

Statement of Volatility

Component Information:

	Vendor Response
System Manufacturer:	Microsemi
Part Description:	SmartFusion2 Development Kit
Part Number (As Marked on Equipment):	SF2-DEV-KIT
Technical Point of Contact:	soc_tech@microsemi.com
Remarks:	

Memory Size, Type, Purpose, Input Method, Protection Method.
For each memory device on a component, please fill out the following:

Component Information

	Vendor Response
System Manufacturer:	MICROCHIP
Part Description:	IC EEPROM 2KBIT 3MHZ SOT23-6
Part Number (As Marked on Equipment):	93LC56AT-I/OT
Technical Point of Contact:	
Remarks:	
Memory Device	Data Response
Size (i.e. xx Mbytes, Kbytes, bits)	2KBit
Type of Memory:	Non Volatile
Can Programs write data into the device during normal operation?	Yes
Can the Operating System write data into the device during normal operation?	Yes
Does the device retain data when powered off?	Yes
How is data input into the device?	EEPROM is connected to FTDI chip. Can use to store programming setting for FTDI chip.
How is the device write protected?	By default, it is not write-protected
Remarks:	

	Vendor Response
System Manufacturer:	Atmel
Part Description:	IC FLASH 64MBIT 100MHZ 8VDFN
Part Number (As Marked on Equipment):	AT25DF641-MWH-T
Technical Point of Contact:	
Remarks:	
Memory Device	Data Response
Size (i.e. xx Mbytes, Kbytes, bits)	64MBit
Type of Memory:	Non Volatile
Can Programs write data into the device during normal operation?	Yes
Can the Operating System write data into the device during normal operation?	Yes
Does the device retain data when powered off?	Yes
How is data input into the device?	Flash is read/written using MSS SPI0 M2S050 device. Data can read/write on FLASH memory using MSS0 interface.
How is the device write protected?	By default, it is not write-protected
Remarks:	

	Vendor Response
System Manufacturer:	MICRON
Part Description:	IC SDRAM 128MBIT 133MHZ 54VFBGA
Part Number (As Marked on Equipment):	MT48H8M16LFB4-75:K TR
Technical Point of Contact:	
Remarks:	
Memory Device	Data Response
Size (i.e. xx Mbytes, Kbytes, bits)	128MBit
Type of Memory:	Volatile
Can Programs write data into the device during normal operation?	Yes
Can the Operating System write data into the device during normal operation?	Yes
Does the device retain data when powered off?	No
How is data input into the device?	SDRAM is connected to Fabric IOs of FPGA. This memory can be accessed by using core SDR IP for read and write operations.
How is the device write protected?	By default, it is not write-protected
Remarks:	

	Vendor Response
System Manufacturer:	MICRON
Part Description:	IC DDR3 SDRAM 2GB 78FBGA
Part Number (As Marked on Equipment):	MT41J256M8HX-15E:D TR
Technical Point of Contact:	
Remarks:	
Memory Device	Data Response
Size (i.e. xx Mbytes, Kbytes, bits)	2GBit
Type of Memory:	Volatile
Can Programs write data into the device during normal operation?	Yes
Can the Operating System write data into the device during normal operation?	Yes
Does the device retain data when powered off?	No
How is data input into the device?	DDR3 memory is connected to MDDR interface of M2S050 device. Read/Write operations can be performed using MDDR interface on available device.
How is the device write protected?	By default, it is not write-protected
Remarks:	

	Vendor Response
System Manufacturer:	SANDISK
Part Description:	Emmc card
Part Number (As Marked on Equipment):	SDIN5C2-4G
Technical Point of Contact:	
Remarks:	
Memory Device	Data Response
Size (i.e. xx Mbytes, Kbytes, bits)	4Gbit
Type of Memory:	Non Volatile
Can Programs write data into the device during normal operation?	Yes
Can the Operating System write data into the device during normal operation?	Yes

Does the device retain data when powered off?	Yes
How is data input into the device?	EMMC memory connected to Fabric IOs of M2S050 device.
How is the device write protected?	By default, it is not write-protected
Remarks:	

Signature: _____

Title: _____

Date: _____

[Handwritten Signature]
Director, Software & Systems Engineering
05/09/2014