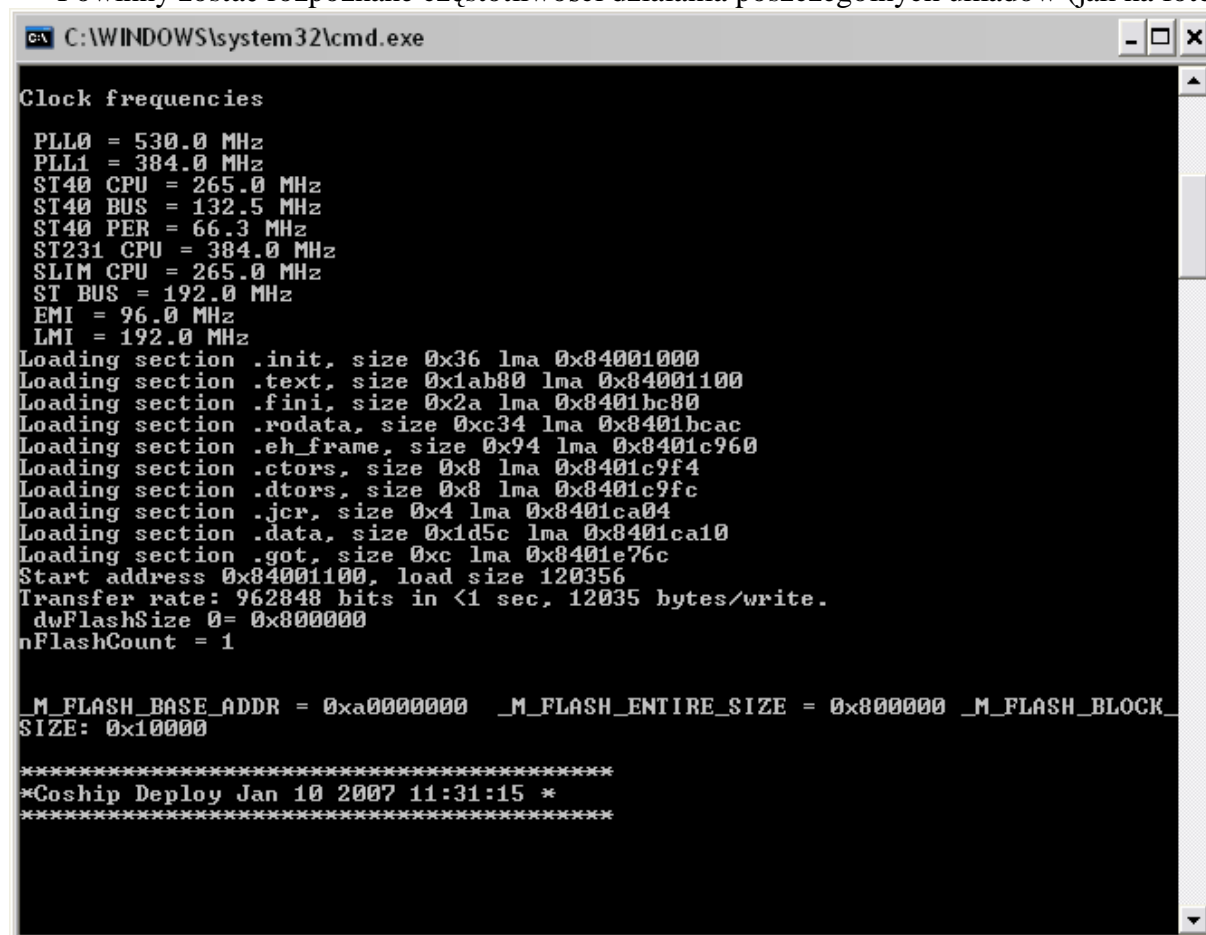


Plik HDcombo.bin znajduje się na załączonej płycie i powinien być skopiowany do C:\.

