



Place this components nearest to MCU:
**R13/R14/C29/Y1/C33
 C34/C11/C22/L1**

Check pins do NOT contacting plugcase

For full RS232 HW-handshake close Solder Pads P1 to P4. NOT if I2C bus functions are used.

To select onboard analog functions > close corresponding Solder Pads

Switch S1 (PE2) used for Force Bootloader Execution.

Close Solder Pad to use parallel programming mode (12V on NRST Pin !)

Caution: Data Flash only with 3.3V voltage regulator (U4)

Components in blue colored area for minimal configuration.

If VBUS Icc Limiter not mounted > close Pad P5

Optional Power supply Components if needed.

VBUS generator for OTG / HOST mode

Decoupling capacitors place nearest to all integrated-circuits.

Remove this capacitors

Title		(NTB Abt. INFORMATIK)	
ATMEL AVR-USB uC-Evaluationboard			
Size	Number	Revision	
A3	NTB-AVR-USB-uCB	Rev.2.2 C	R.Haller
Date:	24-May-2007	Sheet of	
File:	C:\Documents and Settings\haller\Desktop\AVR-USB-Board\Aktuell-3-07\AVR-USB-uPB-Stand-März07.ddb		