The FreeLock Project - Siemens C/S/M35

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Download unlock software: scm35.zip

Click here for the FreeLock Project - Cable and here for the corresponding interface cable for this phone.

- **ENGLISH**
  WARNING: Be sure to select the right file, corresponding to the software version in your phone. If not doing so you may kill your phone! If there does not exist a version for your phones software version, let me know. The following method was successfully tested with software version 5.

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1. Enter **#06#* on your phone and write down your IMEI.
2. Turn **OFF** your phone and remove the SIM card.
3. Turn **ON** your phone and enter **#0606#* and press the left softkey. You will see your phone's current locks.
4. Connect your C/S/M35 using a datacable to COM1.
5. Download **scm35.zip** and unpack it to a new folder
6. Start **x35_srv.exe** and click open
7. select the right image file for your phones software version
8. select com port where your phone is connected and select unlock
9. no click **do jobs**
10. Turn **OFF** the phone and back **ON**.
11. Enter **#0606#* and press the left softkey. The phone should show no locks now.
12. Turn **OFF**, enter your SIM card - that's it

- **GERMAN**
  WARNUNG: Achten Sie unbedingt darauf die richtige, zu der Softwareversion in Ihrem Telefon passende Datei auszuwählen da Sie sonst Ihr Telefon zerstören könnten. Sollte für die Softwareversion Ihres Telefons noch keine passende Datei existieren so lassen Sie mich das bitte per Mail wissen. Getestet wurde diese Methode mit Telefon Softwareversion 5.

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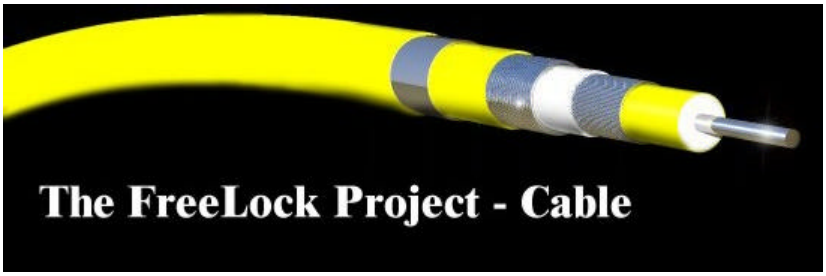
1. Geben Sie **#06#* ein und schreiben Sie sich Ihre IMEI auf.
2. Schalten Sie Ihr Telefon **aus** und entfernen Sie Ihre SIM Karte.
3. Schalten Sie Ihr Telefon **ein** und geben Sie **#0606#* ein und drücken Sie dann den linken SoftKey. Sie sehen jetzt die aktuellen Sperren Ihres Telefons.
4. Schließen Sie Ihr Telefon am COM1 Ihres PC's mit Hilfe eines Datenkabels an.
5. Entpacken Sie **scm35.zip** in einen neuen leeren Ordner
6. Starten Sie **x35_srv.exe** und klicken sie auf open
7. wählen Sie die richtige datei für die Softwareversion Ihres Telefons
8. wählen Sie den Anschluss an dem Ihr telefon am PC angeschlossen ist
9. wählen sie **unlock**

10. klicken Sie auf **do jobs**
11. Schalten Sie Ihr Telefon **aus** und wieder **ein**.
12. Geben Sie **#0606#* ein und drücken Sie den linken SoftKey. Das Telefon sollte jetzt keine Sperren mehr anzeigen.
13. Schalten Sie Ihr Telefon **aus** und setzen Sie Ihre SIM Karte wieder ein - Das wars.



