Channel 1

File: channel1.kicad_sch

Channel 2

File: channel2.kicad_sch

CSI

File: csi.kicad_sch

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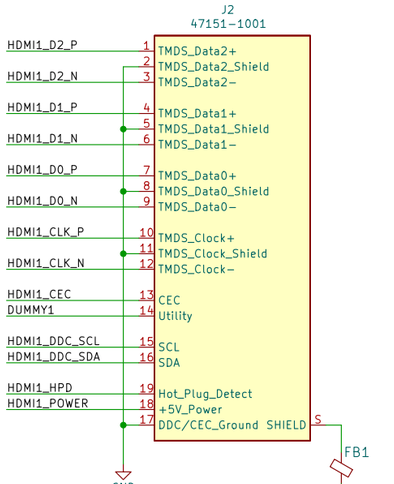
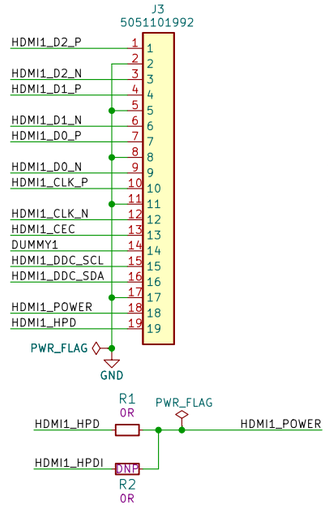
Sheet: /
File: antmicro-hdmi-mipi-bridge-hw.kicad_sch

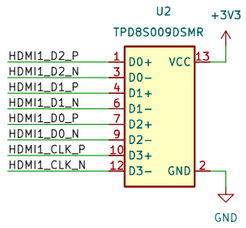
Title: HDMI-MIPI Bridge

Size: A3	Date: 2023-07-20	**Rev: 1.3.1**
KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1		Id: 1/4

