XMC5200 Evaluation Kit Rev 01

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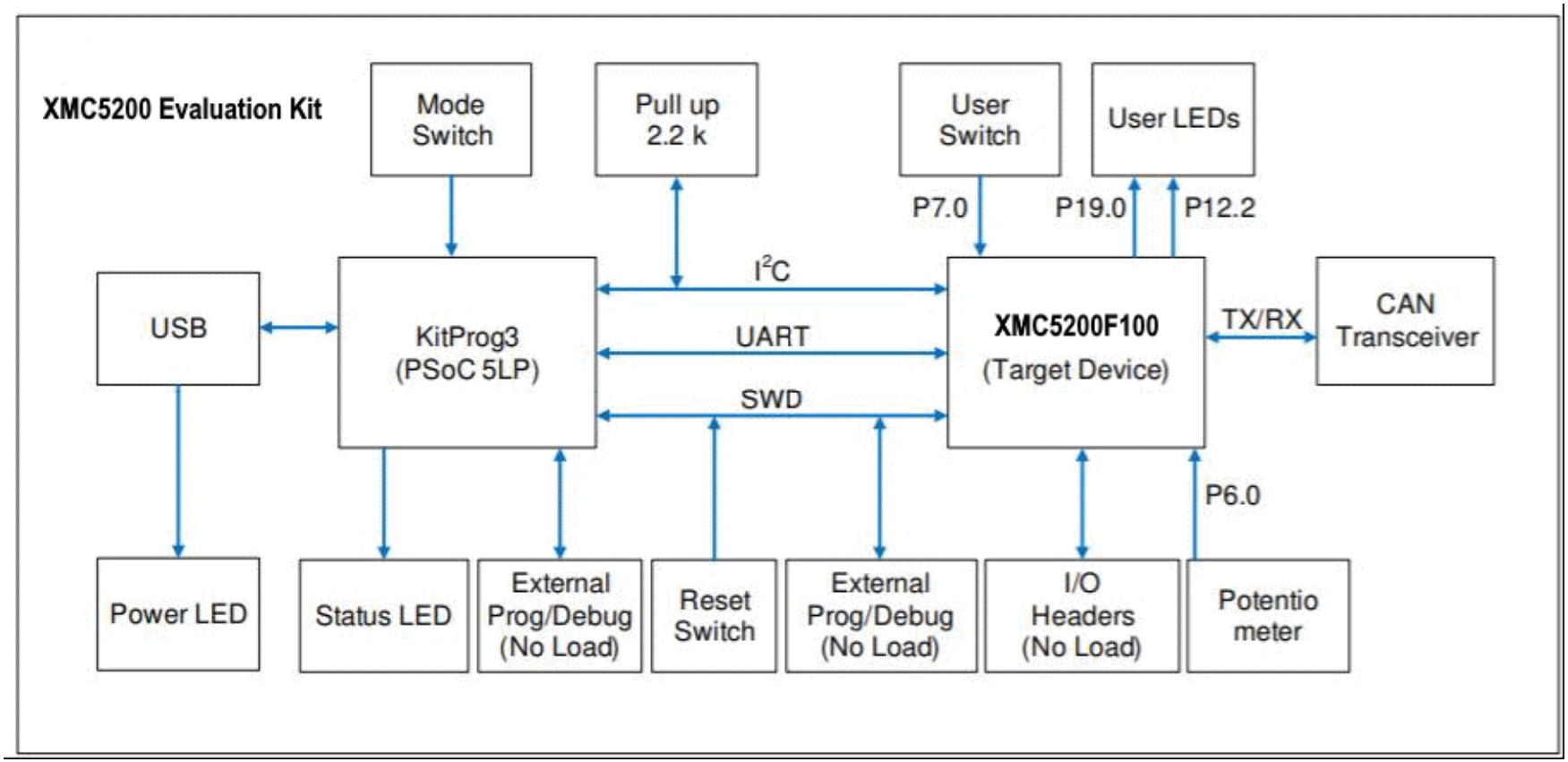
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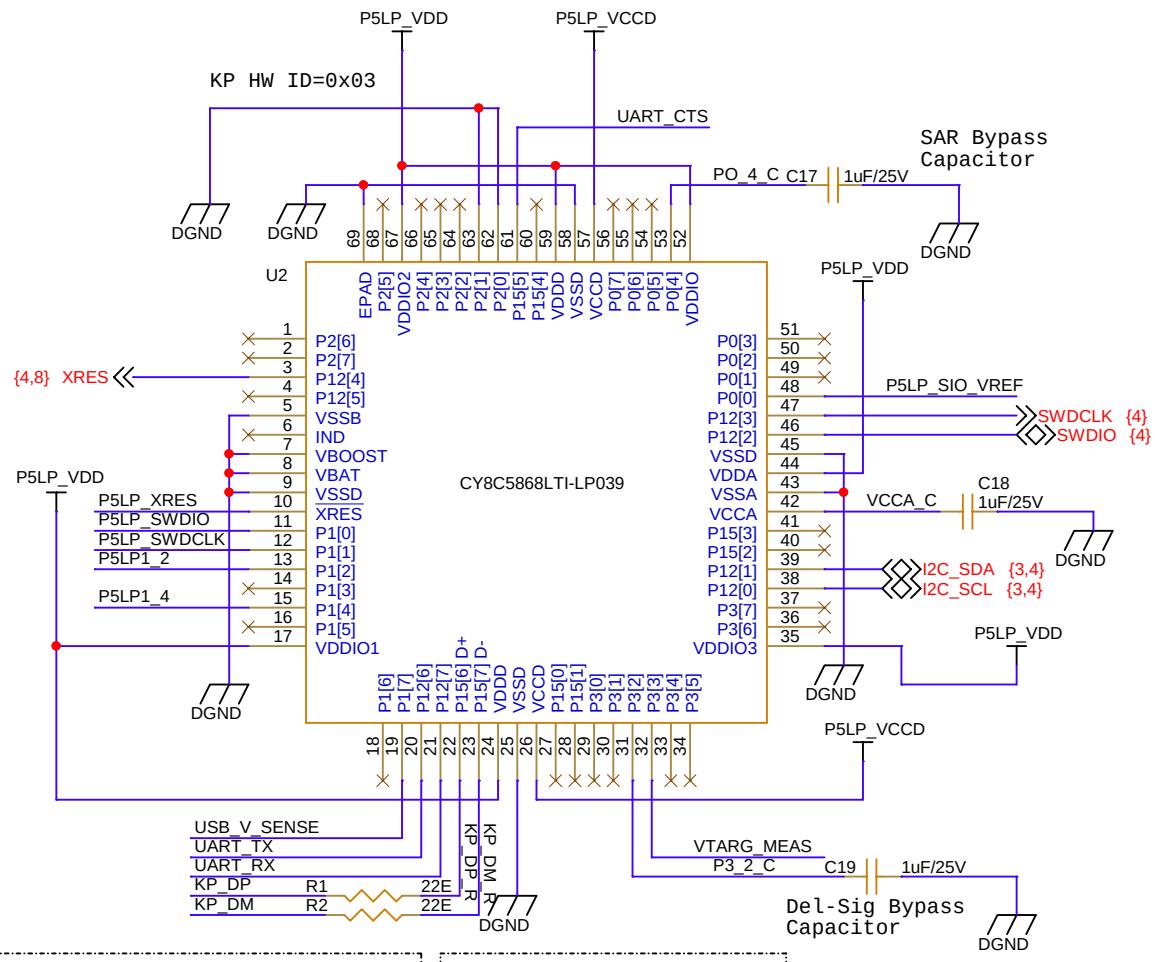
BLOCK DIAGRAM