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Some general infos

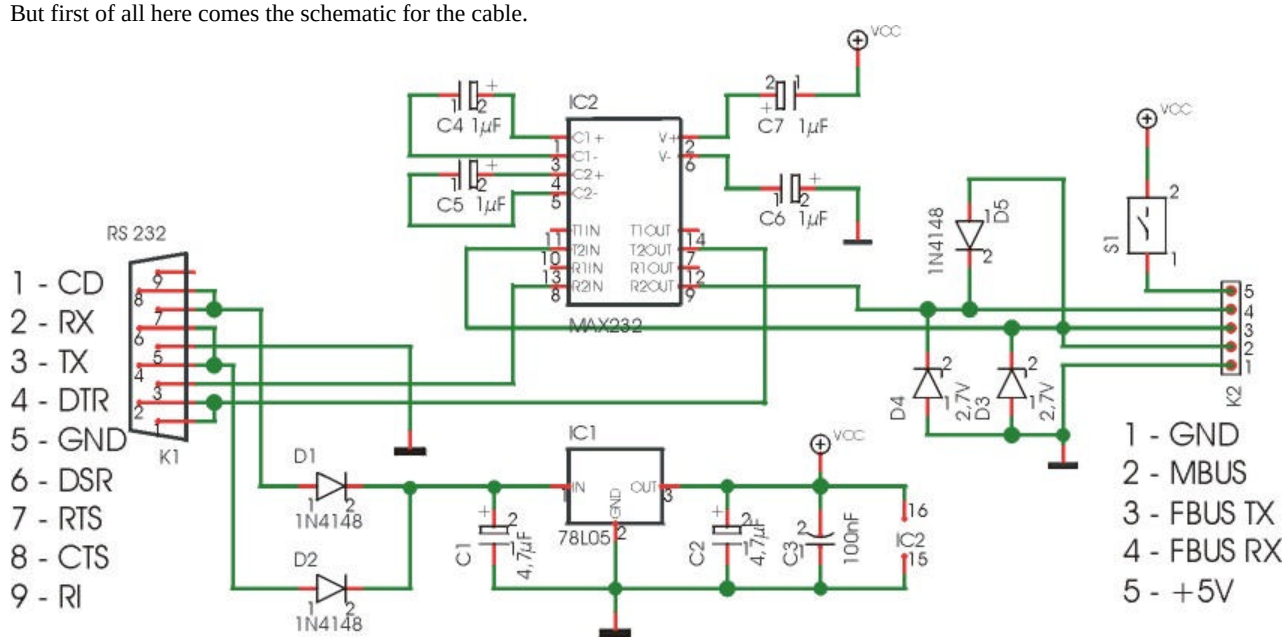
On this pages you will find informations on how to build the FreeLock Project cable. I have tried to find a solution where one cable fit's all phones. There are 2 ways to build this cable.

1. The schamtic
2. Build the cable with a PCB (not so cheap)
3. Build the cable with a breadboard (cheap)
4. Some pictures of the prototype

If you prefer (1) you have to expose, etch and drill the PCB. This is no easy task (you need a lot of equipment) and it's also not very cheap except you would build a large amount of cables. (2) is very cheap, takes 1 hour to build and all you need is a soldering iron, and some pliers.

The schematic

But first of all here comes the schematic for the cable.



It's very simple. The circuit is powered via the signals RTS, CTS and DSR, DTR from the RS 232 port of the PC. Via the Diodes **D1**, **D2** the power comes in the right polarity to **IC1** the 78L05. **IC1** and the capacitors **C1**-**C3** stabilizes the power to 5V because

