place in scan matrix? would need 3-4 wires to upper board instead of 2!
No, V0L+ or V0L- can either be connected to GPIOs
or drive two FETs that sit in the keyboard matrix
in any case it is sufficient to connect GPIO-V0L+ and V0L- to two pins on the B2B

Buttons

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problem: this is a 0.5mm BGA making lower board expensive!
problem: analog mic is on upper board!
alternative: place on upper board
pin assignment tbd. (draft copied from GTA04Custom)
Charging bypass

do we need to control D+/D- of USB3 to enable high charging current?
latchup risk by reverse current? (limited to 2.1 mA)

may need controller!
made threshold at 4.5V

CBUS can't be easily used as GPIOs
should we be able to trigger reset?
trigger power on?

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UCHL3020???
main camera cover proxi sensor

Flash LED driver  80P163 (expensive)
Flash LEDs  2xCLN6A-M5U-DJOK0233

provide I2C2 + power

Battery Cover detect

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**uSD Breakout Board**

**TITLE:** GTA04b7_lower

**Document Number:**

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