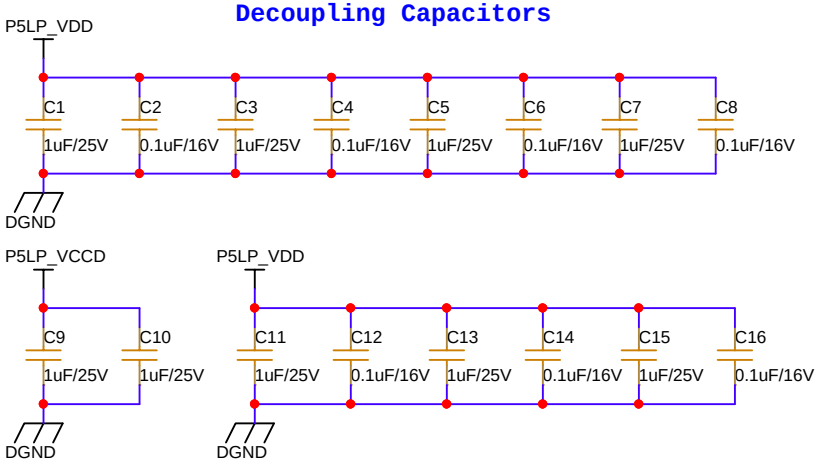
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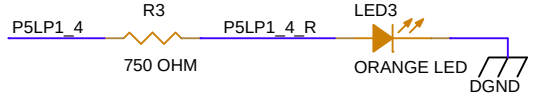
PSoC 5LP based KitProg3



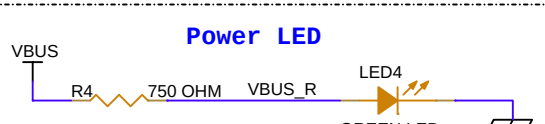
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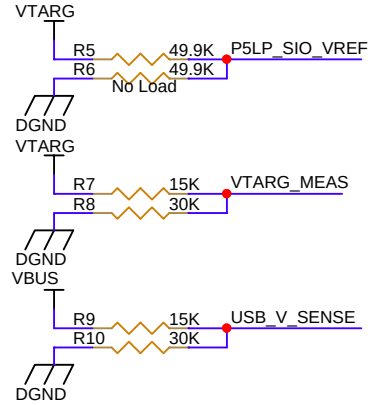
KitProg3 Status LED



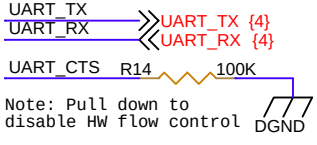
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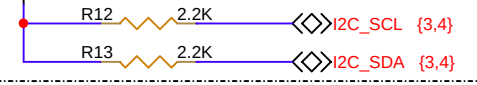
Voltage Monitoring