Procedura

1. HDcombo i JTAG ST jest wyłączony.
 2. łączymy taśmą oba urządzenia
 3. włączamy przyciskiem zasilanie w HDcombo a następnie ST
 4. flashujemy HDcombo w następujący sposób:
- odpalamy HDcombo_flasher.exe. Można go odpalać ze skrótu – np. pulpitu.
 - Powinny zostać rozpoznane częstotliwości działania poszczególnych układów (jak na fotce poniżej).



```
C:\WINDOWS\system32\cmd.exe

Clock frequencies

PLL0 = 530.0 MHz
PLL1 = 384.0 MHz
ST40 CPU = 265.0 MHz
ST40 BUS = 132.5 MHz
ST40 PER = 66.3 MHz
ST231 CPU = 384.0 MHz
SLIM CPU = 265.0 MHz
ST BUS = 192.0 MHz
EMI = 96.0 MHz
LMI = 192.0 MHz
Loading section .init, size 0x36 lma 0x84001000
Loading section .text, size 0x1ab80 lma 0x84001100
Loading section .fini, size 0x2a lma 0x8401bc80
Loading section .rodata, size 0xc34 lma 0x8401bcac
Loading section .eh_frame, size 0x94 lma 0x8401c960
Loading section .ctors, size 0x8 lma 0x8401c9f4
Loading section .dtors, size 0x8 lma 0x8401c9fc
Loading section .jcr, size 0x4 lma 0x8401ca04
Loading section .data, size 0x1d5c lma 0x8401ca10
Loading section .got, size 0xc lma 0x8401e76c
Start address 0x84001100, load size 120356
Transfer rate: 962848 bits in <1 sec, 12035 bytes/write.
dwFlashSize 0= 0x800000
nFlashCount = 1

_M_FLASH_BASE_ADDR = 0xa0000000 _M_FLASH_ENTIRE_SIZE = 0x800000 _M_FLASH_BLOCK_
SIZE: 0x10000

*****
*Coship Deploy Jan 10 2007 11:31:15 *
*****
```

- Wpisujemy “deploy” i naciskamy <enter>

```
C:\WINDOWS\system32\cmd.exe

Clock frequencies
PLL0 = 530.0 MHz
PLL1 = 384.0 MHz
ST40 CPU = 265.0 MHz
ST40 BUS = 132.5 MHz
ST40 PER = 66.3 MHz
ST231 CPU = 384.0 MHz
SLIM CPU = 265.0 MHz
ST BUS = 192.0 MHz
EMI = 96.0 MHz
LMI = 192.0 MHz
Loading section .init, size 0x36 lma 0x84001000
Loading section .text, size 0x1ab80 lma 0x84001100
Loading section .fini, size 0x2a lma 0x8401bc80
Loading section .rodata, size 0xc34 lma 0x8401bcac
Loading section .eh_frame, size 0x94 lma 0x8401c960
Loading section .ctors, size 0x8 lma 0x8401c9f4
Loading section .dtors, size 0x8 lma 0x8401c9fc
Loading section .jcr, size 0x4 lma 0x8401ca04
Loading section .data, size 0x1d5c lma 0x8401ca10
Loading section .got, size 0xc lma 0x8401e76c
Start address 0x84001100, load size 120356
Transfer rate: 962848 bits in <1 sec, 12035 bytes/write.
dwFlashSize 0= 0x800000
nFlashCount = 1

_M_FLASH_BASE_ADDR = 0xa0000000 _M_FLASH_ENTIRE_SIZE = 0x800000 _M_FLASH_BLOCK_
SIZE: 0x10000

*****
*Coship Deploy Jan 10 2007 11:31:15 *
*****
deploy
please input file name : _
```

