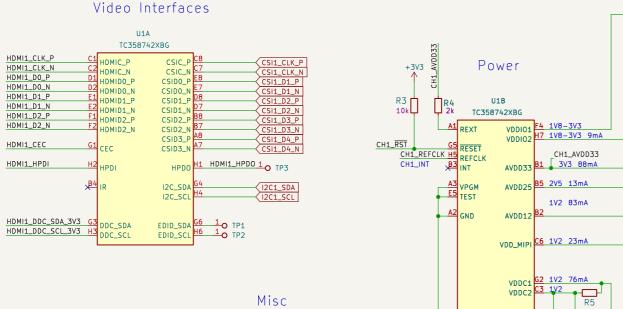


Connectors J2 471511001 HOMI U2 +3V3 TPD8S009DSMR HDMI1_D2_P HDMI1_D2_N HDMI1_D1_P HDMI1_D1_N HDMI1_D0_P 1 DO+ VCC 13 HDMI1_D2_N 3 00 - HDMI1_D1_P 4 D1+ HDMI1_D0_N 7 D2+ HDMI1_D0_N 9 D2- HDMI1_CLK_N 12 D3+ GND HDMI1_DDC_SCL HDMI1_DDC_SDA HDMI1_CLK_N HDMI1_CEC DUMMY1 HDMI1_DDC_SCL HDMI1_DDC_SDA HDMI1_CEC D1S D0S HPD/HEAC-4 UTILITY/HEAC+ CKS HDMI1_POWER HDMI1_HPD GND SH HDMI1_POWER PWR_FLAG 🔷 120Z/3A HDMI1_HPD HDMI1_POWER HDMI1_HPDI

Converter IC



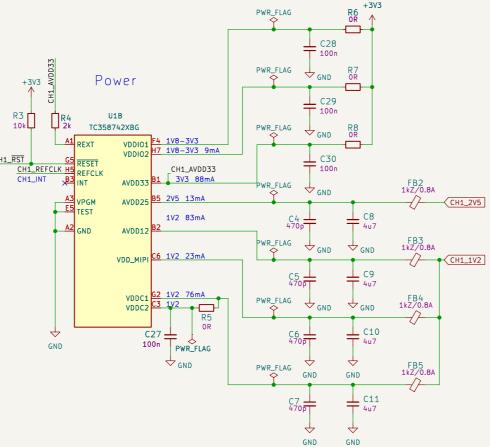
TC358742XBG

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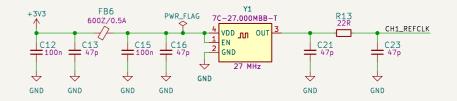
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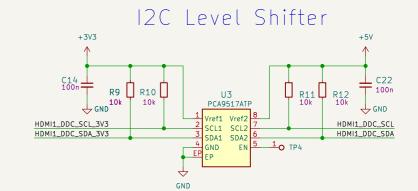




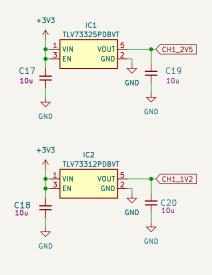


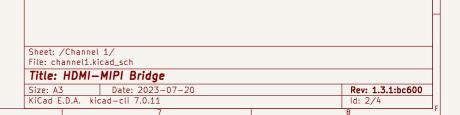
27MHz Oscillator





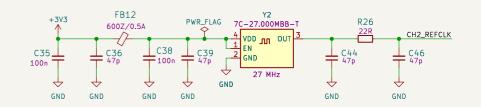
Voltage Regulators

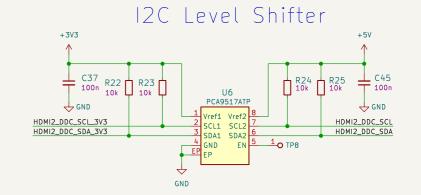




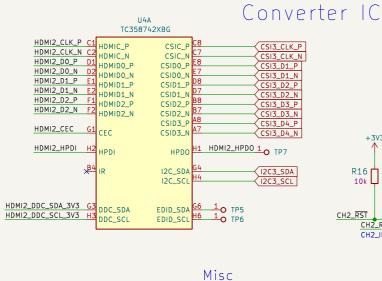
Connectors J4 471511001 HDMI HDMI2_D2_P HDMI2_D1_P HDMI2_D1_N HDMI2_D2_N HDMI2_D1_P U5 +3V3 TPD8S009DSMR A HDMI2_D2_N HDMI2_D1_P HDMI2_DO_N HDMI2_CLK_P 6 7 02+ HDMI2_DO_N 9 D2-HDMI2_CLK_P 10 D3+ HDMI2_CLK_N 12 D3- GND 3 HDMI2_CLK_N HDMI2_CEC DUMMY2 HDMI2_DDC_SCL HDMI2_DDC_SDA HDMI2_HPD DUMMY2 HPD/HFAC-DOS 14 UTILITY/HEAC+ CKS HDMI2_POWER HDMI2_HPD HDMI2_POWER FB7 GND 120Z/3A HDMI2_HPD UK HDMI2_POWER HDMI2_HPDI R15

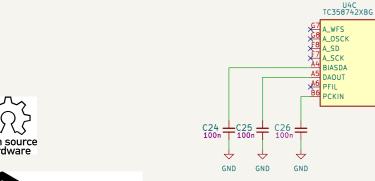
27MHz Oscillator

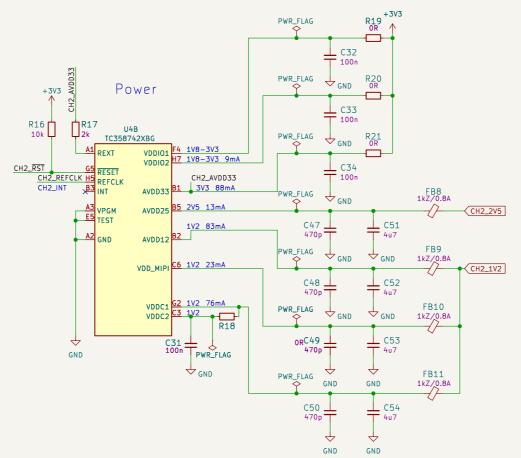




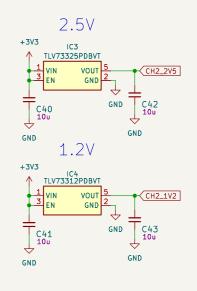
Video Interfaces







Voltage Regulators

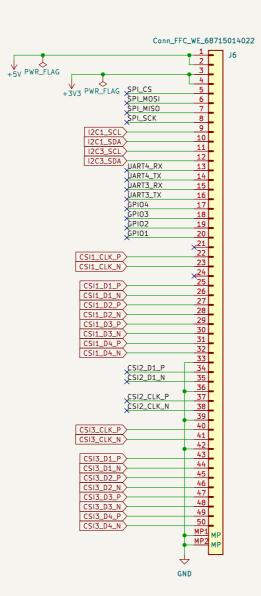


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Camera board connector









Sheet: /CSI/ File: csi.kicad_sch

 Title: HDMI-MIPI Bridge

 Size: A3
 Date: 2023-07-20

 KiCad E.D.A. kicad-cli 7.0.11

Rev: 1.3.1:bc600