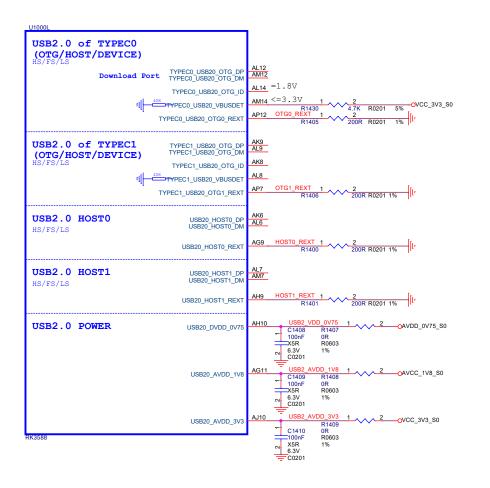


RK3588 M(TYPEC/DP) USB3.0 OTG/DP1.4 Alt TYPEC0_SBU1/DP0_AUXP TYPEC0_SBU2/DP0_AUXN of TYPECO TYPEC0_SSRX1P/DP0_TX0P TYPEC0_SSRX1N/DP0_TX0N USB:U3/Gen1----Controller0 AP13 DP:RBR/HBR/HBR2/HBR3 TYPEC0_SSTX1P/DP0_TX1P TYPEC0_SSTX1N/DP0_TX1N AN14 TYPEC0_SSRX2P/DP0_TX2P TYPEC0_SSRX2N/DP0_TX2N TYPEC0_SSTX2P/DP0_TX3P TYPEC0_SSTX2N/DP0_TX3N R1402 1 2 8 2K R0201 1% TYPEC0_DP0_REXT TYPEC_VDD_0V85 TYPEC0_DP0_VDD_0V85 AH14 TYPEC0_DP0_VDDA_0V85 C1401 100nF 1uF X5R 6.3V — C0201 100nF X5R 6.3V — C0201 TYPEC_VDDH_1V8 AG14 TYPEC0 DP0 VDDH 1V8 C1403 X5R 6.3V — C0201 USB3.0 OTG/DP1.4 Alt of TYPEC1 TYPEC1_SBU1/DP1_AUXP AM10 TYPEC1_SBU2/DP1_AUXN USB:U3/Gen1----Controller1 TYPEC1_SSRX1P/DP1_TX0P TYPEC1_SSRX1N/DP1_TX0N DP:RBR/HBR/HBR2/HBR3 TYPEC1_SSTX1P/DP1_TX1P AP9 AN9 TYPEC1_SSTX1N/DP1_TX1N AN10 TYPEC1_SSRX2P/DP1_TX2P TYPEC1_SSRX2N/DP1_TX2N AP11 AN11 TYPEC1_SSTX2P/DP1_TX3F TYPEC1_SSTX2N/DP1_TX3N AG16 TYPEC1_REXT TYPEC1 DP1 REXT OTYPEC_VDD_0V85 TYPEC1_DP1_VDD_0V85 TYPEC1_DP1_VDDA_0V85 C1404 1uF C1405 100nF X5R 6.3V X5R 6.3V C0201 6.3V TYPEC1_DP1_VDDH_1V8 OTYPEC_VDDH_1V8 C1406 C1407 X5R 6.3V 6.3V USB30/DP1.4 Alt Mode Configuration DP x4Lane DP TX Lane0-3 Option1 Option2 USB30 x4Lane USB30 Lane0-3 USB30:Lane0 Lane1 Option3 USB30X2Lane+DPX2Lane DP:Lane2 Lane3 USB30:Lane2 Lane3 USB30X2Lane+DPX2Lane Option4 DP:Lane0 Lane1

RK3588_L(USB2.0 HOST/OTG)



Note:

The USB20_VBUSDET pin internal has a pull-down resistance(40K ohm) to ground, The resistance creates a voltage with the external series 30K ohm resistor. The VBUSDETpin voltage range <=3.3V.

