

A

A

B

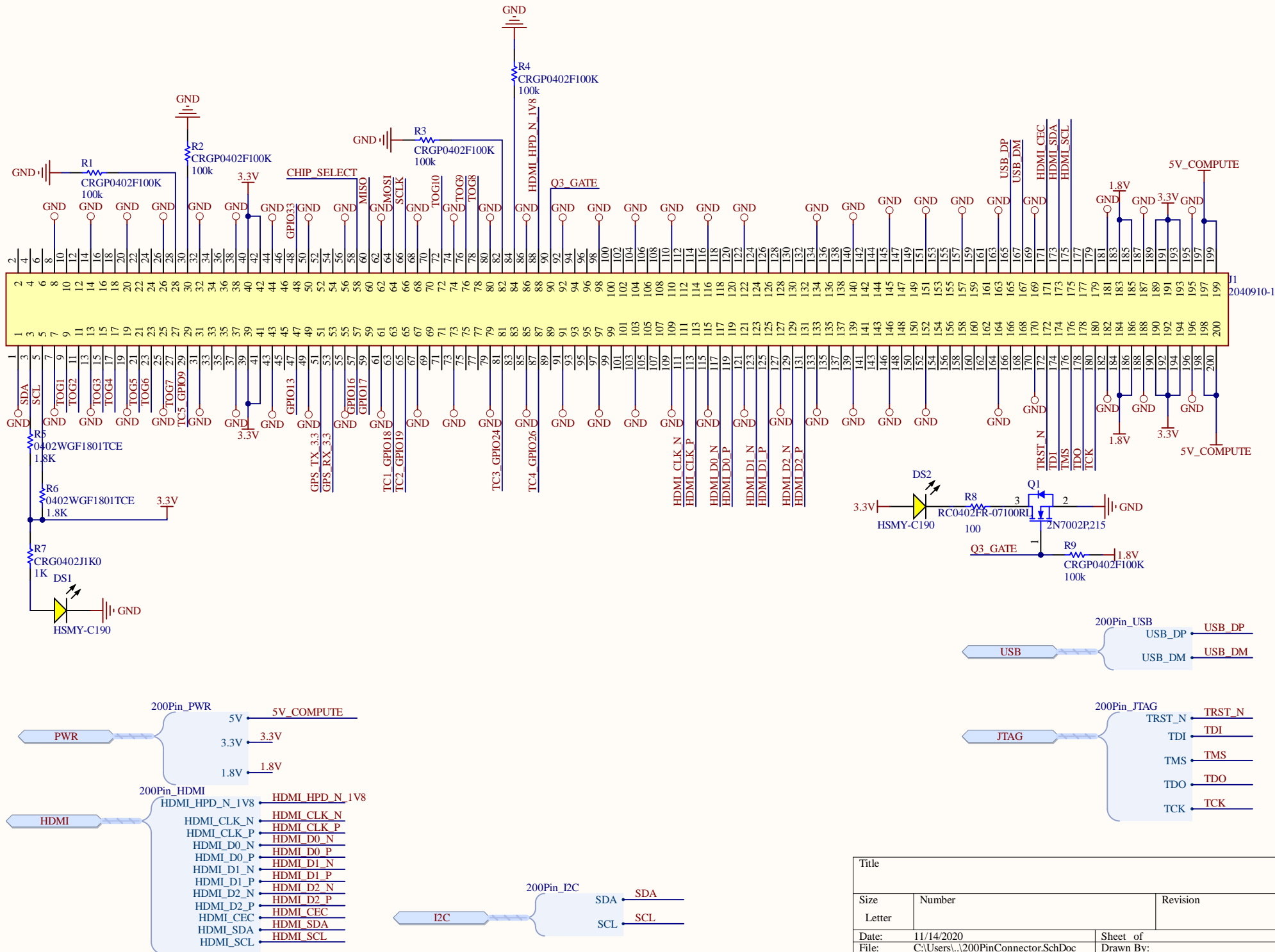
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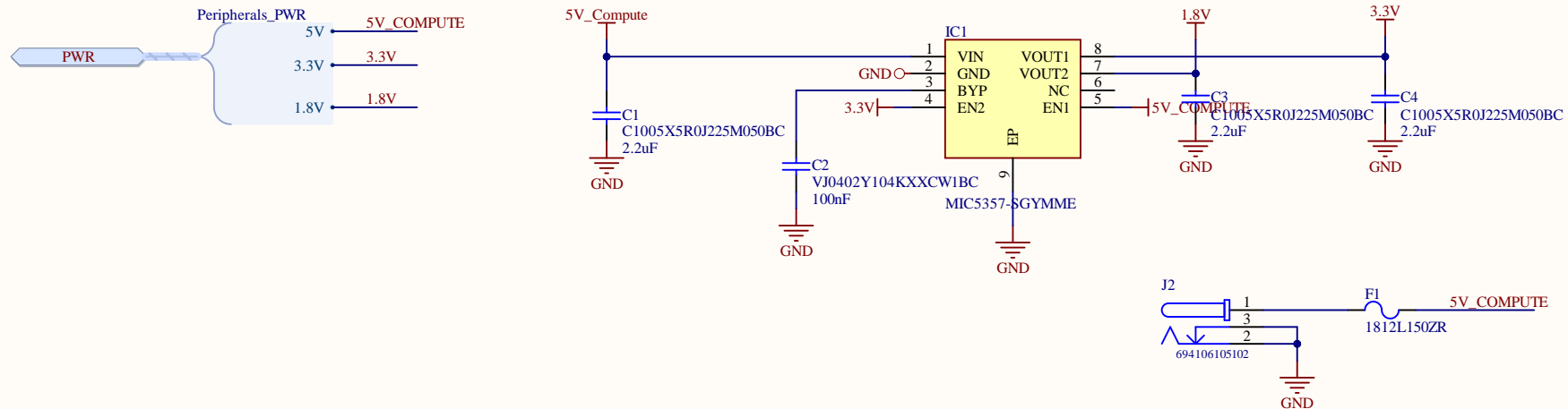
C