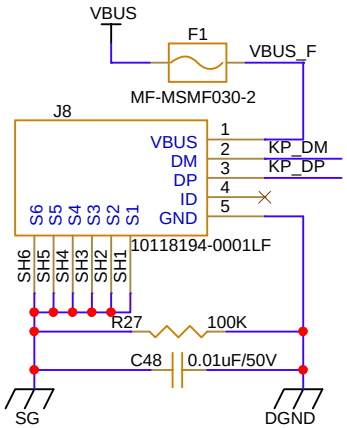
UART Interface



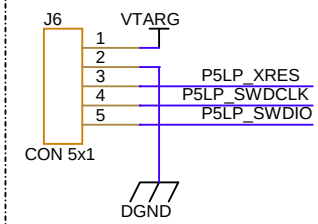
I2C Interface



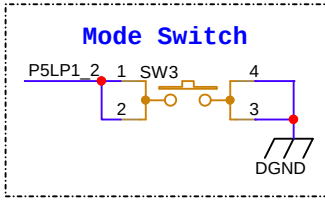
USB Micro Connector



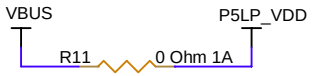
PSoC 5LP Program/ Debug Connector



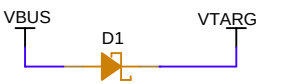
Mode Switch



PSoC 5LP Power



Target Power

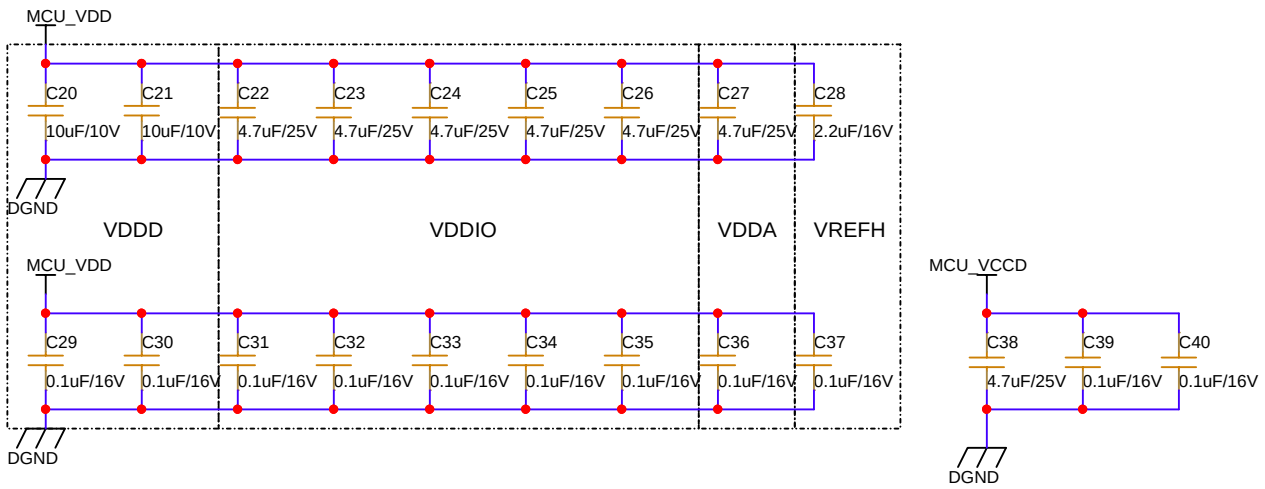


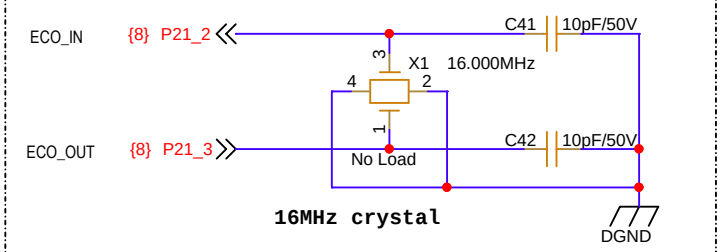
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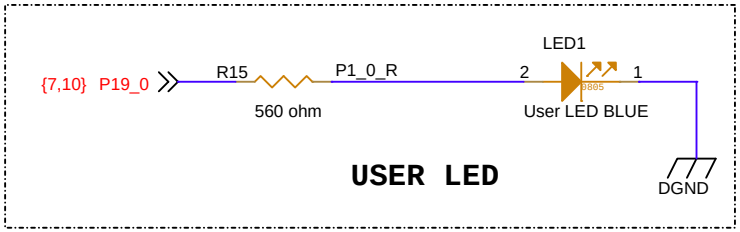
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XMC5200 Decaps, clock, reset, and debug

