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If you are not into hardware [Android development](#) is better page for you.

Service manual

[HTC Dream SM \(A04\).pdf](#)

How to brick your phone

- downgrade do [RC29](#) to get root
- this will install 1.22 radio
- install AmonRA
- be inpatient and flash DangerSPL
- correct way would be to first flash Radio 2.22 (?)

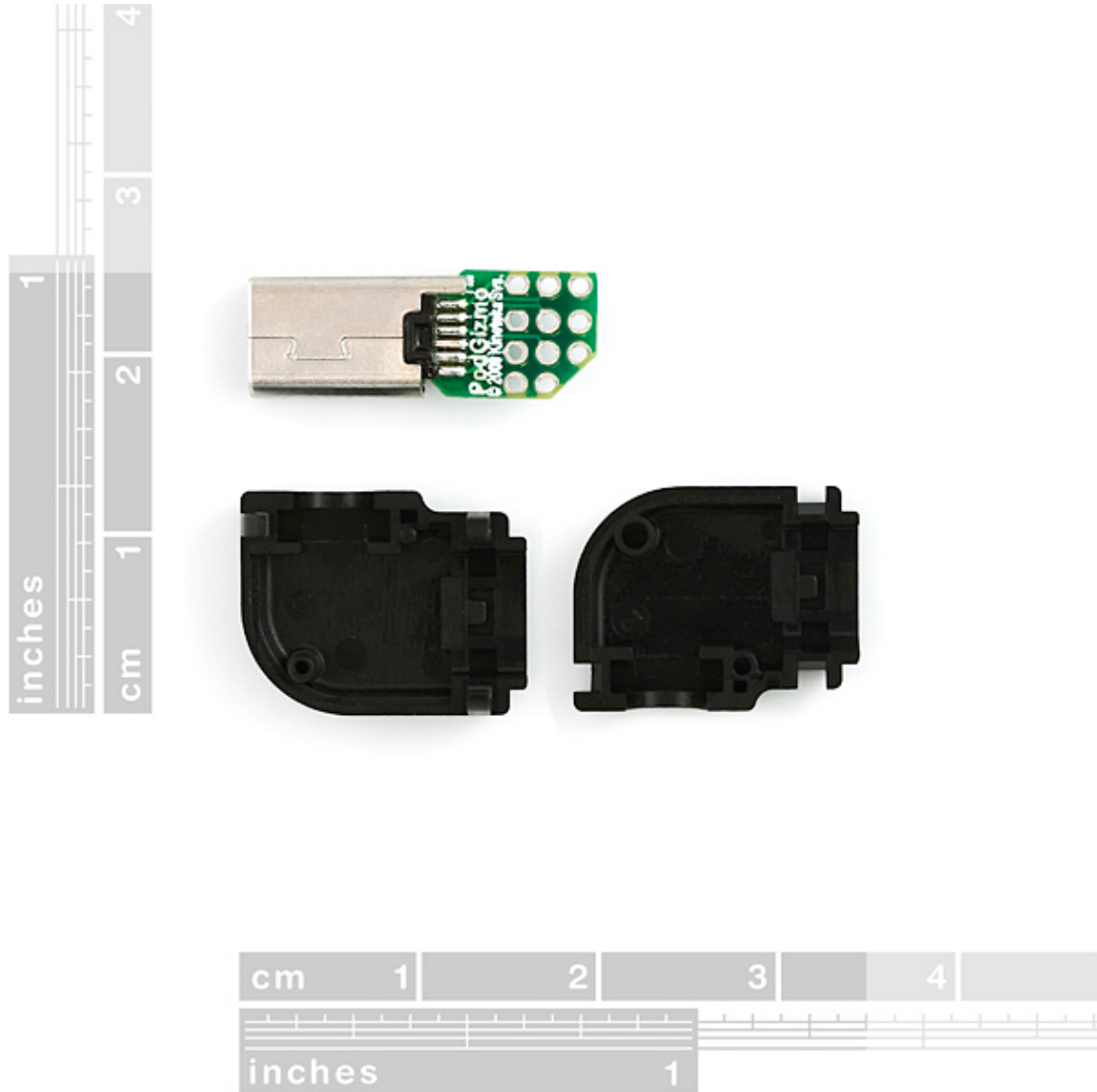
How to unbrick your phone

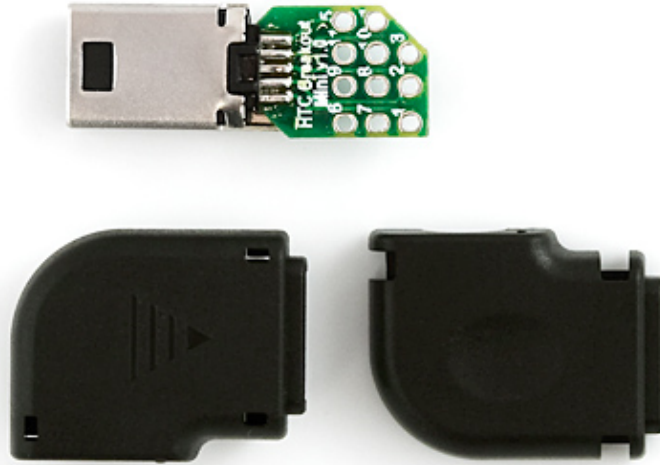
- <http://cafe.mobil.hr/threads/68894-HTC-G1-Dream-JTAG-i-serijski-kabel-za-unbrick>
- http://wiki.cyanogenmod.com/index.php?title=JTAG_for_Dream/Magic

Serial cable

ExtUSB connector

- http://handy-datenkabel.de/deutsch/produkte/datenstecker/index_usb.htm
- http://www.sparkfun.com/commerce/product_info.php?products_id=9167





- RS232<->TTL http://bestcelldist.com/htc_dream_serial_data_cable.html
- Upute: <http://www.hackolog.com/2010/08/06/constructing-the-android-g1-serial-to-usb-cable/>
- **swap rx/tx:**
https://groups.google.com/group/android-platform/browse_thread/thread/439d3f3af7a88a09/a0eb2d
- **3.3V** or 2.8V: <http://forum.xda-developers.com/showpost.php?p=4271889&postcount=28>

Nokia DKU-5

<http://pinouts.ru/forum/index.php?PHPSESSID=f3d7d4eae7be553fc6847f227bda1330&topic=358.msg5390>

I got an ark3116-based DKU-5 cable, and its pin layout is as following.

- 1: blue (ground-shield)
- 3: yellow
- 4: orange (3.3v)
- 6: green (rx)

7: white (tx)
8: red (ground)

I haven't tested them yet, so before connecting them, check the voltage btw orange and red.

use only non-nokia CA-42 cable <http://www.dealextreme.com/details.dx/sku.45715>

home-made alternative

sim+cable strip

<http://forum.xda-developers.com/showpost.php?p=7236424&postcount=724>

output

```
x200:/virtual/openmoko# ./neocon/neocon /dev/ttyUSB0  
[Open /dev/ttyUSB0]
```

```
boot reason: PM_KPD_PWR_KEY_ON_RT_ST
```