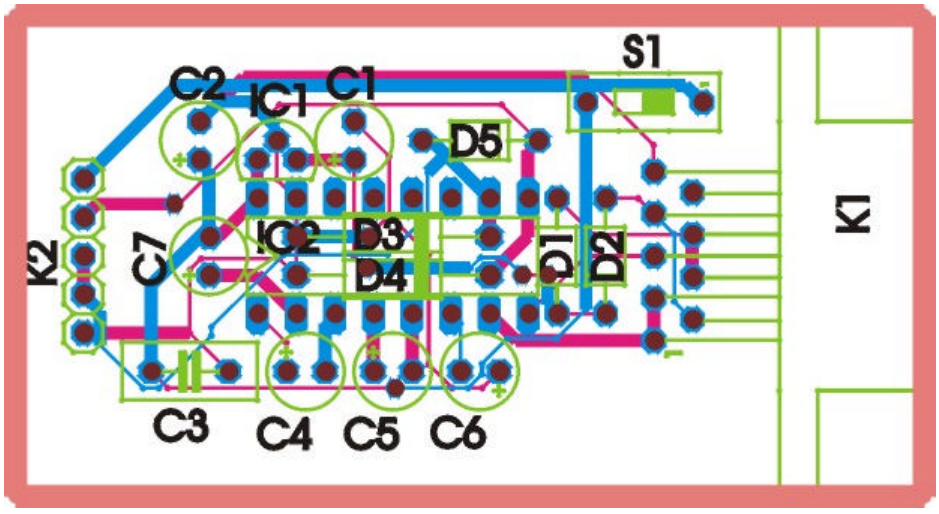
normaly the RS 232 operates at 12V. The RX and TX lines of the PC are connected to **IC2** the MAX 232. This IC is responsible for converting the signal levels from the PC RS 232 to the phones M/FBUS level of 3V. The Zenerdiodes **D3**, **D4** acts as a safety function for your phone and are mounted inside the socket for the IC1. Capacitors **C4**-**C7** are needed by **IC2** for the conversion. The PC is connected via the 8Pin RJ45 **K1** Jack. The signals have the same numbering as on the PC. Only pin 9 of the PC (RI ring indicator) is not needed. With the switch **SW1** you can switch on and off +5V for output to the phone. Some phones need a high level of +5V on one pin to enter service mode (like the ERICSSON SH888). For MBUS operation **D5** is needed. Please note that **D5** is mountet on the bottom of the prototyping version of the cable. Output to the phone goes through the 5pin connector. Depending on the phone you only connect the pins necessary. You will find the cabling schematics on the respective unlock page for the phone.

- **The partslist**

Qty.	Description	Part
1	MAX 232	IC2
1	DIL 16 Socket for the MAX 232	
3	Diode 1N4148	D1, D2, D5
2	Zener Diode 2,7V	D3, D4
1	78L05	IC1
4	ELKOS 1µF 16V	C4, C5, C6, C7
2	ELKOS 4,7µF 63V	C1, C2
1	Capacitor 100nF	C3
1	Switch 1 x ON/OFF	SW1
1	RJ45 Socket	K1
1	5 x Socket	K2
1	PCB or prototyping board	

- **Building the cable using a PCB**

This PCB is dual layered for small size. If you know how to create a PCB it should be no big problem.

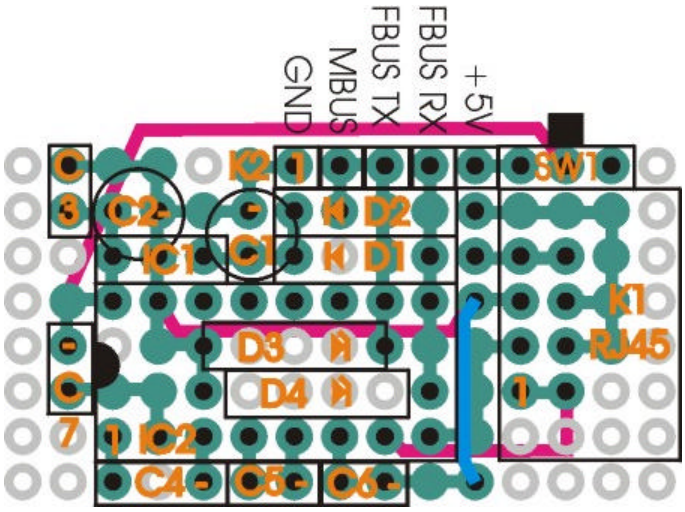


More informations as PDF. Get Acrobat Reader

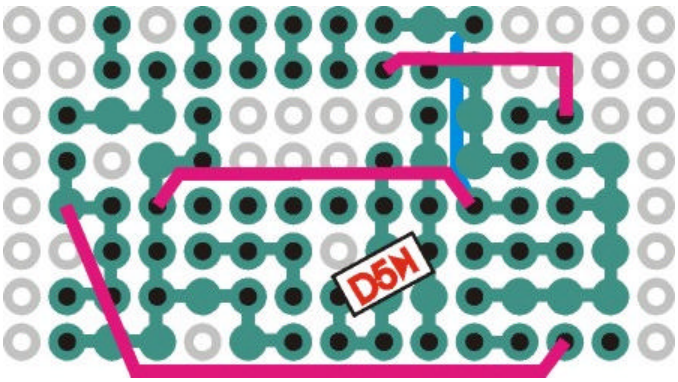
- **Building the cable using a prototyping board**