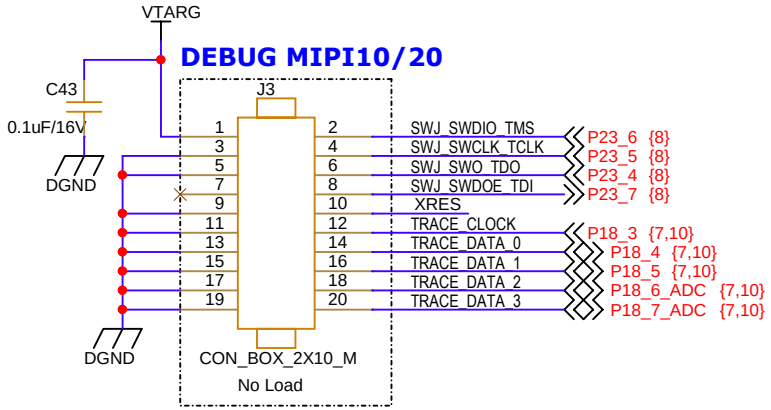
XMC5200 Decoupling Capacitors

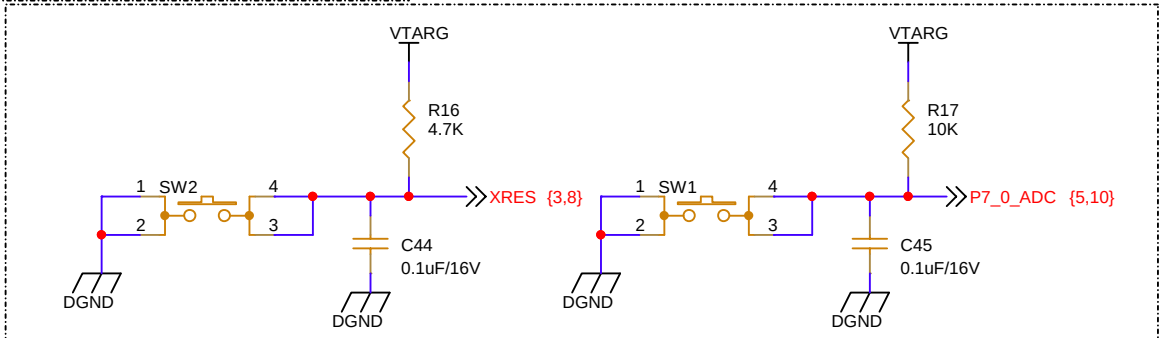




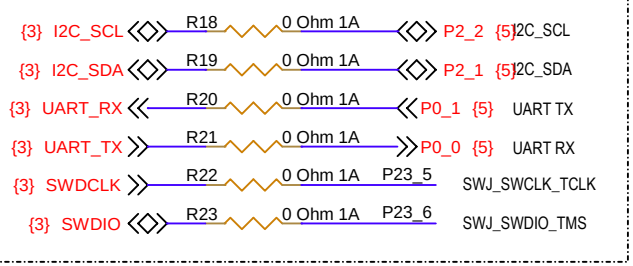


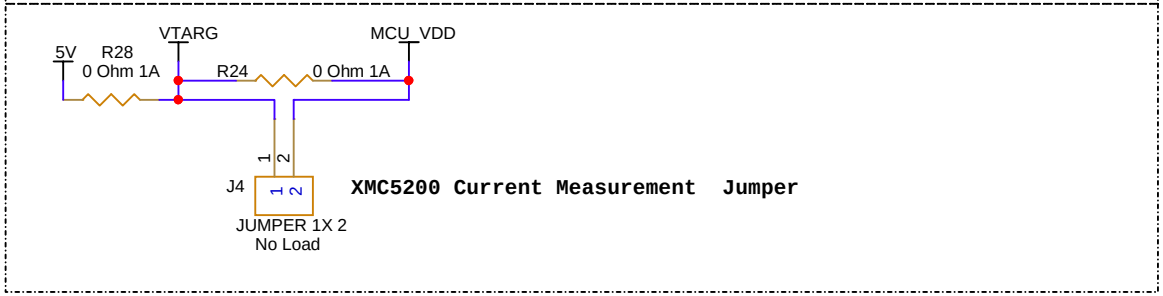
XMC5200 Program/Debug Header





KitProg3 connection

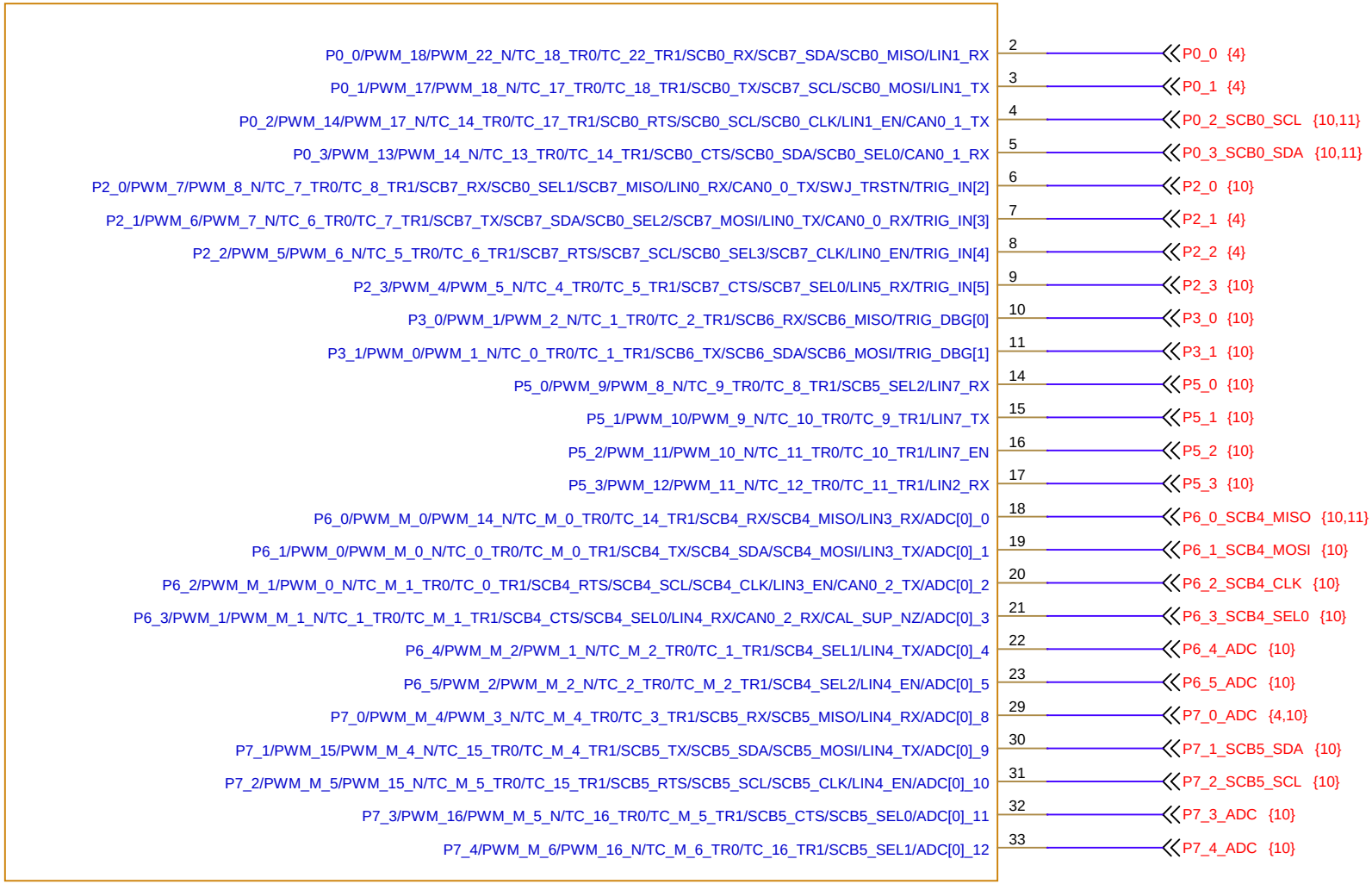




