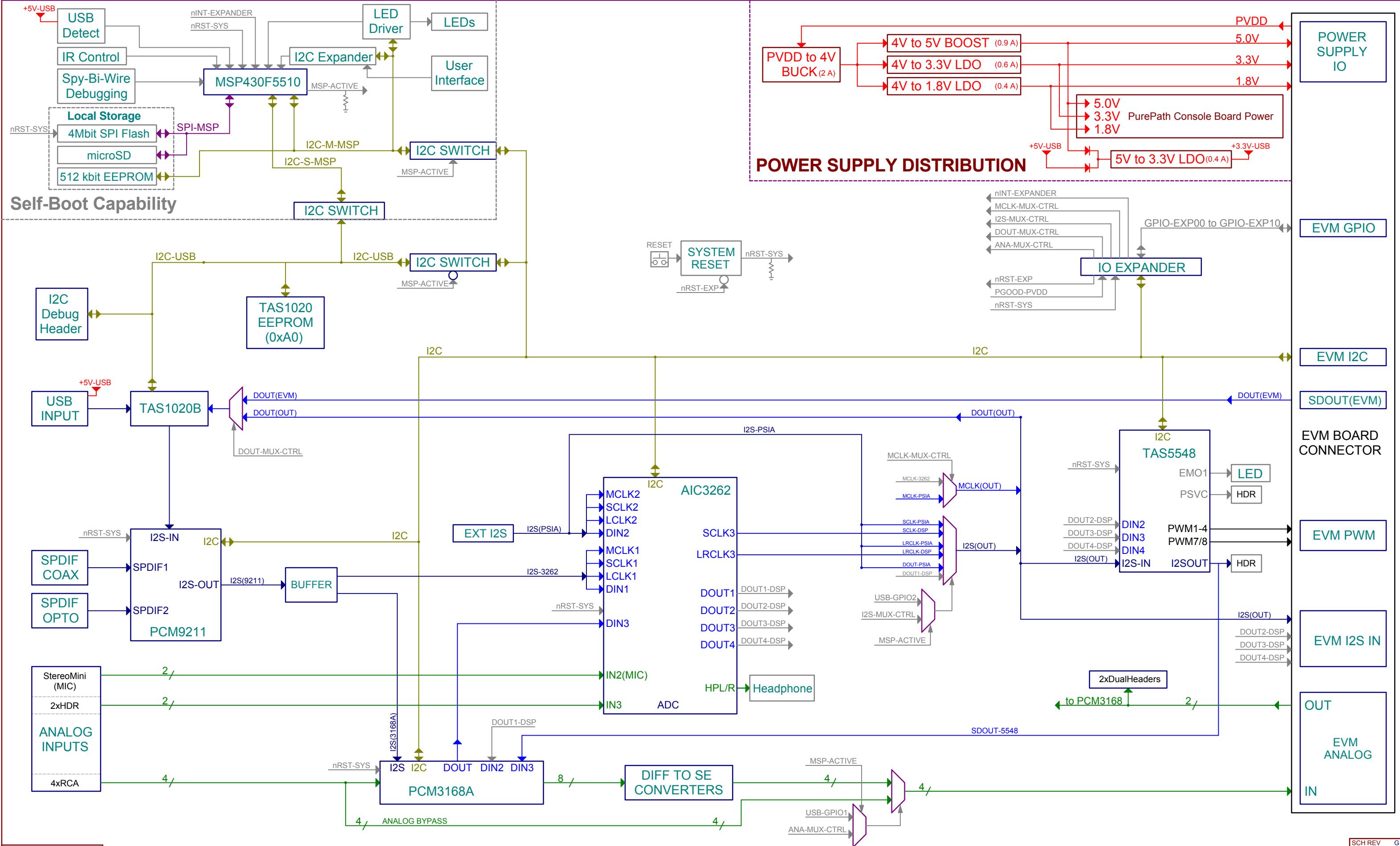