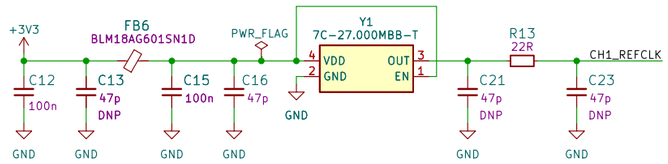
Connectors



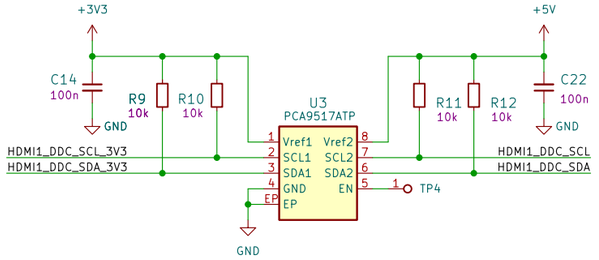




27MHz Oscillator

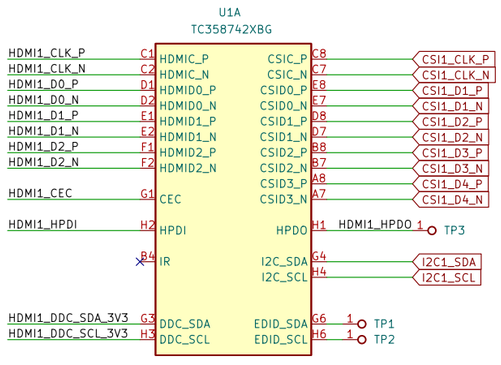


I2C Level Shifter

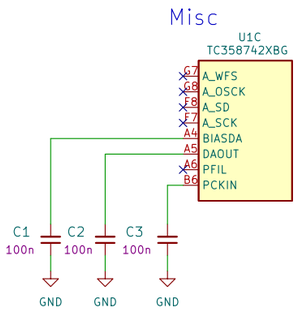


Converter IC

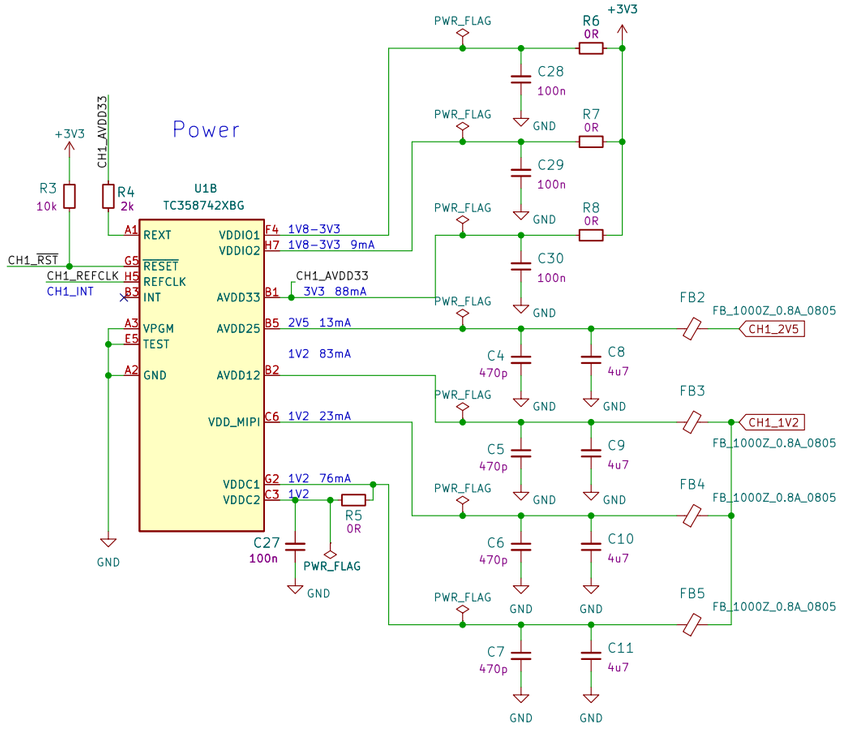
Video Interfaces



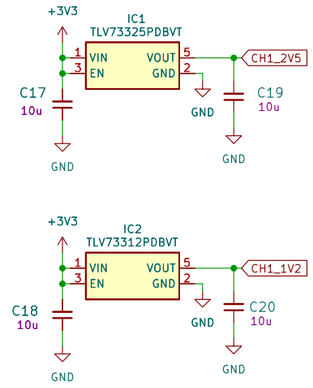
Misc



Power



Voltage Regulators



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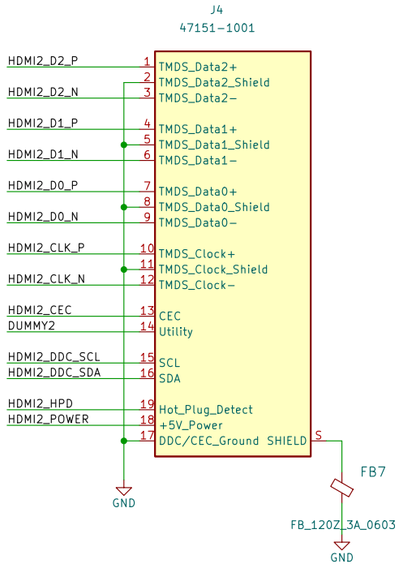
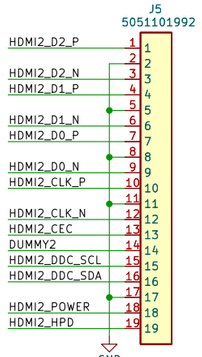
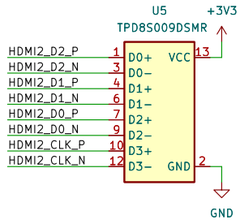
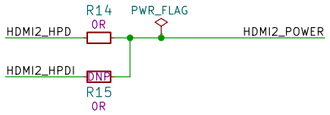
Sheet: /Channel 1/		
File: channel1.kicad_sch		
Title: HDMI–MIPI Bridge		
Size: A3	Date: 2023-07-20	**Rev: 1.3.1**
KiCad E.D.A. eeschema 6.0.11+dfsg-1~bpo11+1		Id: 2/4

