

# STAGES OF TESTING MLO IMAGE ON BBB AND TESTING U-BOOT IMAGE ON BBB

## 1. Testing MLO image

- Partition the SD card.
- Copy the MLO file to the BOOT partition.
- Open minicom using command *sudo minicom* through the terminal window.
- Holding the boot button power up the BBB board.
- The boot sequence starts and stops at a stage where it cannot find the uImage file.

## 2. Testing U-boot image

- Copy uImage to BOOT partition.
- Start the booting process.
- Observe the terminal window.
- The window appears as below.

```
ies  Terminal  Wed 09:04 ●
shalini@shalini-OptiPlex-7060: ~

File Edit View Search Terminal Help
[sudo] password for shalini:

Welcome to minicom 2.7.1

OPTIONS: I18n
Compiled on Aug 13 2017, 15:25:34.
Port /dev/ttyUSB0, 09:03:02

Press CTRL-A Z for help on special keys

U-Boot SPL 2013.04-dirty (Jul 10 2013 - 14:02:53)
musb-hdrc: ConfigData=0xde (UTMI-8, dyn FIFOs, HB-ISO Rx, HB-ISO Tx, SoftConn)
musb-hdrc: MHDRC RTL version 2.0
musb-hdrc: setup fifo_mode 4
musb-hdrc: 28/31 max ep, 16384/16384 memory
USB Peripheral mode controller at 47401000 using PIO, IRQ 0
musb-hdrc: ConfigData=0xde (UTMI-8, dyn FIFOs, HB-ISO Rx, HB-ISO Tx, SoftConn)
musb-hdrc: MHDRC RTL version 2.0
musb-hdrc: setup fifo_mode 4
musb-hdrc: 28/31 max ep, 16384/16384 memory
USB Host mode controller at 47401800 using PIO, IRQ 0
OMAP SD/MMC: 0
mmc_send_cmd : timeout: No status update
reading u-boot.img
reading u-boot.img

U-Boot 2013.04-dirty (Jul 10 2013 - 14:02:53)

I2C: ready
DRAM: 512 MiB
WARNING: Caches not enabled
NAND: No NAND device found!!!
0 MiB
MMC: OMAP SD/MMC: 0, OMAP SD/MMC: 1
*** Warning - readenv() failed, using default environment

musb-hdrc: ConfigData=0xde (UTMI-8, dyn FIFOs, HB-ISO Rx, HB-ISO Tx, SoftConn)
musb-hdrc: MHDRC RTL version 2.0
musb-hdrc: setup fifo_mode 4
musb-hdrc: 28/31 max ep, 16384/16384 memory
USB Peripheral mode controller at 47401000 using PIO, IRQ 0
musb-hdrc: ConfigData=0xde (UTMI-8, dyn FIFOs, HB-ISO Rx, HB-ISO Tx, SoftConn)
musb-hdrc: MHDRC RTL version 2.0
musb-hdrc: setup fifo_mode 4
musb-hdrc: 28/31 max ep, 16384/16384 memory
USB Host mode controller at 47401800 using PIO, IRQ 0
Net: <ethaddr> not set. Validating first E-fuse MAC
cpsw, usb_ether
Hit any key to stop autoboot: 0
U-Boot#
```