









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