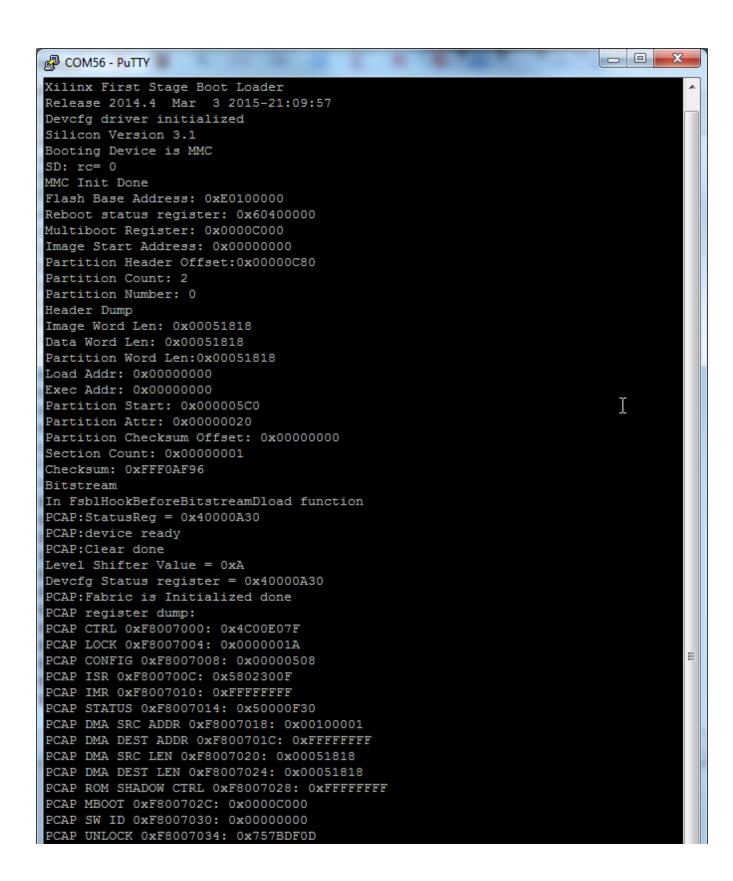
eMMC Boot

Xilinx ZYNQ supports MMC/eMMC as secondary boot media. This can be enabled by FSBL settings, it is not required to make any changes to the FSBL generated by Xilinx SDK.



```
PCAP MCTRL 0xF8007080: 0x30800100
DMA Done !
FPGA Done !
In FsblHookAfterBitstreamDload function
Partition Number: 1
Header Dump
Image Word Len: 0x00002003
Data Word Len: 0x00002003
Partition Word Len:0x00002003
Load Addr: 0x00100000
Exec Addr: 0x00100000
Partition Start: 0x00051DE0
Partition Attr: 0x00000010
Partition Checksum Offset: 0x00000000
Section Count: 0x00000001
Checksum: 0xFFDA7FB5
Application
Handoff Address: 0x00100000
In FsblHookBeforeHandoff function
SUCCESSFUL HANDOFF
FSBL Status = 0x1
Hello World
```

Example debug log from MMC boot on TE0720-02 on TE0701, an MMC Card was inserted into SD Card slot. To enable TE0720 to boot from SD Card in the slot, a small piece of paper was used to disable the card detect switch.



Xilinx FSBL would always boot from SDIO0 also in MMC mode! On TE0720 the on-board eMMC is on SDIO1, so that small modification to FSBL is required to change the boot device.

In order to change the boot device to SDIO1 a change is needed in diskio.c in the FSBL_bsp:

--- #define SD_DEVICE_ID XPAR_XSDPS_0_DEVICE_ID

+++ #define SD_DEVICE_ID XPAR_XSDPS_1_DEVICE_ID