Start by soldering in the Socket for the MAX 232, the blue bridge and the RJ45 Jack J1. Next solder in the Zenerdiodes D3, D4. Now the Diodes D1, D2. After this solder C3, C5-C7. The area C1, C2 and T1 is a little tricky. First solder C1, C2. Now insert T1 between IC1 and C2. Finish by soldering C4, SW1 and the 5pin jack. Now flip the board. Solder the red bridges. As you can see Diode D5 is mounted on the bottom of the board.

Full view (TOP)



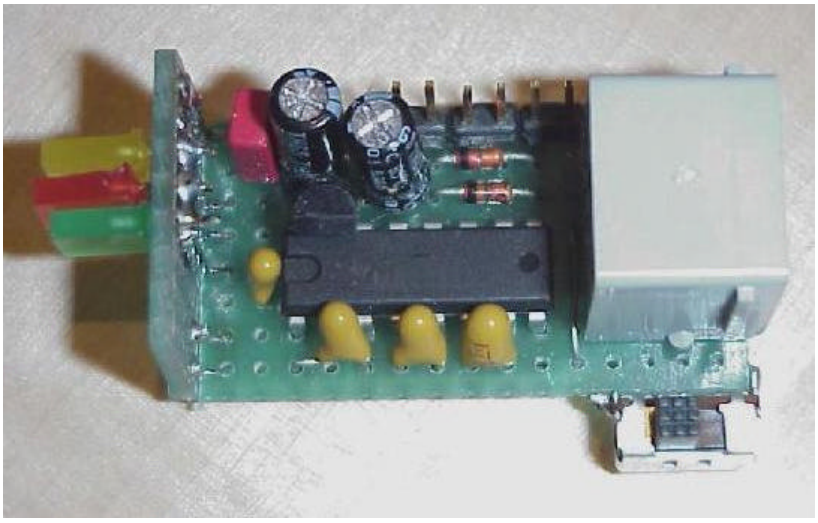
Full view (BOTTOM)