C

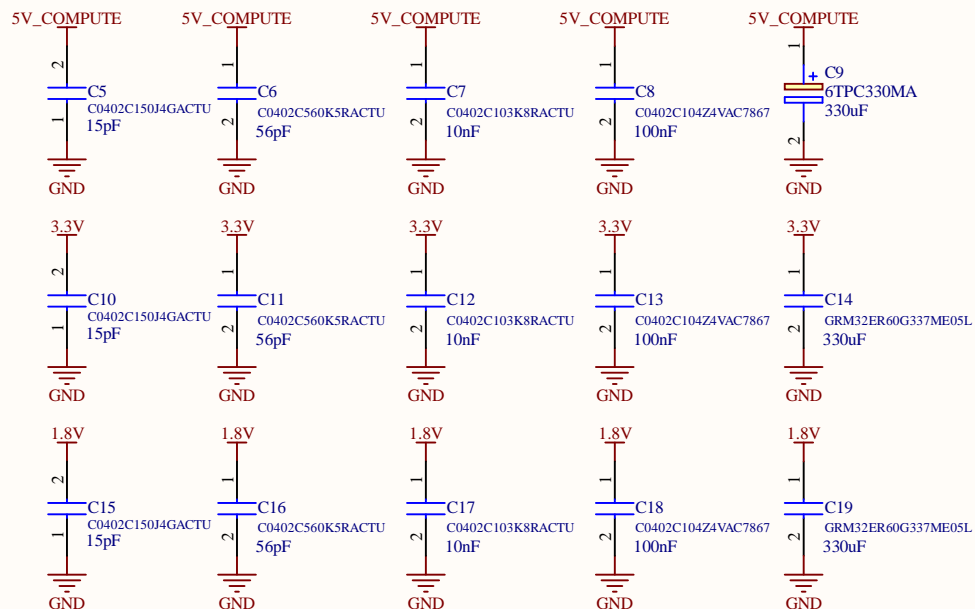
D

D

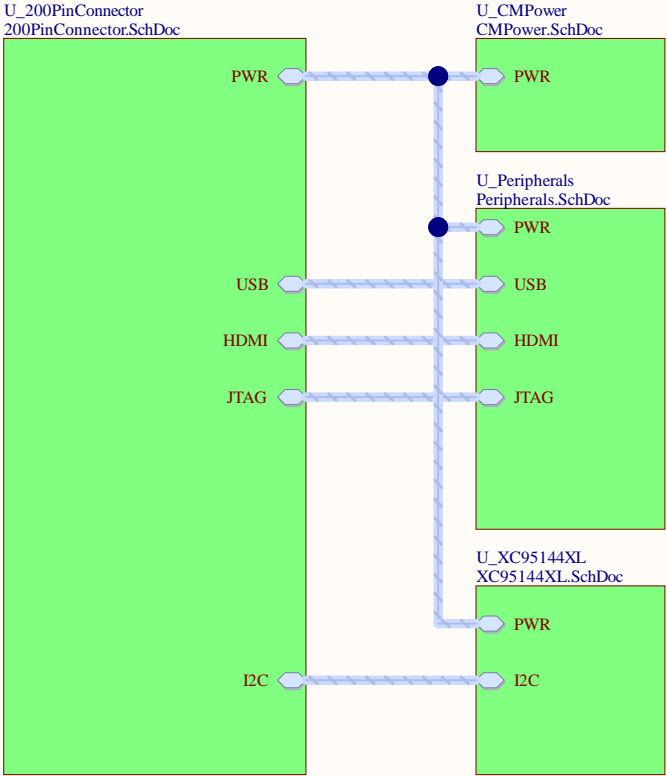




Compute Module Bypass Capacitors



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| Title | | |
| Size | Number | Revision |
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| Date: | 11/14/2020 | Sheet of |
| File: | C:\Users\...\CMPower.SchDoc | Drawn By: |



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Peripherals_USB

USB

- USB_DP •
- USB_DM •

Peripherals_HDMI

HDMI

- HDMI_HPD_N_1 V8 •
- HDMI_CLK_N •
- HDMI_CLK_P •
- HDMI_D0_N •
- HDMI_D0_P •
- HDMI_D1_N •
- HDMI_D1_P •
- HDMI_D2_N •
- HDMI_D2_P •
- HDMI_CEC •
- HDMI_SDA •
- HDMI_SCL •