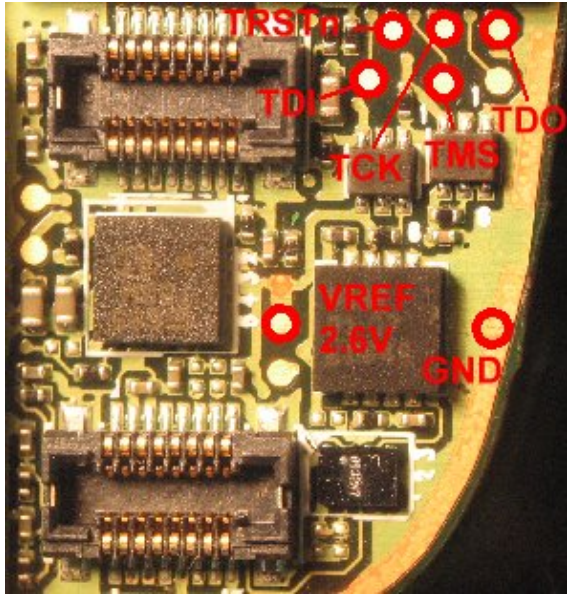
```
(PowerOn Status,Boot Reason)=(1,1)  
NAND_FLASH_READ_ID : SAMSUNG_256MB_FLASH_128MB_SDRAM
```

```
ARM9_BOOT_MODE1
```

Boot loader

- http://forum.xda-developers.com/wiki/index.php?title=Hermes_BootLoader
- http://forum.xda-developers.com/wiki/index.php?title=Hermes_BootLoaderPassword
- http://forum.xda-developers.com/wiki/index.php?title=Hermes_RadioBootLoader
- IMEI check: <http://forum.xda-developers.com/showthread.php?t=280819&page=2>

JTAG



<http://forum.xda-developers.com/showpost.php?p=6169249&postcount=481>

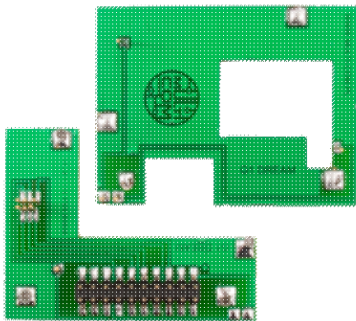
ARM_JTAG

VREF	1	2	VTARGET
NTRST	3	4	GND
TDI	5	6	GND
TMS	7	8	GND
TCK	9	10	GND
RTCK	11	12	GND
TDO	13	14	GND
RST	15	16	GND
DBGREQ	17	18	GND
DBGACK	19	20	GND

(PCB TOP VIEW)

JTAG board with connector

- http://www.multi-com.pl/index.php/en_US.details.id_pr.7183.menu_mode.categories.html
- info:jtag_htc_dream_google_g1_en.pdf



Low-power WIGGLER

- [LPT2LVJTAG_WIG.pdf](#)
- <http://forum.xda-developers.com/showpost.php?p=6055979&postcount=412>
- [dream_wiggler.cfg.txt](#)

