

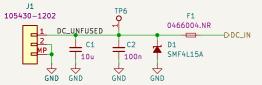


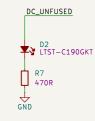
			<u> </u>
www.antmicro.com			
Antmicro Ltd			
Sheet: /			
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Title: GMSL Deserializer			
Size: A3	Date: 2024-06-17		Rev: 1.0.2:a23ce

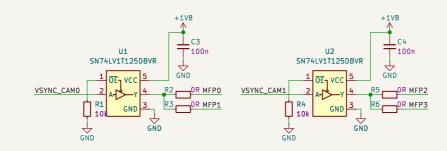
KiCad E.D.A. kicad-cli 7.0.11

Buffer gates

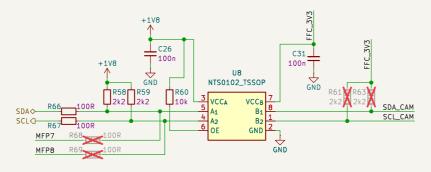




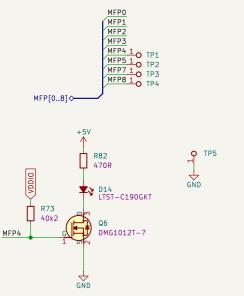




Level shifter

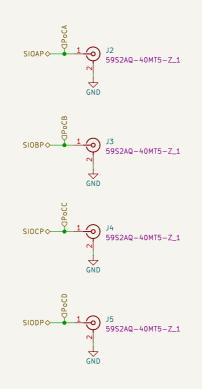


Multi-function pins

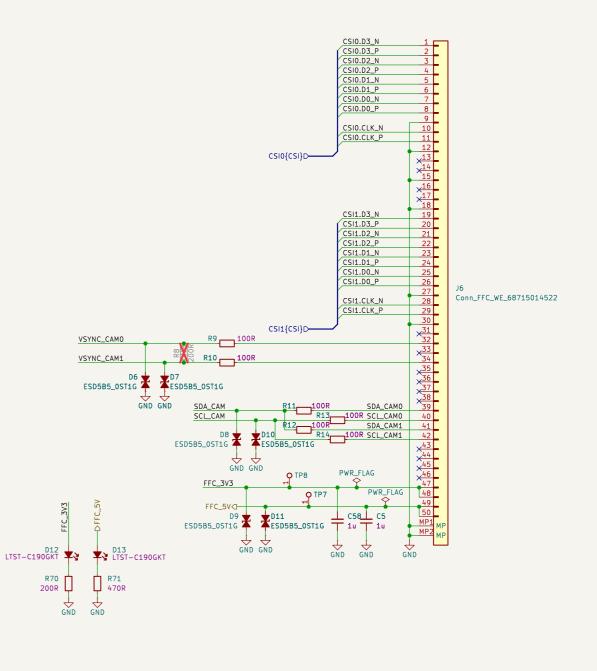




Fakra connectors



CSI connector



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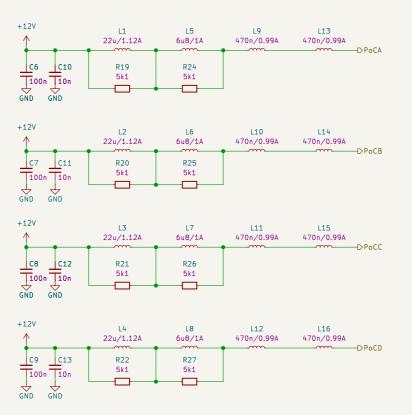
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Sheet: /Connectors/
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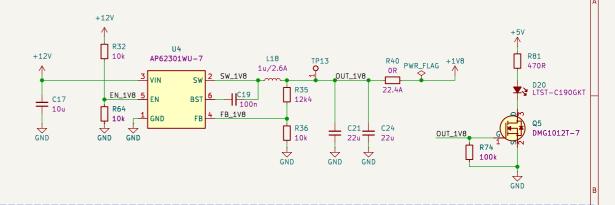
Title: GMSL Deserializer