Peripherals_JTAG

JTAG

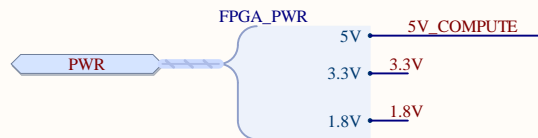
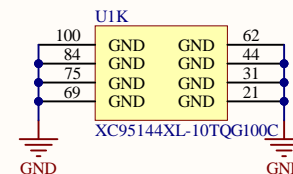
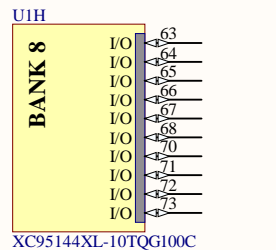
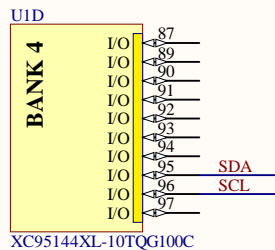
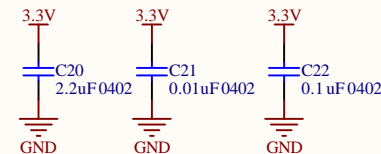
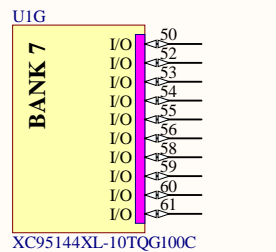
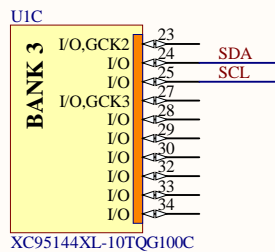
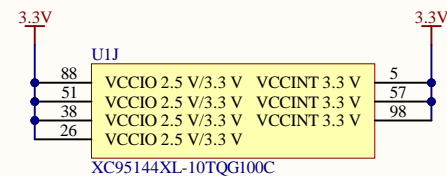
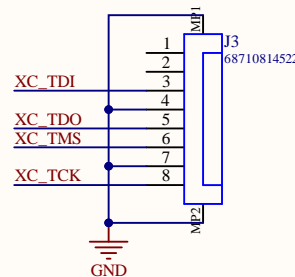
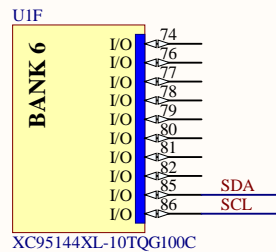
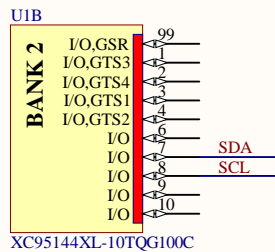
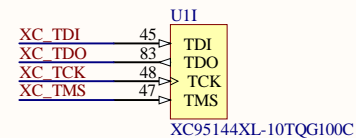
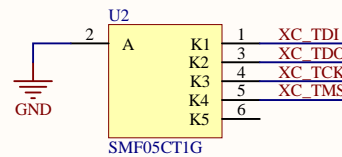
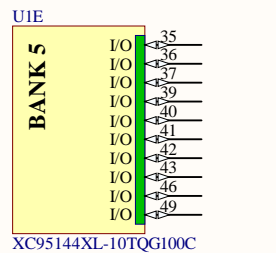
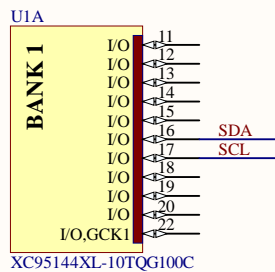
- TRST_N •
- TDI •
- TMS •
- TDO •
- TCK •