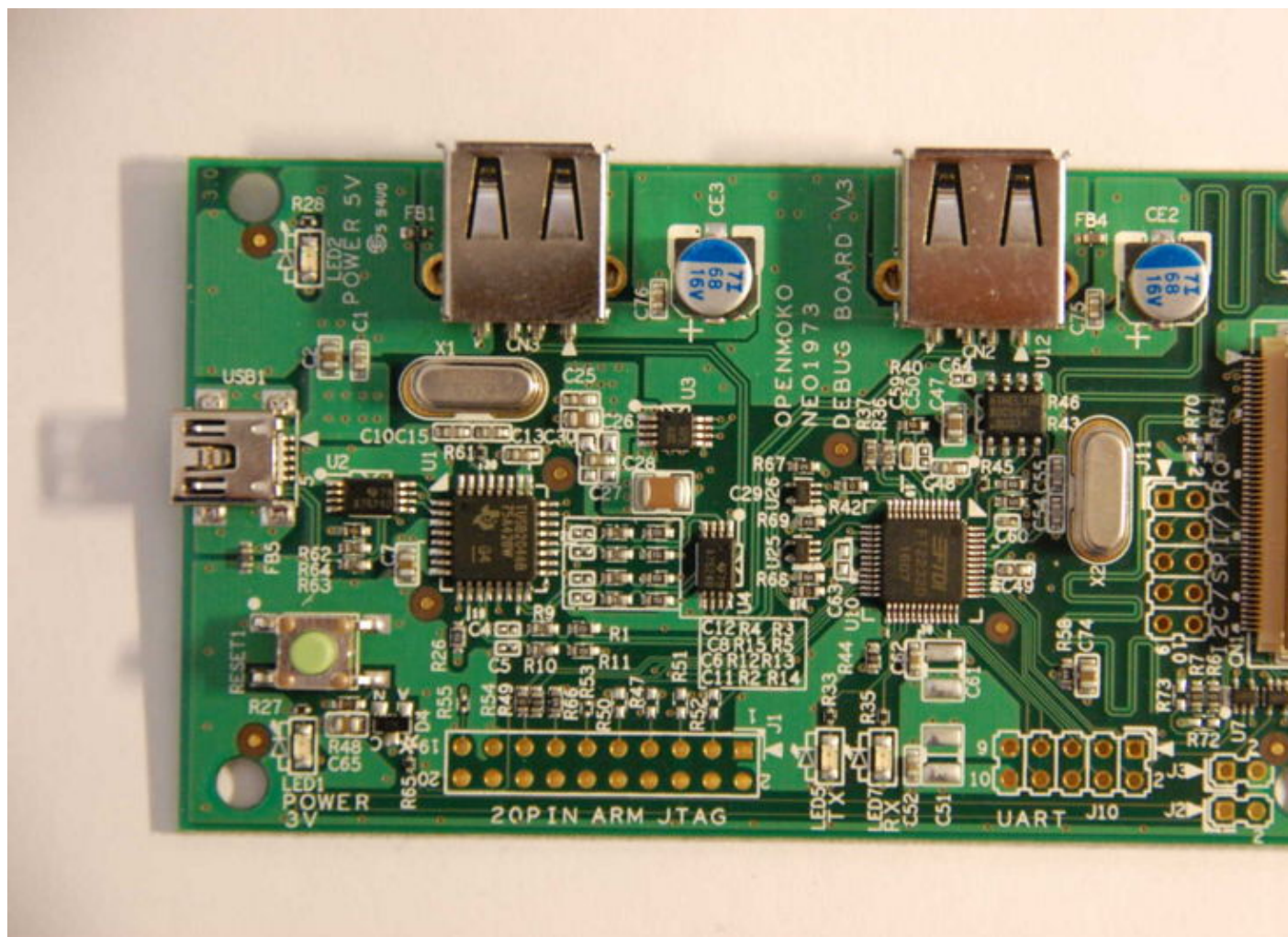
Info

- http://forum.xda-developers.com/wiki/index.php?title=JTAG_Softboot_for_Magic_and_Dream
- http://www.htcmania.com/mediawiki/index.php/JTAG_DREAM_AND_MAGIC
- <http://forum.xda-developers.com/showthread.php?p=6100287&highlight=radata#post6100287>
- <http://www.omnia-repair.com/forum/topic/htc-dream-g1-jtag>
- debugging: <http://forum.xda-developers.com/showthread.php?t=591048&page=67>

Reflash whole device: <http://www.omnia-repair.com/forum/topic/htc-dream-g1-jtag/page/2>

OpenMoko Debug Board

- http://wiki.openmoko.org/wiki/Debug_Board_v3



ROM

<http://code.google.com/p/htc-flasher/>

Radio

- <http://nah6.com/~itsme/cvs-xdadevtools/xda2nbftool/parsegsmv2.pl>

recovery.img

http://android-dls.com/wiki/index.php?title=HOWTO:_Unpack%2C_Edit%2C_and_Re-Pack_Boot_Images

Stats

camera+power

```
DREAM PVT 320 ENG S-OFF  
HBOOT-1.33.2005 (DREA10000)  
CPLD-4  
RADIO-2.22.19.261  
Apr 20 2009, 15:30:43
```

Board testpoints

Pictures are too large to be opened in browser!

- [dream_main_pcb.zip](#)