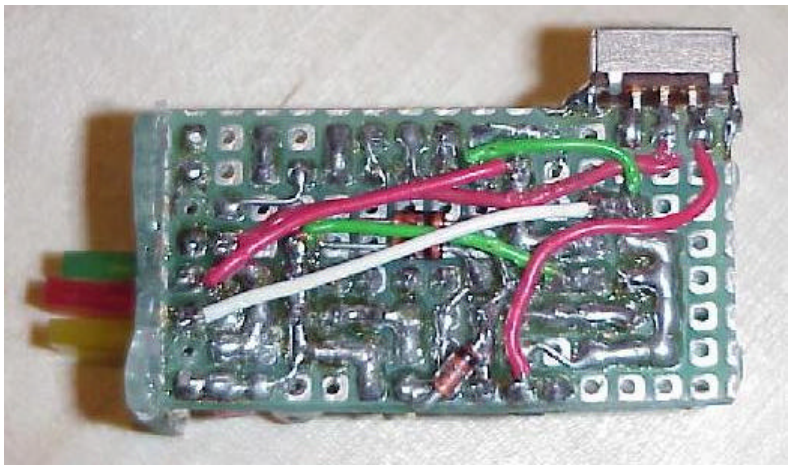


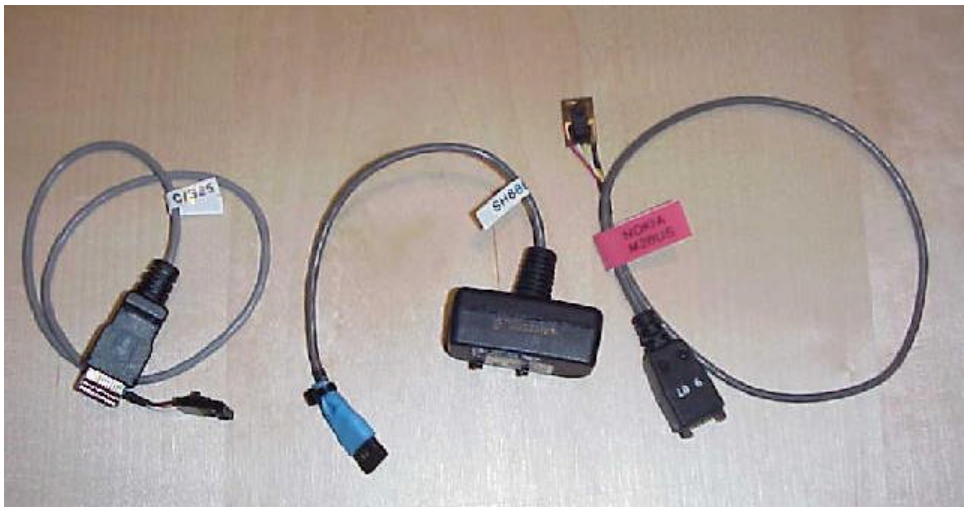
More informations as PDF. Get Acrobat Reader

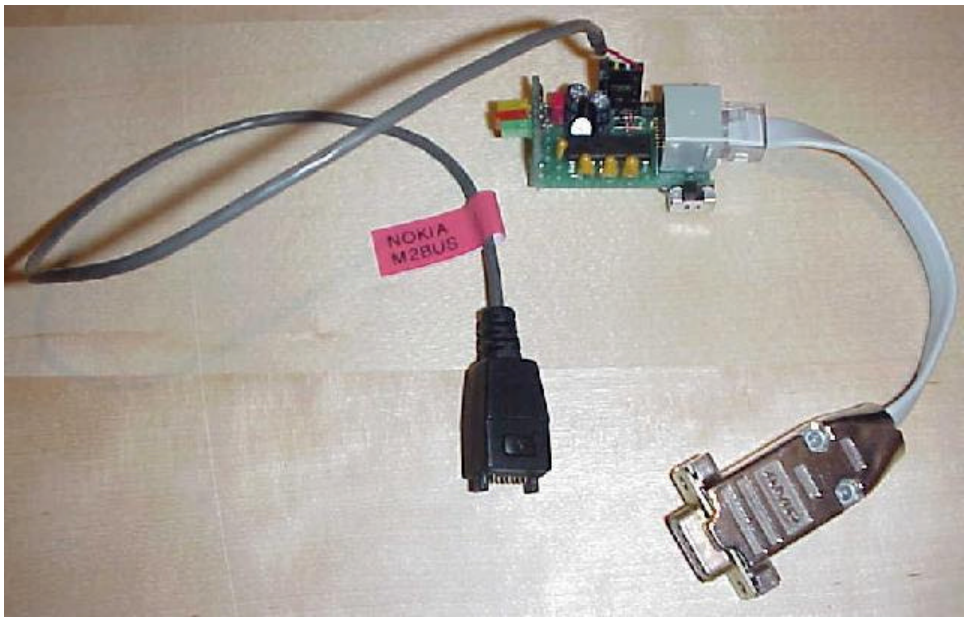
- **Some pictures of the prototype**

This are some pictures of the prototype version of the cable. As you can see it is not exact the same layout as described above. Also I have added some led's for quick diagnostics of power and data flow.





