GTA02 can switch off vddio to save 1mA

Appears to be half-duplex I2S:
DIN = SD, XCS = WS, SCL = SCK
If McBSP does not work, we can use GPIO

If TSC does not work, we can use GPIO
configure NAND

BOOT5 can be reprogrammed to Mode 4 (GPIO7)

USER/Peripheral Boot

configure ONE NAND

encode board revision

GTA04A2
GTA04A4
GTA04A5
GTA04A3
GTA04A6
GTA04A7
GTA04A8
GTA04A9

CPU, SD Card, PCB Vers

Title: GTA04

Document Number:

Rev:

Date: nicht gespeichert!

Sheet: 3/20
connect shortest path to AGND

Battery contains BQ27000

Alternative: TPS73632/33

DM3730CBP100

has suboptimal C1212 footprint!

(c) 2013-14 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-NC-SA.
Audio & Video

TITLE: GTA04

Document Number: 

Date: nicht gespeichert! Sheet: 7/20

(c) 2013 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-NC-SA.
optional MCPC interface needs ESD protection therefore not implemented
SiM02 hat 0.4mm pitch!!!

Master Mode

Slave Mode

UMTS Modem + SIM

with kind permission by OPTION

(c) 2012-15 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-NC-SA.
null modem

*install C1101/2, L1102/4 according to antenna type*

**main antenna (at top of GTA04)**

**secondary (on the side of GTA04)**

2.4 or 5GHz antenna

---

(c) 2016 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-NC-SA.
GPS

Set LDO to 3.0V

if no antenna switch: keep R1207, make R1207, R1208, R1212 0R

(c) 2012-15 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-NC-SA.
Si4705 is pin compatible (mostly) but RX-only
Camera

TITLE: GTA04

Document Number: 

REV: 

Date: nicht gespeichert!

Sheet: 17/20

(c) 2013 Golden Delicious Computers GmbH&Co. KG. Licensed under CC-BY-NC-SA.