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Page Title: XMC5200 Decaps, CLK, RST				
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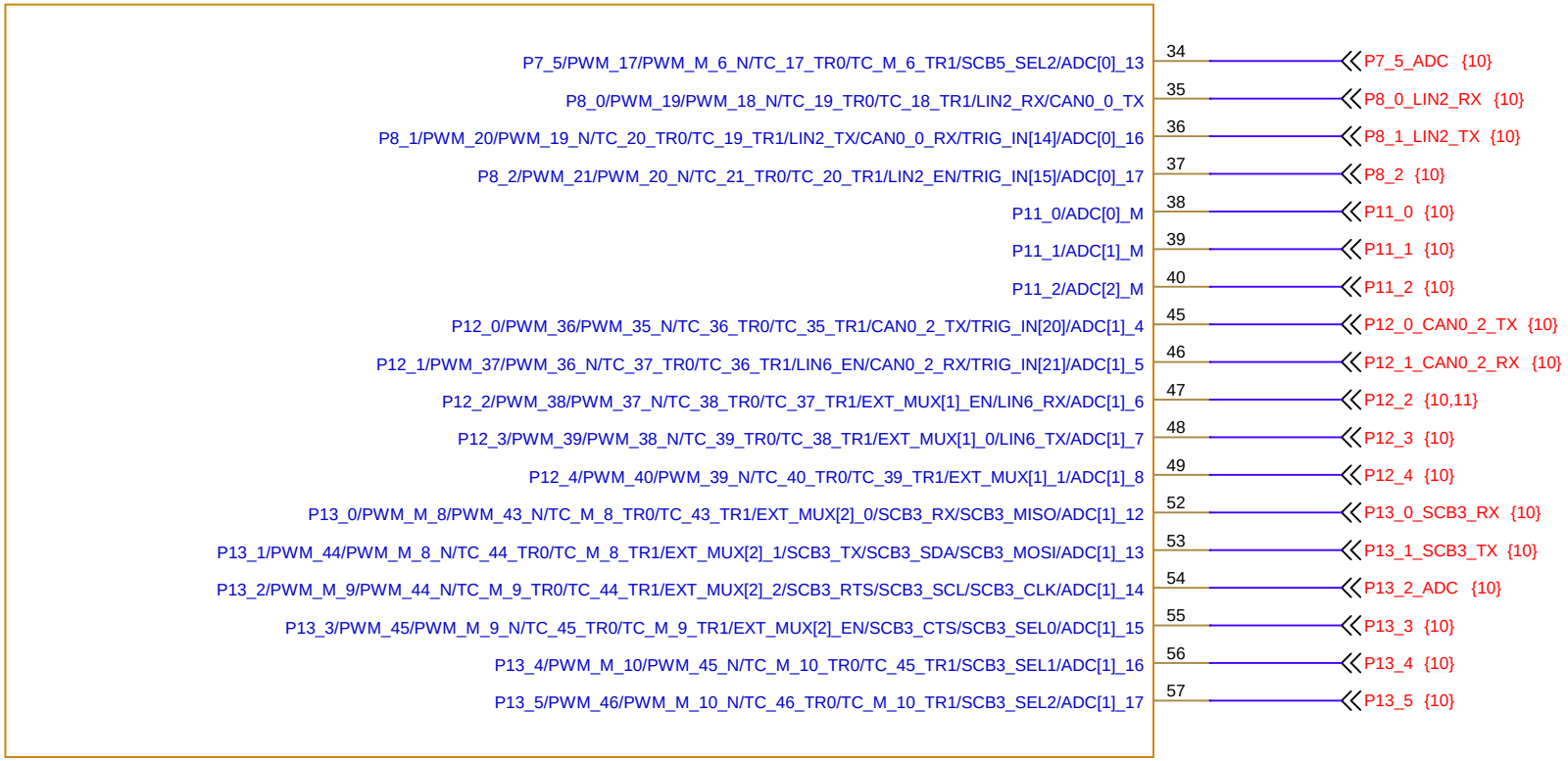
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Page Title: XMC5200 MCU P1

