









USB HUB USB downstream +5V USB_C_Receptacle_USB2.0 +5V +3.3\ +3.3V J4 +5V USB_C_Receptacle_USB2.0 +3.3V +5V RC rise time 6.5ms aprox ⇒VBUS =VBUS 100nF 1uF × A5 × B5 +3.37 $\frac{\times A5}{\times B5}$ CC1 +3.3V CC2 \uparrow \rightarrow (USB_D2-GND GND (USB_D1-) 74AHC1G1 Т<u>USB2046ь</u> В7 GND (USB_D2+) GND (USB_D1+) В6 +3.37 DP1 12 D1+ RESET (USB_D1+) X2 625L3C006M00000 11 D1-× 88 × 88 DM1 USB_D1-× A8 →SBU1 ⇒SBU2 ×B8 SBU2 4 VCC CLK 3 30 XTAL1 ×29 XTAL2 DP2 16 D2+ (USB_D2+) GND GND DM2 15 D2-GND GND USB_D2-L1 EN GND 2 (USB_D3+) (USB_D3-) (USB_DO+ DP0 DM3 19 D3-USB_DO-DMO GND GND DP4 24 D4+ +5V USB_C_Receptacle_USB2.0 +5V USB_D4+ USB_D4-DM4 23 D4--VBUS PWRON1 00× +3.3V ×5 EECLK PWRON2 33 $\frac{\times A5}{\times B5}$ EEDATA/GANGED PWRON3 33 USB bypass EXTMEM PWRON4 31 +3.3V (USB_D3-TSTPLL/48MCLK В7 (USB_D0+ TSTMODE OVRCUR1 50 USB_D0-(USB_D3+) x32 SUSPND OVRCUR2 34 OVRCUR3 58 × A8 =SBU1 × B8 =SBU2 GND ovrcur4 32 GND \rightarrow GND GND 7 28 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