- W linii “please input file name :” podajemy C:\ HDcombo.bin <enter>.
- Podajemy adres 0 <enter>
- Rozpocznie się flashowanie

```
C:\WINDOWS\system32\cmd.exe

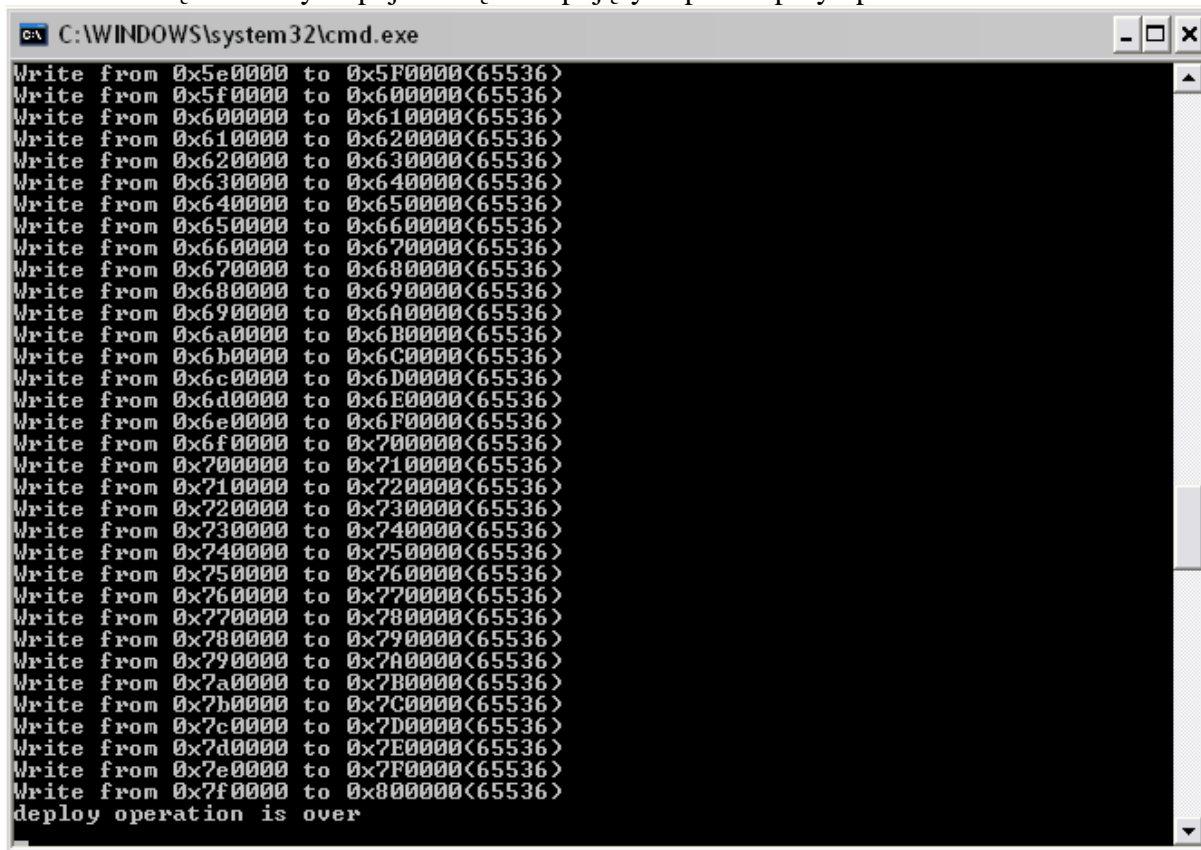
EMI = 96.0 MHz
LMI = 192.0 MHz
Loading section .init, size 0x36 lma 0x84001000
Loading section .text, size 0x1ab80 lma 0x84001100
Loading section .fini, size 0x2a lma 0x8401bc80
Loading section .rodata, size 0xc34 lma 0x8401bcac
Loading section .eh_frame, size 0x94 lma 0x8401c960
Loading section .ctors, size 0x8 lma 0x8401c9f4
Loading section .dtors, size 0x8 lma 0x8401c9fc
Loading section .jcr, size 0x4 lma 0x8401ca04
Loading section .data, size 0x1d5c lma 0x8401ca10
Loading section .got, size 0xc lma 0x8401e76c
Start address 0x84001100, load size 120356
Transfer rate: 962848 bits in <1 sec, 12035 bytes/write.
dwFlashSize 0= 0x800000
nFlashCount = 1

_M_FLASH_BASE_ADDR = 0xa0000000 _M_FLASH_ENTIRE_SIZE = 0x800000 _M_FLASH_BLOCK_
SIZE: 0x10000

*****
*Coship Deploy Jan 10 2007 11:31:15 *
*****
deploy
please input file name : c:\HDcombo.bin
please input start address : 0
starting write data to flash addr 0x0(base:0xa0000000), totla length is 8388608
bytes...
Write from 0x0 to 0x10000(65536)
Write from 0x10000 to 0x20000(65536)
Write from 0x20000 to 0x30000(65536)
Write from 0x30000 to 0x40000(65536)
Write from 0x40000 to 0x50000(65536)
Write from 0x50000 to 0x60000(65536)
```