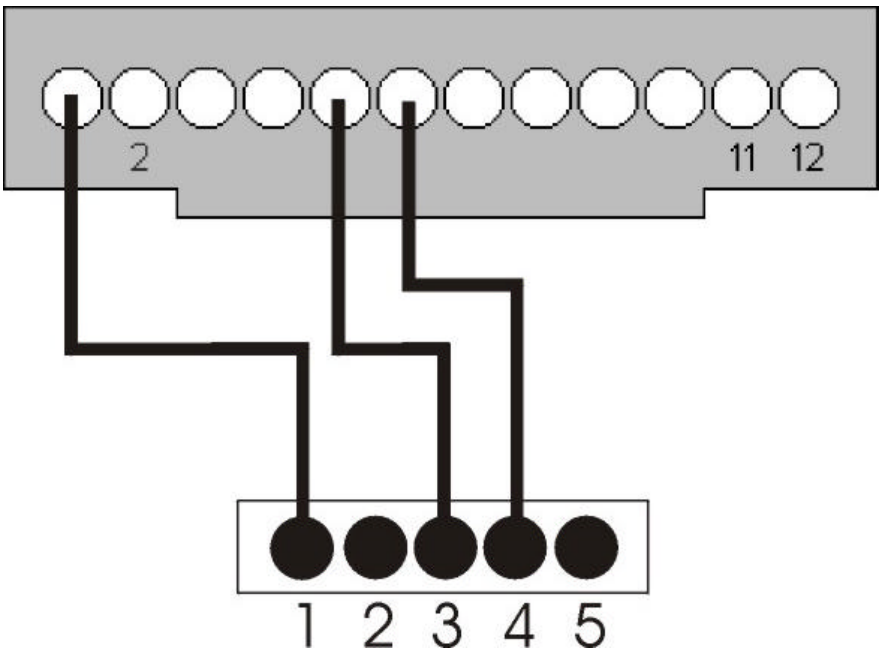

CI325
SH88
NOKIA
M2BUS



- **Feedback**
  If you have any suggestions, infos or find errors please let me know. This cable is not as high sophisticated as it could be. It is a compromise between easy to build, safe and to fit as much phones as possible.

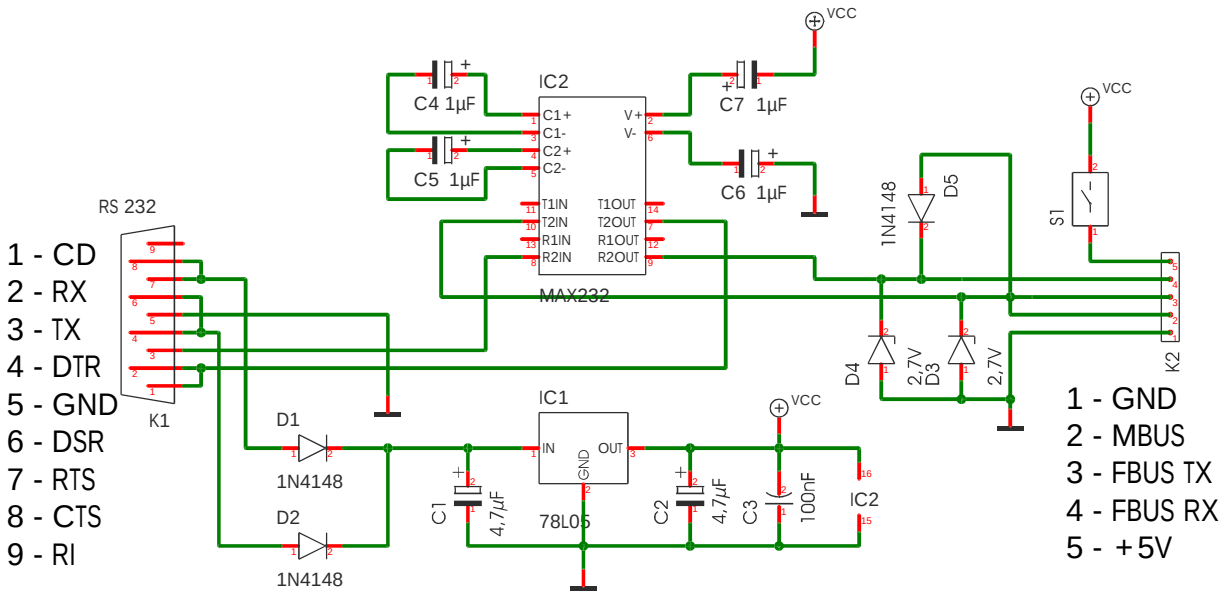
The FreeLock Project - Siemens C/S/M35 Interface cable