Peripherals_PWR

PWR

- 5V •
- 3.3V •
- 1.8V •

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| Date: | 11/14/2020 | | Sheet of |
| File: | C:\Users\...\Peripherals.SchDoc | | Drawn By: |



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| Date: | 11/14/2020 | Sheet of |
| File: | C:\Users\...\XC95144XL.SchDoc | Drawn By: |

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---------------------|--|--------------------|-------------------------|--------------------|----------|
| C1005X5R0J225M050BC | Capacitor | C1, C3, C4 | 0402 | Cap | 3 |
| VJ0402Y104KXXCW1B C | Capacitor | C2 | 0402 | Cap | 1 |
| C0402C150J4GACTU | Capacitor | C5, C10, C15 | CAPC1005X90N | C0402C150J4GACTU | 3 |
| C0402C560K5RACTU | Capacitor | C6, C11, C16 | CAPC1005X55N | C0402C560K5RACTU | 3 |
| C0402C103K8RACTU | Capacitor | C7, C12, C17 | CAPC1005X55N | C0402C103K8RACTU | 3 |
| C0402C104Z4VAC7867 | Capacitor | C8, C13, C18 | CAPC1005X55N | C0402C560K5RACTU | 3 |
| 6TPC330MA | Capacitor Polarised | C9 | CAPPM7343X200N | 6TPC330MA | 1 |
| GRM32ER60G337ME05L | Capacitor | C14, C19 | CAPC3225X280N | GRM32ER60G337ME05L | 2 |
| 2.2uF 0402 | CAP 2.2uF 6.3V ±10% 0402 (1005 Metric) Thickness 0.6mm SMD | C20 | CAPC0402(1005)60_M | CMP-1034-02125-1 | 1 |
| 0.01uF 0402 | | C21 | CAPC1005X55X30NLO5T10 | CMP-2008-03072-1 | 1 |
| 0.1 uF 0402 | | C22 | CAPC1005X55X30ML05T10 | CMP-2008-03080-1 | 1 |
| HSMY-C190 | LED Uni-Color Yellow, 65 mW, 20 mA, -40 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel | DS1, DS2 | AVAG-HSMX-C190_V | CMP-1744-00003-1 | 2 |
| 1812L150ZR | Resettable PTC, 1812, 1.5 A Ihold, 3.0 A Itrip | F1 | LFUS-FUSE1812-71_V | CMP-0257-00001-1 | 1 |
| MIC5357-SGYMME | Integrated Circuit | IC1 | SOP65P490X104-9N | MIC5357-SGYMME | 1 |
| 2040910-1 | Connector | J1 | 20409101 | 2040910-1 | 1 |
| 694106105102 | DC Power Jack Connector with Pegs WR-DC, Male, Right Angled, SMT, 5 A, 24 V | J2 | 694106105102 | CMP-1502-00176-1 | 1 |
| 68710814522 | SMT ZIF Connectors WR-FPC, Horizontal, Bottom Contact, pitch 0.5 mm, 8 pins | J3 | 68710814522 | CMP-1502-01528-1 | 1 |
| 2N7002P,215 | N-Channel Trench MOSFET, 60 V, 0.36 A, 55 to 150 degC, 3-Pin SOT23, Tape and Reel | Q1 | NXP-SOT23_L | CMP-1259-00082-1 | 1 |
| CRGP0402F100K | Resistor | R1, R2, R3, R4, R9 | 0402 | Res1 | 5 |
| 0402WGF1801TCE | Resistor | R5, R6 | 0402 | Res1 | 2 |
| CRG0402J1K0 | Resistor | R7 | 0402 | Res1 | 1 |
| RC0402FR-07100RL | | R8 | RESC1005X40X25ML05T10 | CMP-2002-07344-1 | 1 |
| XC95144XL-10TQG100C | FastFLASH XC900XL, 3.3V High-Performance 144 Macrocell CPLD, 81 User I/Os, 100-Pin TQFP, Speed Grade 10, Commercial Grade, Pb-Free | U1 | TQG100_L | CMP-0209-00147-1 | 1 |
| SMF05CT1G | 5-Line Transient Voltage Suppressor Array, 6-Pin SC70, Pb-Free, Tape and Reel | U2 | ONSC-SC70-6-419B-02_W_V | CMP-1061-00155-1 | 1 |