Flash’owanie trwa około 2m

- Jak się zakończy to pojawi się następujący napis “deploy operation is over”

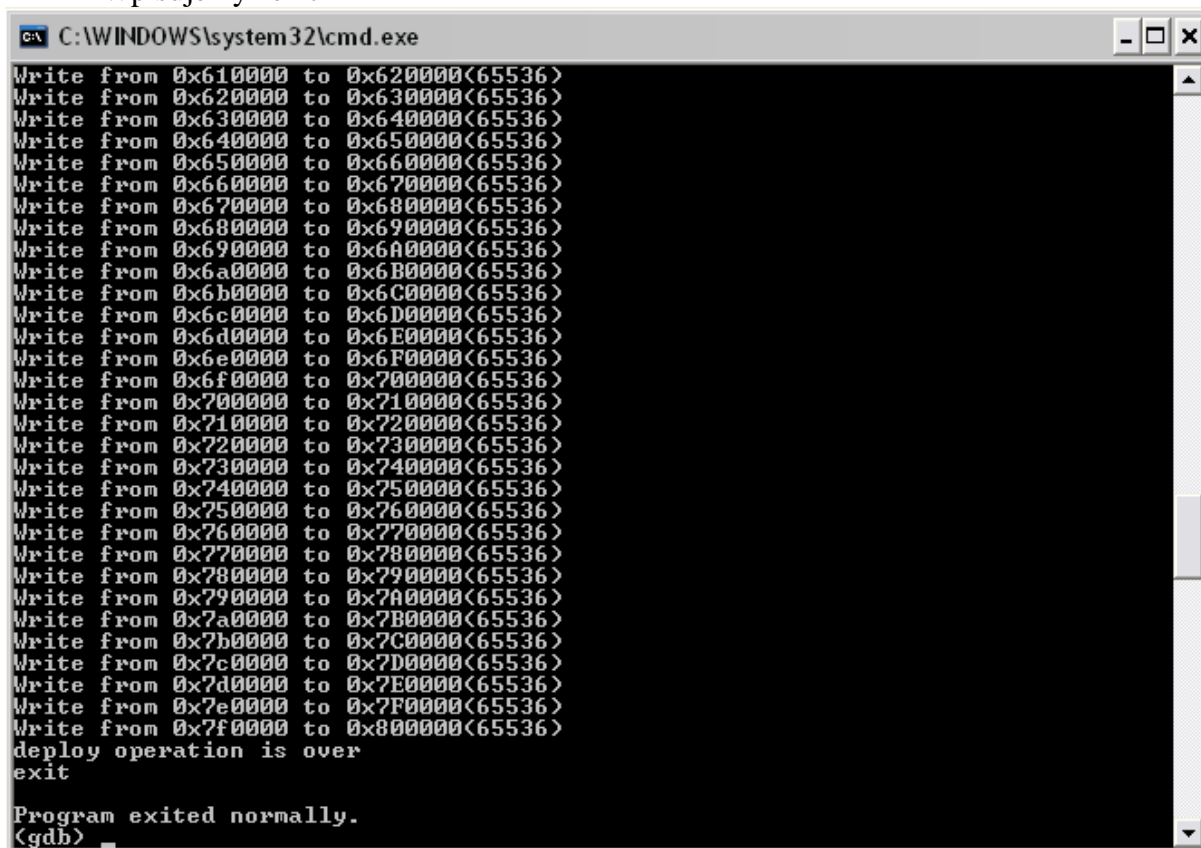


```

C:\WINDOWS\system32\cmd.exe
Write from 0x5e0000 to 0x5f0000<65536>
Write from 0x5f0000 to 0x600000<65536>
Write from 0x600000 to 0x610000<65536>
Write from 0x610000 to 0x620000<65536>
Write from 0x620000 to 0x630000<65536>
Write from 0x630000 to 0x640000<65536>
Write from 0x640000 to 0x650000<65536>
Write from 0x650000 to 0x660000<65536>
Write from 0x660000 to 0x670000<65536>
Write from 0x670000 to 0x680000<65536>
Write from 0x680000 to 0x690000<65536>
Write from 0x690000 to 0x6a0000<65536>
Write from 0x6a0000 to 0x6b0000<65536>
Write from 0x6b0000 to 0x6c0000<65536>
Write from 0x6c0000 to 0x6d0000<65536>
Write from 0x6d0000 to 0x6e0000<65536>
Write from 0x6e0000 to 0x6f0000<65536>
Write from 0x6f0000 to 0x700000<65536>
Write from 0x700000 to 0x710000<65536>
Write from 0x710000 to 0x720000<65536>
Write from 0x720000 to 0x730000<65536>
Write from 0x730000 to 0x740000<65536>
Write from 0x740000 to 0x750000<65536>
Write from 0x750000 to 0x760000<65536>
Write from 0x760000 to 0x770000<65536>
Write from 0x770000 to 0x780000<65536>
Write from 0x780000 to 0x790000<65536>
Write from 0x790000 to 0x7a0000<65536>
Write from 0x7a0000 to 0x7b0000<65536>
Write from 0x7b0000 to 0x7c0000<65536>
Write from 0x7c0000 to 0x7d0000<65536>
Write from 0x7d0000 to 0x7e0000<65536>
Write from 0x7e0000 to 0x7f0000<65536>
Write from 0x7f0000 to 0x800000<65536>
deploy operation is over