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Page Title: XMC5200 MCU P2

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P13_6/PWM_M_11/PWM_46_N/TC_M_11_TR0/TC_46_TR1/SCB3_SEL3/TRIG_IN[22]/ADC[1]_18	58	P13_6 {10}
P13_7/PWM_47/PWM_M_11_N/TC_47_TR0/TC_M_11_TR1/TRIG_IN[23]/ADC[1]_19	59	P13_7 {10}
P14_0/PWM_48/PWM_47_N/TC_48_TR0/TC_47_TR1/SCB2_RX/SCB2_MISO/CAN1_0_TX/ADC[1]_20	60	P14_0_SCB2_RX {10}
P14_1/PWM_49/PWM_48_N/TC_49_TR0/TC_48_TR1/SCB2_TX/SCB2_SDA/SCB2_MOSI/CAN1_0_RX/ADC[1]_21	61	P14_1_SCB2_TX {10}
P14_2/PWM_50/PWM_49_N/TC_50_TR0/TC_49_TR1/SCB2_RTS/SCB2_SCL/SCB2_CLK/LIN6_RX/ADC[1]_22	62	P14_2_LIN6_RX {10}
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P17_0/PWM_61/PWM_62_N/TC_61_TR0/TC_62_TR1/CAN1_1_TX	64	P17_0 {10}
P17_1/PWM_60/PWM_61_N/TC_60_TR0/TC_61_TR1/PWM_H_2/SCB3_RX/SCB3_MISO/CAN1_1_RX	65	P17_1_SCB3_RX {10}
P17_2/PWM_59/PWM_60_N/TC_59_TR0/TC_60_TR1/PWM_H_2_N/SCB3_TX/SCB3_SDA/SCB3_MOSI	66	P17_2_SCB3_TX {10}
P18_0/PWM_M_6/PWM_M_5_N/TC_M_6_TR0/TC_M_5_TR1/PWM_H_0/SCB1_RX/SCB1_MISO/FAULT_OUT_0/ADC[2]_0	67	P18_0_SCB1_RX {10}
P18_1/PWM_M_7/PWM_M_6_N/TC_M_7_TR0/TC_M_6_TR1/PWM_H_0_N/SCB1_TX/SCB1_SDA/SCB1_MOSI/FAULT_OUT_1/ADC[2]_1	68	P18_1_SCB1_TX {10}
P18_2/PWM_55/PWM_M_7_N/TC_55_TR0/TC_M_7_TR1/PWM_H_1/SCB1_RTS/SCB1_SCL/SCB1_CLK/ADC[2]_2	69	P18_2 {10}
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P18_4/PWM_53/PWM_54_N/TC_53_TR0/TC_54_TR1/PWM_H_2/SCB1_SEL1/TRACE_DATA_0/ADC[2]_4	71	P18_4 {4,10}
P18_5/PWM_52/PWM_53_N/TC_52_TR0/TC_53_TR1/PWM_H_2_N/SCB1_SEL2/TRACE_DATA_1/ADC[2]_5	72	P18_5 {4,10}
P18_6/PWM_51/PWM_52_N/TC_51_TR0/TC_52_TR1/PWM_H_3/SCB1_SEL3/CAN1_2_TX/TRACE_DATA_2/ADC[2]_6	73	P18_6_ADC {4,10}
P18_7/PWM_50/PWM_51_N/TC_50_TR0/TC_51_TR1/PWM_H_3_N/CAN1_2_RX/TRACE_DATA_3/ADC[2]_7	74	P18_7_ADC {4,10}
P19_0/PWM_M_3/PWM_50_N/TC_M_3_TR0/TC_50_TR1/TC_H_0_TR0/SCB2_RX/SCB2_MISO/FAULT_OUT_2	77	P19_0 {4,10}