Size: A3 Date: 2024-06-17 Rev: 1.0.2:a23ce
KiCad E.D.A. kicad-cli 7.0.11 Id: 2/4

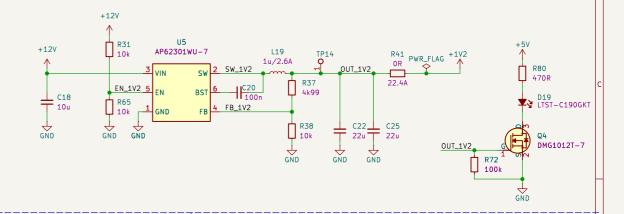
PoC circuit



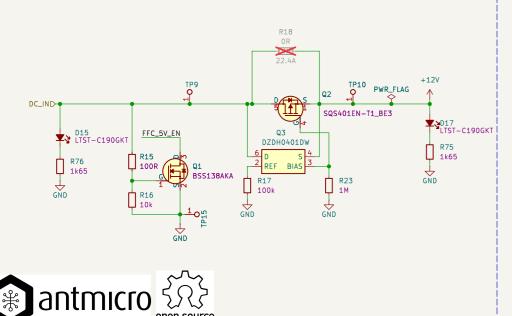
Buck converter 12V to 1.8V



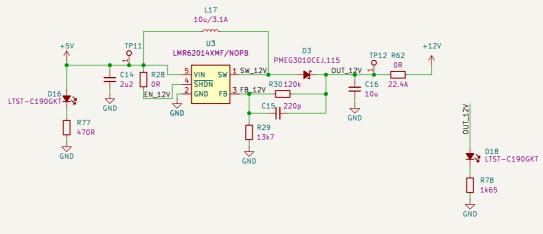
Buck converter 12V to 1.2V



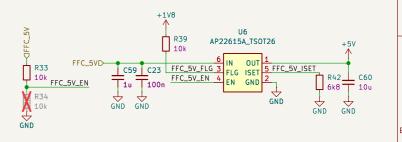
Power arbiter



Boost converter 5V to 12V



FFC 5V current limit



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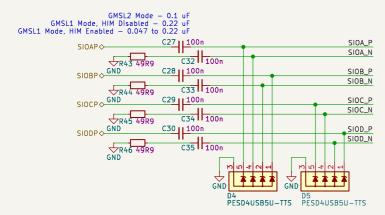
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Title: GMSL Deserializer

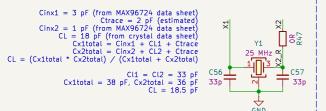
Size: A3 Date: 2024-06-17 Rev: 1.0.2:a23ce

KiCad E.D.A. kicad-cli 7.0.11 Id: 3/4

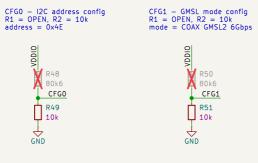
Link-Isolation capacitors and ESD diodes



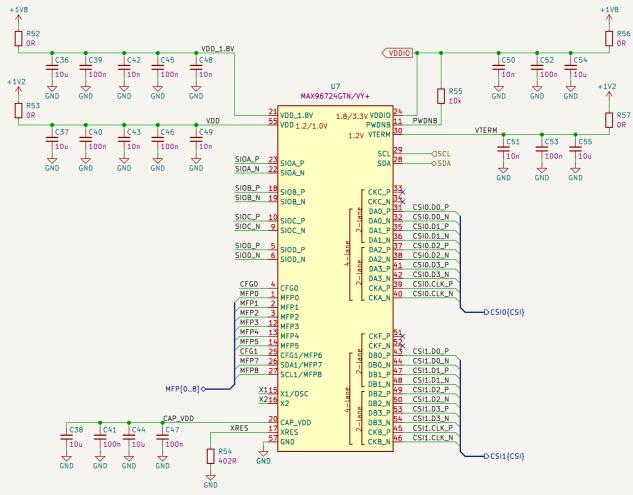
Crystal



Config pins



Deserializer IC with passives





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Sheet: /Deserializer/
File: deserializer.kicad_sch

Title: GMSL Deserializer

Size: A3 Date: 2024-06-17 Rev: 1.0.2:a23ce

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