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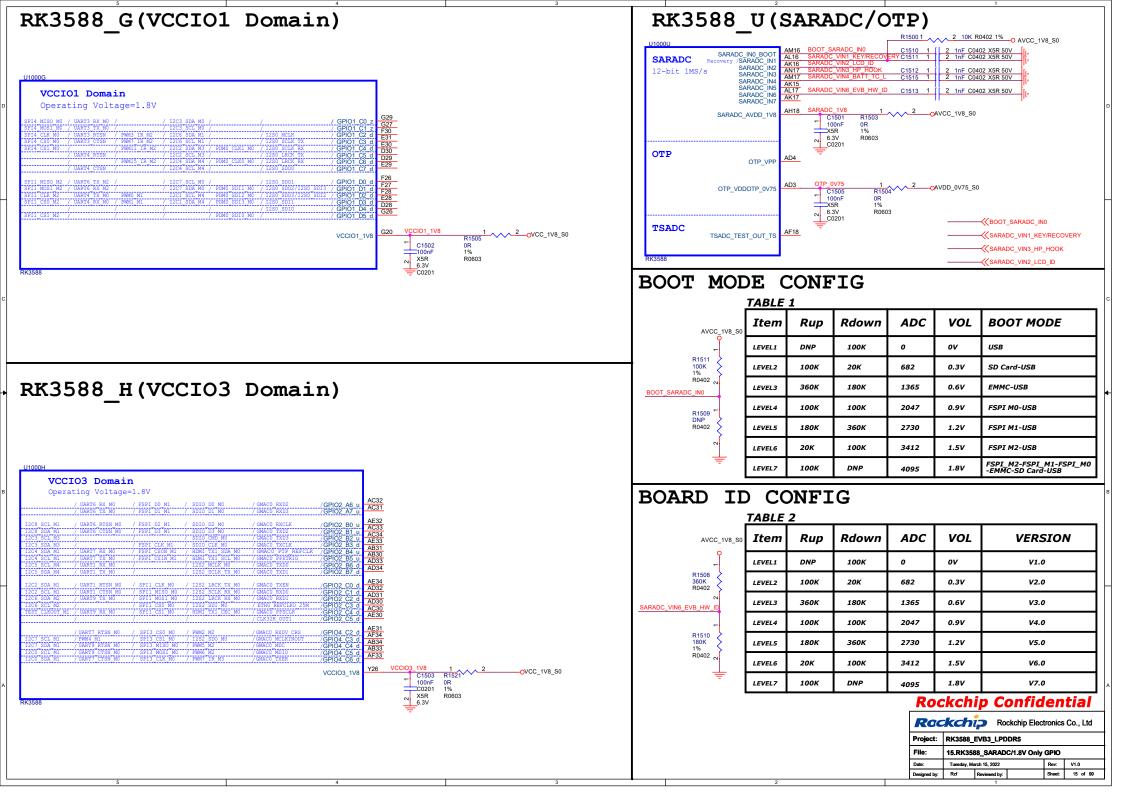
Rockchip Electronics Co., Ltd				Co., Ltd
Project:	RK3588_EVB3_LPDDR5			
File:	14.RK3588_USB30/USB20_Ctrl			
Date:	Tuesday, March 15, 2)22	Rev:	V1.0

