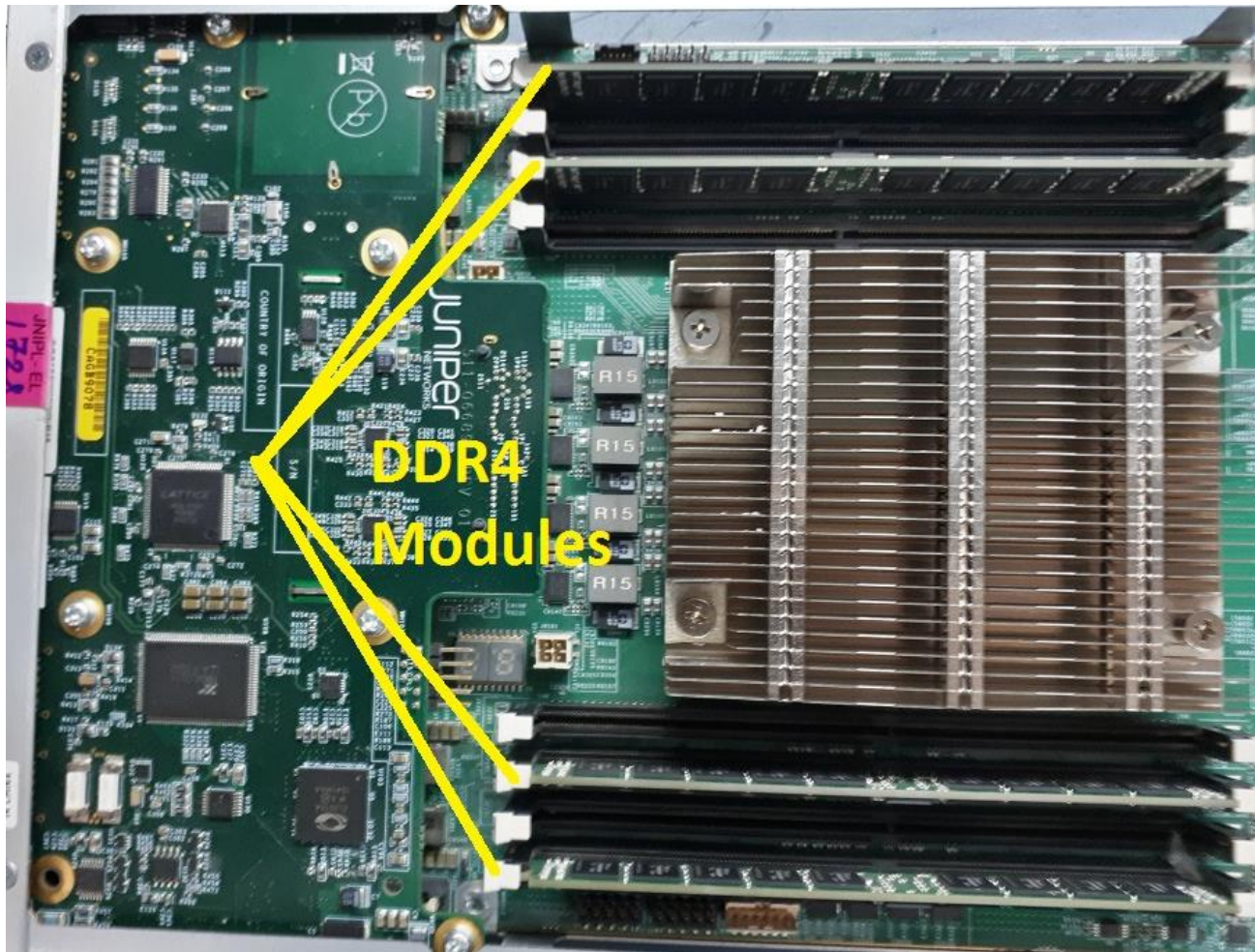
**JNP10003-RE1**

Part Location	Device	Volatile	Non-Volatile	Contains Customer Data	Removable Memory	Size (bytes)	Type of Memory	Sanitization Procedure
<b>JNP10003-RE1 BASE BOARD</b>								
U3619	BIOS Primary / 310-056818	No	Yes	Yes*, ONLY If Customer made any changes to BIOS	No	16MByte	SPI Flash	NA
U3620	BIOS Golden / 310-056818	No	Yes	No	No	16MByte	SPI Flash	NA
U3517	TPM Chip / 310-059744	No	Yes	No	No	NA	μC	NA
U6027	SPMC FPGA / 310-071838	No	Yes	No	No	NA	CPLD	NA
U6028	SPI Flash / 310-063296	No	Yes	No	No	512KByte	FPGA Flash ROM	NA
U6014	Board ID EERPOM / 310-062224	No	Yes	No	No	256Byte	EEPROM	NA
U6628	CBC FPGA SPI Flash / 310-052203	No	Yes	No	No	8MByte	FPGA Flash ROM	NA