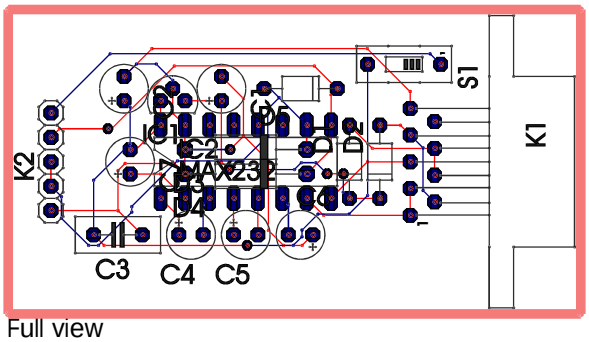
Cabe schematic between C/S/M35 and the FreeLock cable



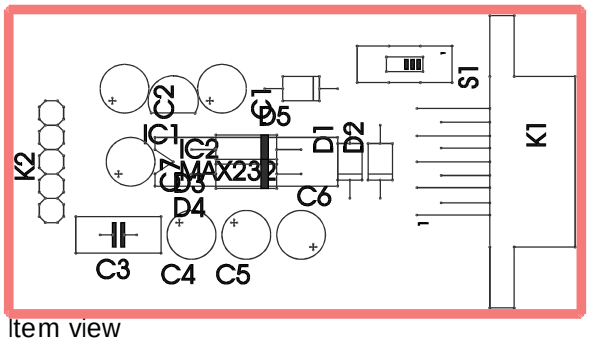
Pin	Name	Function	Misc	in / out
1	GND	Ground		
2	SB	Loader control	LOW = 150mA-loader HIGH = 1A-loader	in / out
3	CHARGE	Loader power	U = 6,1V - 8,0V	in
4	BATT	power supply for accessoaries	U = 3,0V - 3,9V Umin = 2,6V Imax = 100mA	out
5	DATA OUT		PullUp inside phone	out
6	DATA IN		PullDown	in
7	Z_CLK	Accessoaries control		
8	Z_DATA	Accessoaries control/data		
9	MICG	GND for MIC		in
10	MIC		U = 1,5Vpp	
11	AUD	Speaker	U = 1,5Vpp	out
12	AUDG	GND for speaker		

