









USB HUB USB downstream +5V USB\_C\_Receptacle\_USB2.0 +5V +3.3٧ J4 +5V USB\_C\_Receptacle\_USB2.0 +5V +3.3V ⇒VBUS ∍VBUS × A5 × B5  $\frac{\times A5}{\times B5}$ +3.3V  $\rightarrow$ (USB\_D2-GND GND (USB\_D1-) RC rise time 6.5ms aprox В7 ₩ ¥ TUSB2046b (USB\_D2+ (USB\_D1+ В6 +3.3V DP1 12 D1+ RESET (USB\_D1+) X2 GND 625L3C006M00000 11 D1- $\times \frac{A8}{\times B8}$ × A8 SBU1 × B8 SBU2 DM1 (USB\_D1-) ⇒SBU2 4 VCC CLK 30 XTAL1 29 XTAL2 DP2 16 D2+ (USB\_D2+) (USB\_D2-) DM2 15 D2-EN GND 2 DP3 | 20 D3+ DM3 | 19 D3-(USB\_D3+) (USB\_D3-) (USB\_DO+ DP0 USB\_DO-DMO GND GND DP4 24 D4+ +5V USB\_C\_Receptacle\_USB2.0 +5V +3.3V USB\_D4+ USB\_D4-DM4 23 D4--VBUS PWRON1 00× ×5 EECLK PWRON2 33  $\frac{\times A5}{\times B5}$ EEDATA/GANGED PWRON3 53 EXTMEM PWRON4 31 +3.3V (USB\_D3-TSTPLL/48MCLK В7 TSTMODE OVRCUR1 50 (USB\_D3+) x32 SUSPND OVRCUR2 34 OVRCUR3 38  $\rightarrow$ × 88 × 88 GND GND ⇒SBU1 ⇒SBU2 ovrcur4 32 GND GND Disable EEPROM Configure device for 6MHz operation GND GND ESD protection +57 +5٧ SRV05-4 SRV05-4 (USB\_D1-) (USB\_D2-) (USB\_D3-) Sheet: /USB\_HUB/  $\Diamond$ File: USB\_HUB.sch Title: Size: A4 Date: Rev: KiCad E.D.A. kicad (5.1.8)-1 ld: 6/6