U7602	Gbe EEPROM/310- 063482	No	Yes	No	No	2MByte	EEPROM	NA
U7702	Gbe EEPROM/310- 063482	No	Yes	No	No	2MByte	EEPROM	NA
U7802	Gbe EEPROM/310- 063482	No	Yes	No	No	2MByte	EEPROM	NA
J2001	DDR4 DIMM / 740-054324	Yes	No	Yes	Yes	16GByte	DDR	Power down the SPM, remove the DIMM
J2201	DDR4 DIMM / 740-054324	Yes	No	Yes	Yes	16GByte	DDR	Power down the SPM, remove the DIMM
J2401	DDR4 DIMM / 740-054324	Yes	No	Yes	Yes	16GByte	DDR	Power down the SPM, remove the DIMM
J2601	DDR4 DIMM / 740-054324	Yes	No	Yes	Yes	16GByte	DDR	Power down the SPM, remove the DIMM
JNP10003-RE1 MEZZ BOARD								
U118	Board ID EERPOM / 310- 062224	No	Yes	No	No	256KByte	EEPROM	NA

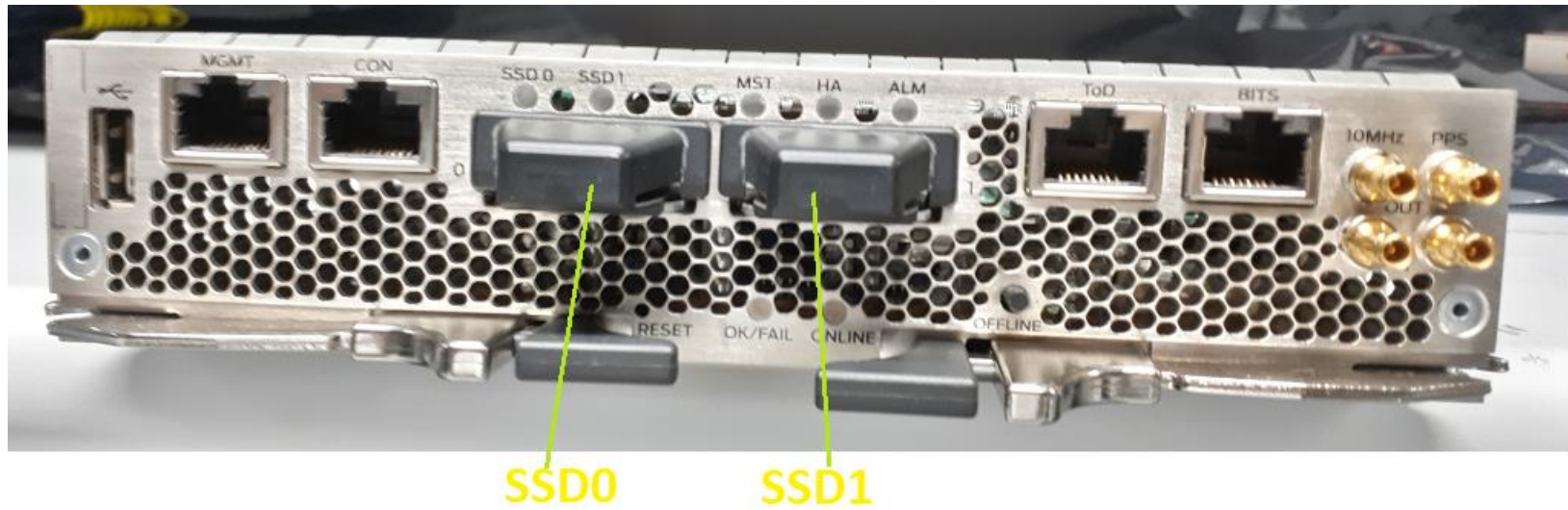
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U120	BITS CPLD / 310-051835	No	Yes	No	No	NA	CPLD	NA
U6028	SPI Flash / 310-063296	No	Yes	No	No	512KByte	FPGA Flash ROM	NA
J101	HDD-0 / 740-074631	No	Yes	Yes	Yes	100GByte	SSD	Power down the SPM, remove the HDD-0
J101	HDD-1 / 740-074631	No	Yes	Yes	Yes	100GByte	SSD	Power down the SPM, remove the HDD-1



J2001, J2201, J2401 and J2601:DDR4 VLP modules on MX10003-RE1

The SSD modules are accessible from the faceplate of the MX10003-RE1 and can be easily removed by pressing the latch provided at the bottom of the SSD assembled module.





### JNP10003-CHAS

Part Location	Device	Volatile	Non-Volatile	Contains Customer Data	Removable Memory	Size (bytes)	Type of Memory	Sanitization Procedure
U1	Chassis ID EERPOM / 310-034592	No	Yes	No	No	256 Bytes	EEPROM	NA
U4	310-009735 1kbit EEPROM with SHA-1 Engine/unique 64-bit id number	No	Yes	No	No	128Bytes	EEPROM	NA

### JNP-FAN-3RU

Part Location	Device	Volatile	Non-Volatile	Contains Customer Data	Removable Memory	Size (bytes)	Type of Memory	Sanitization Procedure
U19	Chassis ID EERPOM / 310-062224	No	Yes	No	No	256 Bytes	EEPROM	NA
U93006	FAN tray controller CPLD 310-067362	No	Yes	No	No	NA	CPLD	NA