Connectors

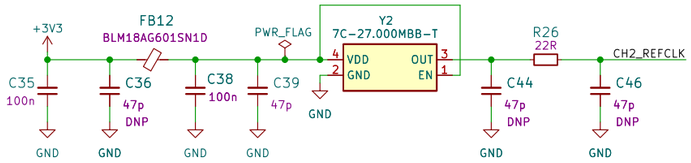




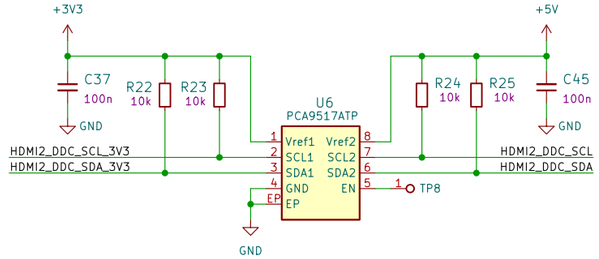




27MHz Oscillator

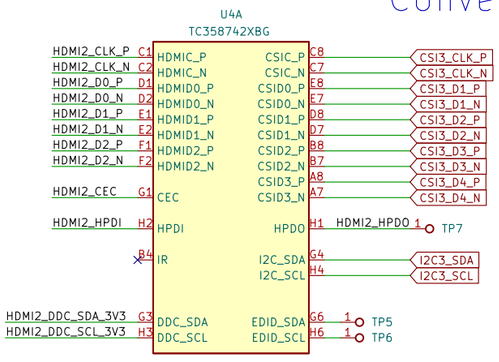


I2C Level Shifter

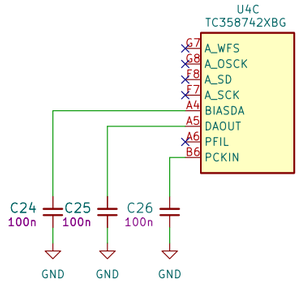


Video Interfaces

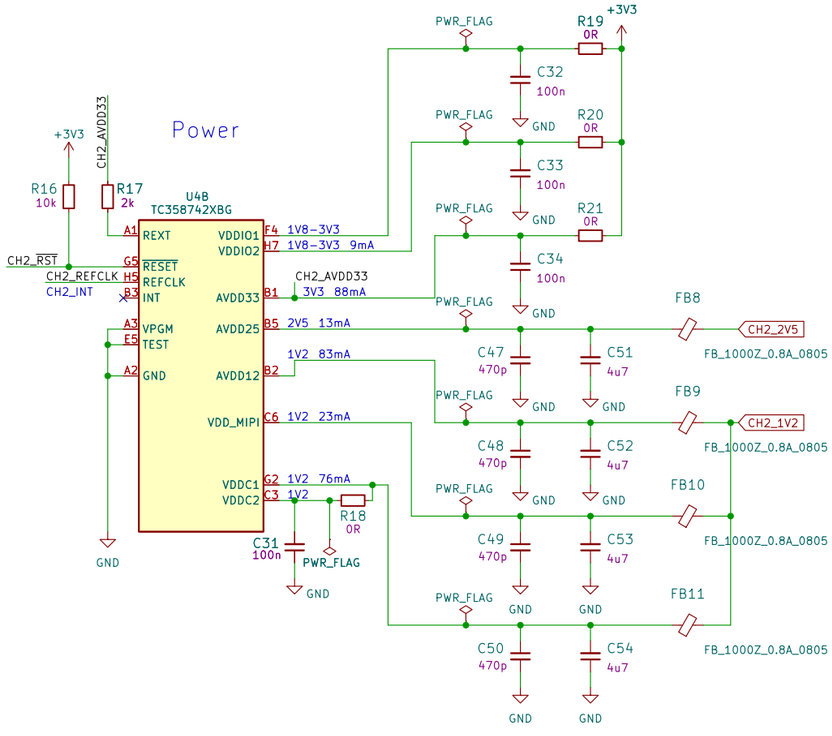
Converter IC



Misc

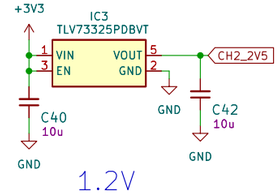


Power

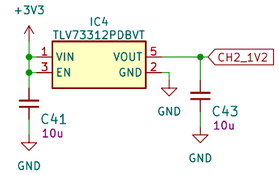


Voltage Regulators

2.5V



1.2V



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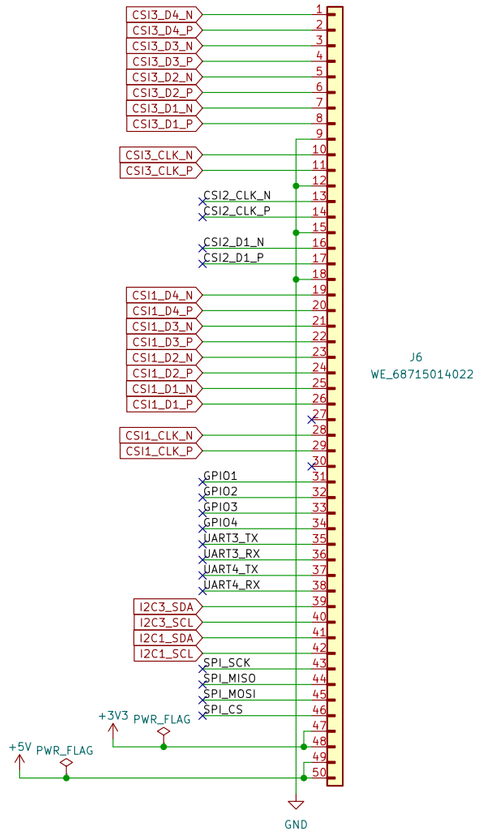
antmicro

Sheet: /Channel 2/		
File: channel2.kicad_sch		
Title: HDMI−MIPI Bridge		
Size: A3	Date: 2023−07−20	**Rev: 1.3.1**
KiCad E.D.A. eeschema 6.0.11+dfsg−1−bpo11+1		Id: 3/4

Camera board connector



The connector has flipped pads on the PCB
To make it compatible with TK1, TX1 boards

SP1
Spacer_H6mm_9774060151
GND

SP3
Spacer_H6mm_9774060151
GND

SP2
Spacer_H6mm_9774060151
GND

SP4
Spacer_H6mm_9774060151
GND

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Sheet: /CSI/		
File: csi.kicad_sch		
Title: HDMI–MIPI Bridge		
Size: A3	Date: 2023–07–20	**Rev: 1.3.1**
KiCad E.D.A. eeschema 6.0.11+dfsg–1–bpo11+1		Id: 4/4