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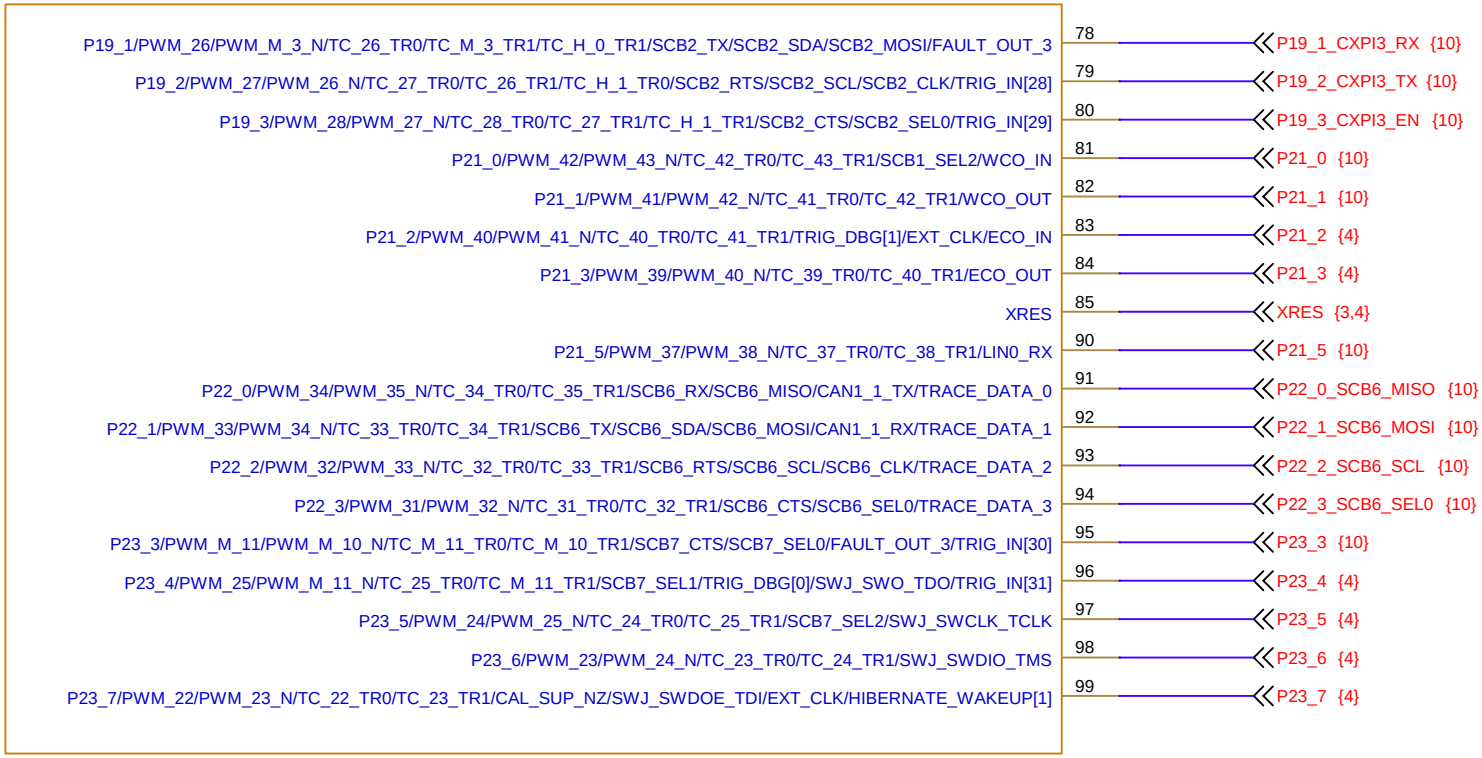
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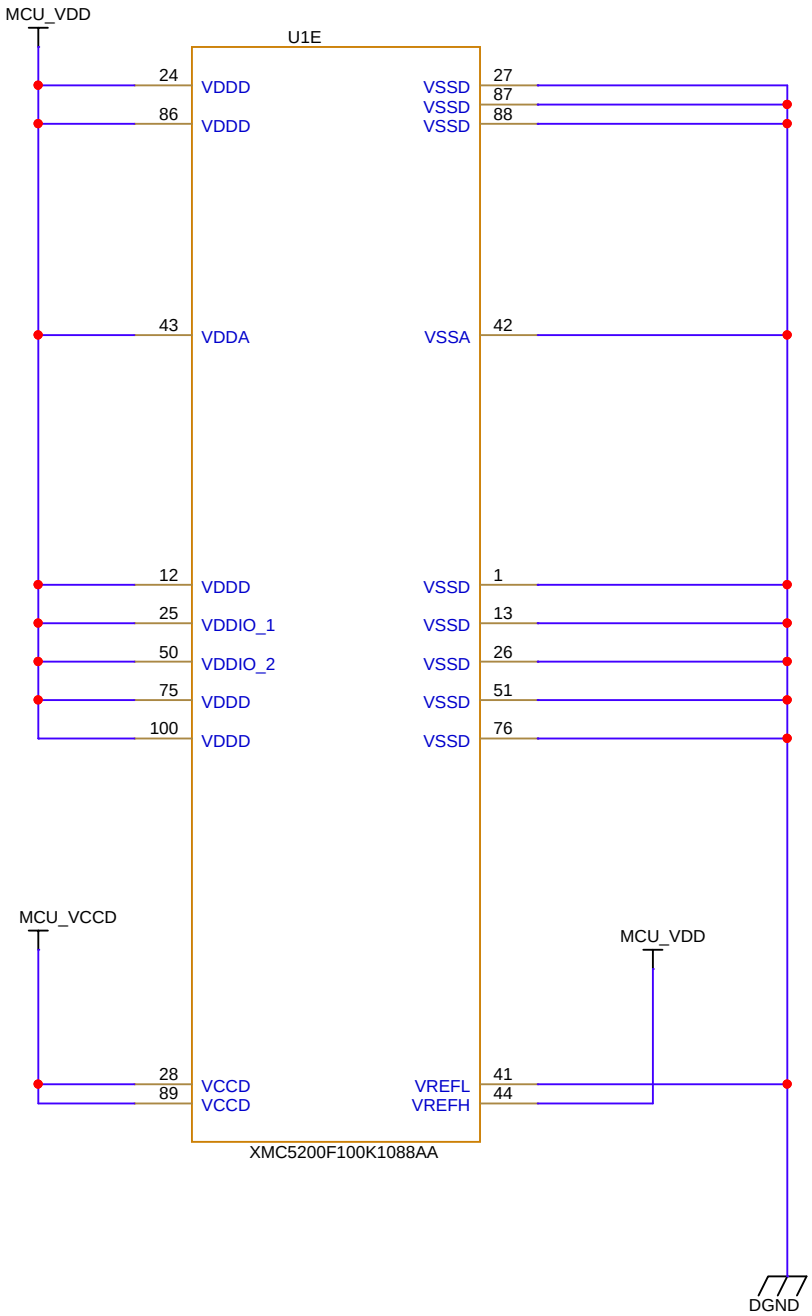
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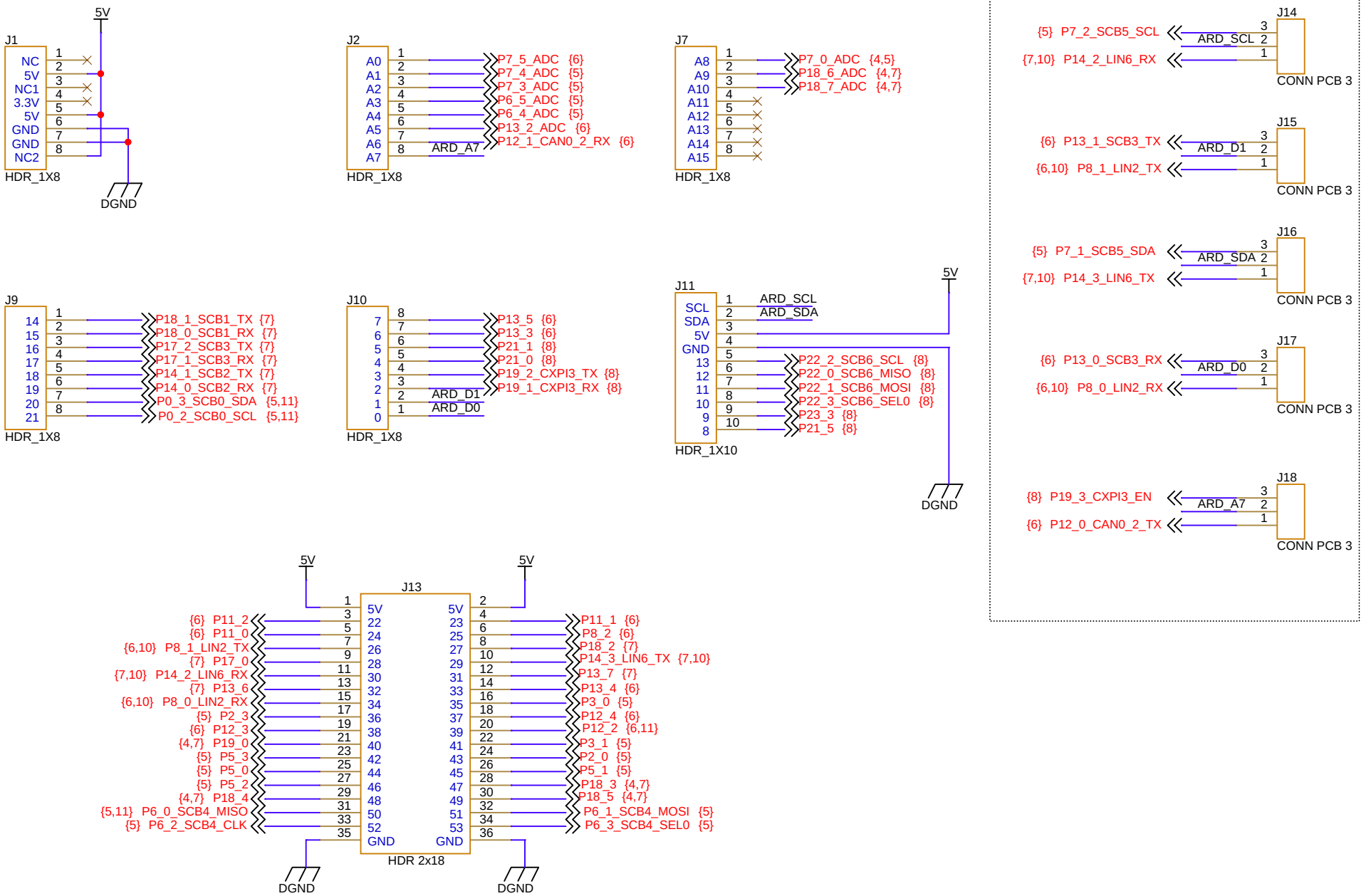
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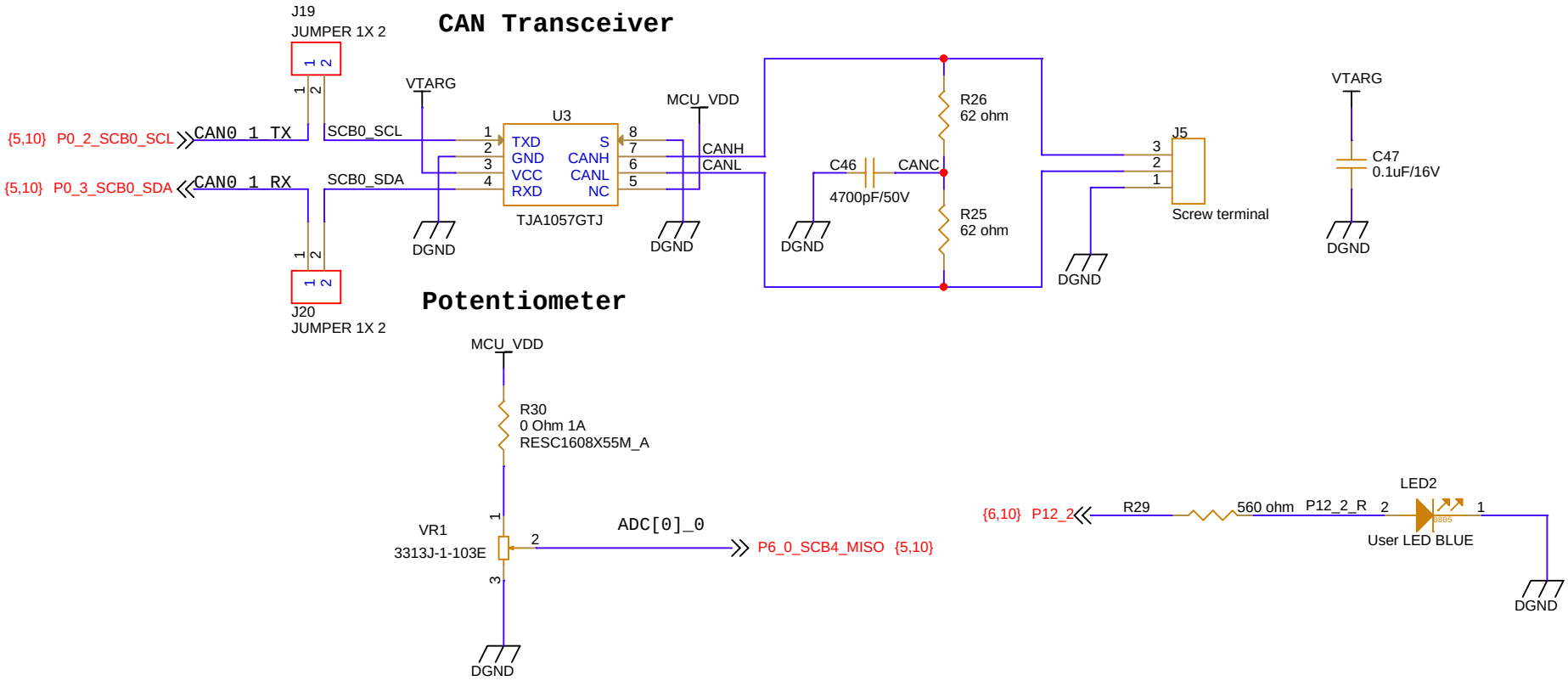
Target Device



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Page Title: Arduino Compatible Pinheader				
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CANFD, Potentiometer



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Page Title: CANFD, Potentiometer				
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REVISION HISTORY

Rev	DESCRIPTION	DATE
1.0	XMC5200 Evaluation Kit First Version	10/07/2025

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