The FreeLock Project - Cable

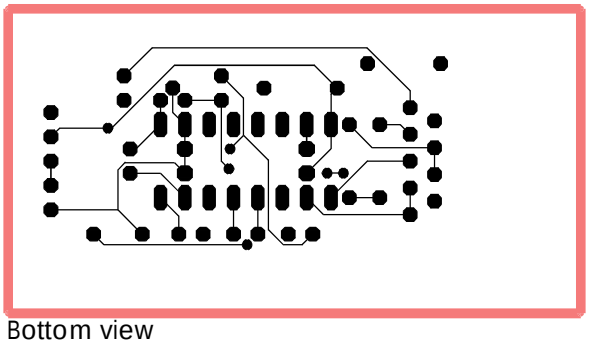




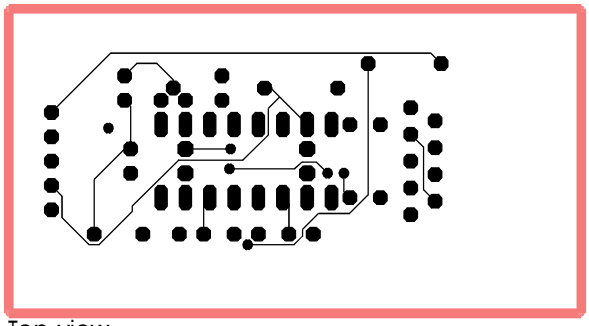
Full view



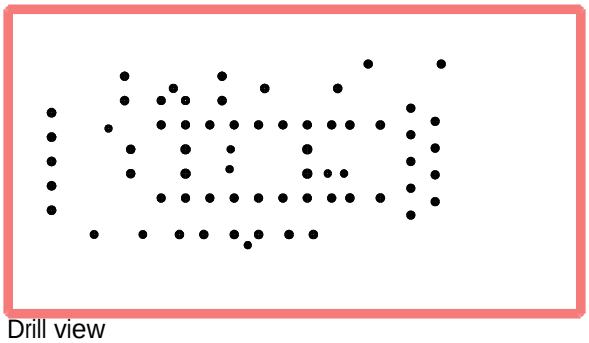
Item view



Bottom view

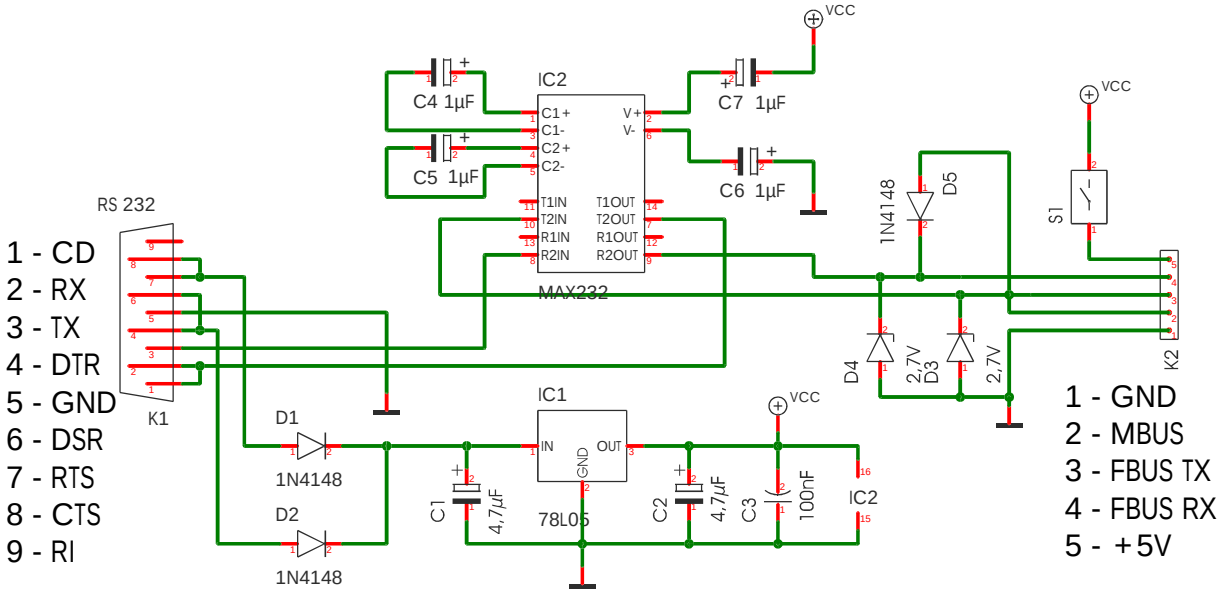


Top view

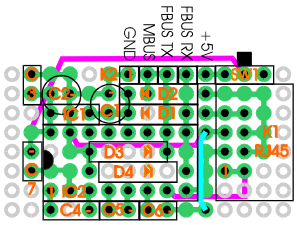


Drill view

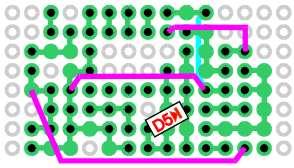
The FreeLock Project - Cable



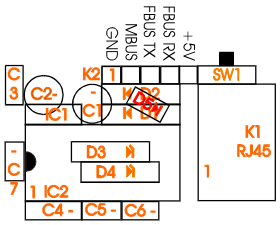
Full view (TOP)



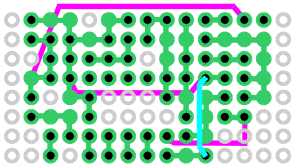
Full view (BOTTOM)



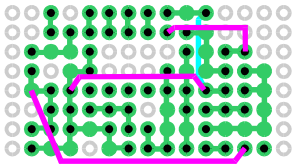
Full Item view (TOP)



Layout view (TOP)



Layout view (BOTTOM)



Just layout (BOTTOM)