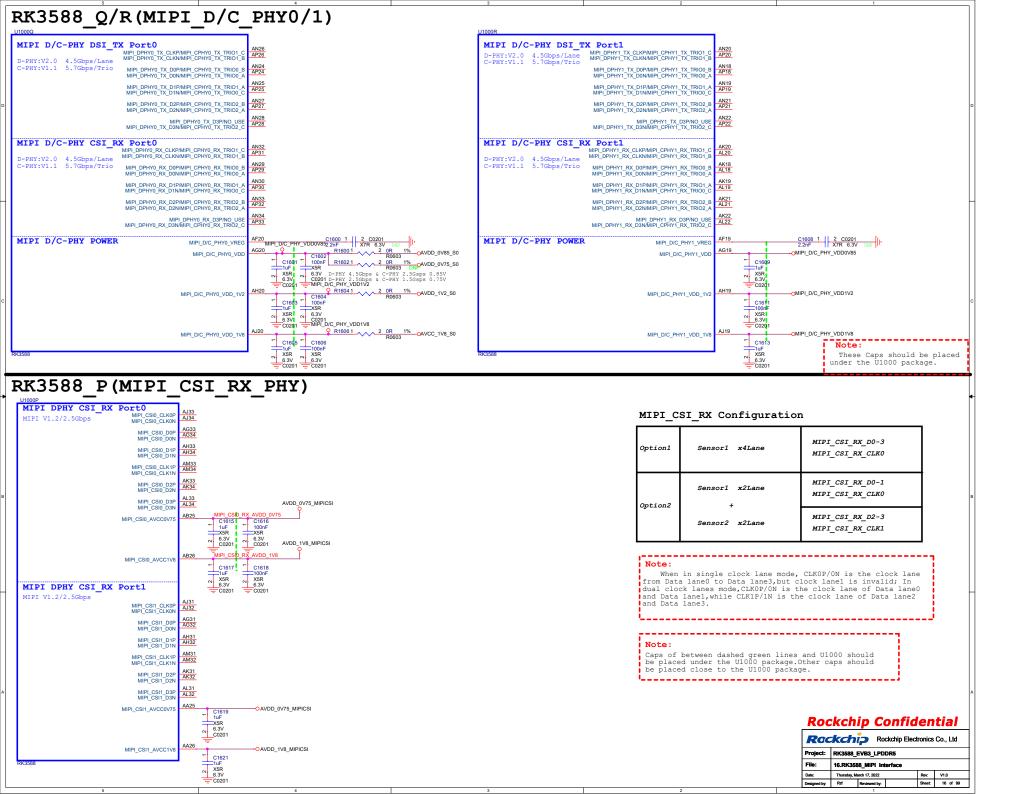
Reviewed by:

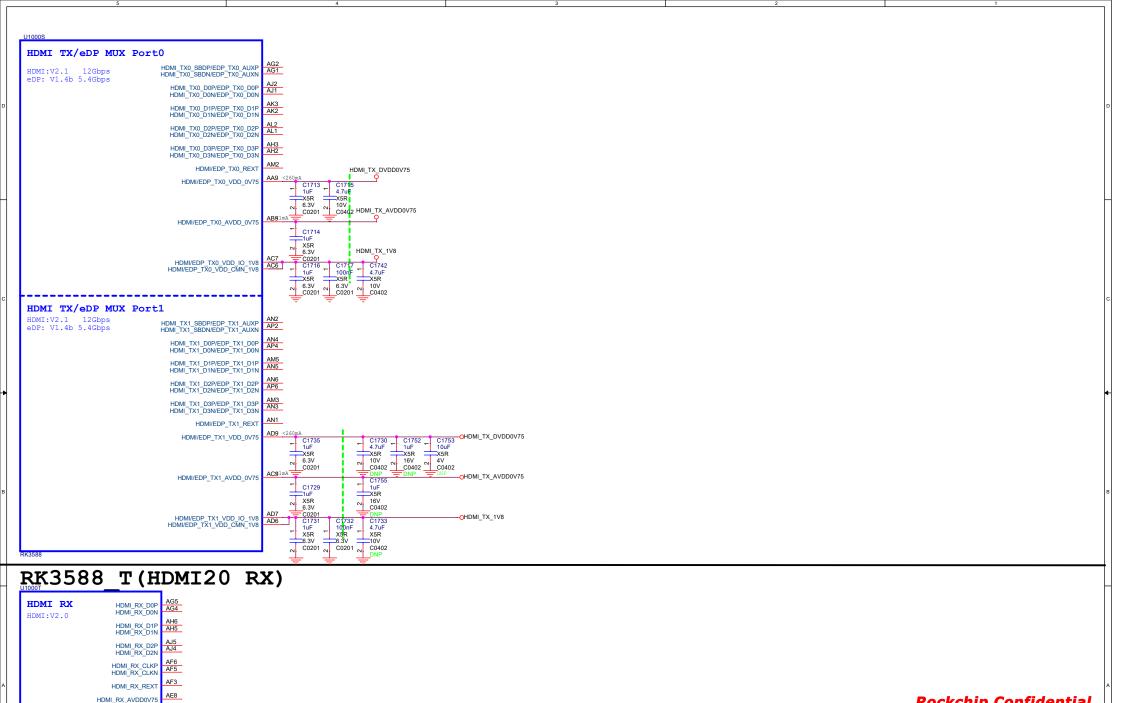
14 of 99

Sheet:

Designed by: Rzf







HDMI_RX_VPH3V3

HDMI_RX_DVDD3V3

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