```

- Wpisujemy “exit”



```

C:\WINDOWS\system32\cmd.exe
Write from 0x610000 to 0x620000<65536>
Write from 0x620000 to 0x630000<65536>
Write from 0x630000 to 0x640000<65536>
Write from 0x640000 to 0x650000<65536>
Write from 0x650000 to 0x660000<65536>
Write from 0x660000 to 0x670000<65536>
Write from 0x670000 to 0x680000<65536>
Write from 0x680000 to 0x690000<65536>
Write from 0x690000 to 0x6a0000<65536>
Write from 0x6a0000 to 0x6b0000<65536>
Write from 0x6b0000 to 0x6c0000<65536>
Write from 0x6c0000 to 0x6d0000<65536>
Write from 0x6d0000 to 0x6e0000<65536>
Write from 0x6e0000 to 0x6f0000<65536>
Write from 0x6f0000 to 0x700000<65536>
Write from 0x700000 to 0x710000<65536>
Write from 0x710000 to 0x720000<65536>
Write from 0x720000 to 0x730000<65536>
Write from 0x730000 to 0x740000<65536>
Write from 0x740000 to 0x750000<65536>
Write from 0x750000 to 0x760000<65536>
Write from 0x760000 to 0x770000<65536>
Write from 0x770000 to 0x780000<65536>
Write from 0x780000 to 0x790000<65536>
Write from 0x790000 to 0x7a0000<65536>
Write from 0x7a0000 to 0x7b0000<65536>
Write from 0x7b0000 to 0x7c0000<65536>
Write from 0x7c0000 to 0x7d0000<65536>
Write from 0x7d0000 to 0x7e0000<65536>
Write from 0x7e0000 to 0x7f0000<65536>
Write from 0x7f0000 to 0x800000<65536>
deploy operation is over
exit
Program exited normally.
(gdb)

```

- Wpisujemy “quit” - program zostanie zamknięty

5. Po sflashowaniu HDcombo będzie miało soft z 2009-06-16 więc wgrywamy na to zawsze aktualne oprogramowanie.