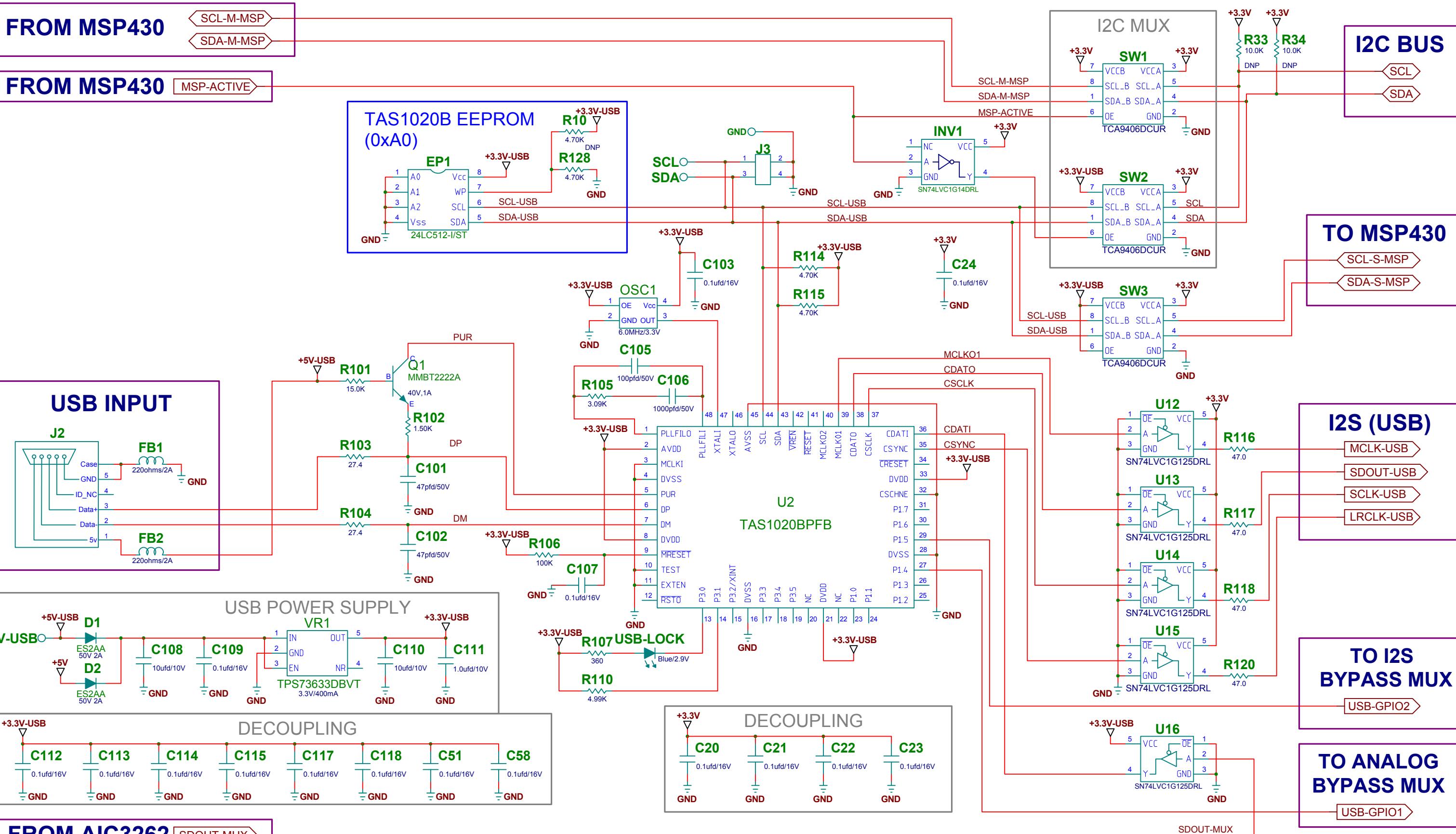


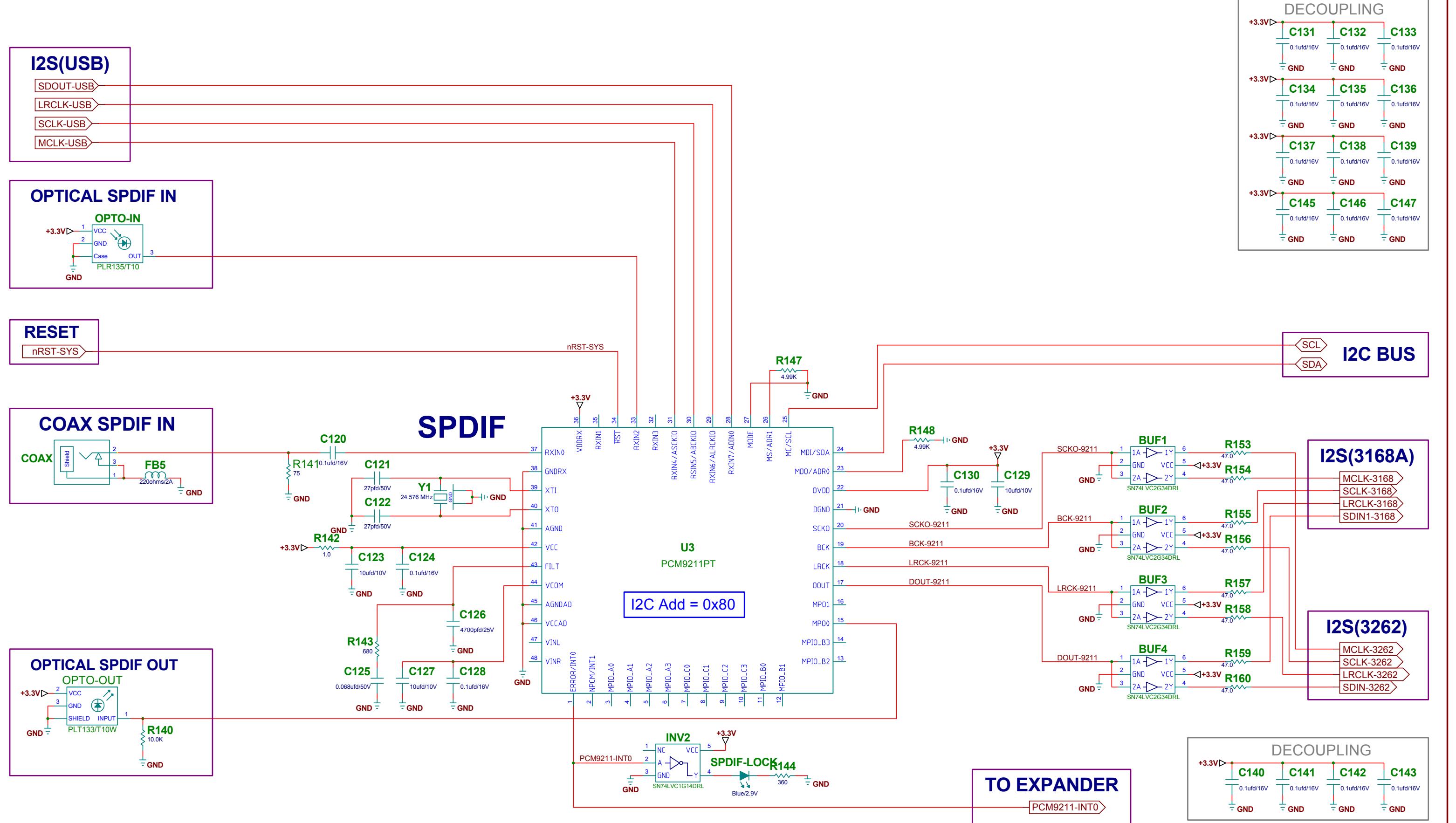
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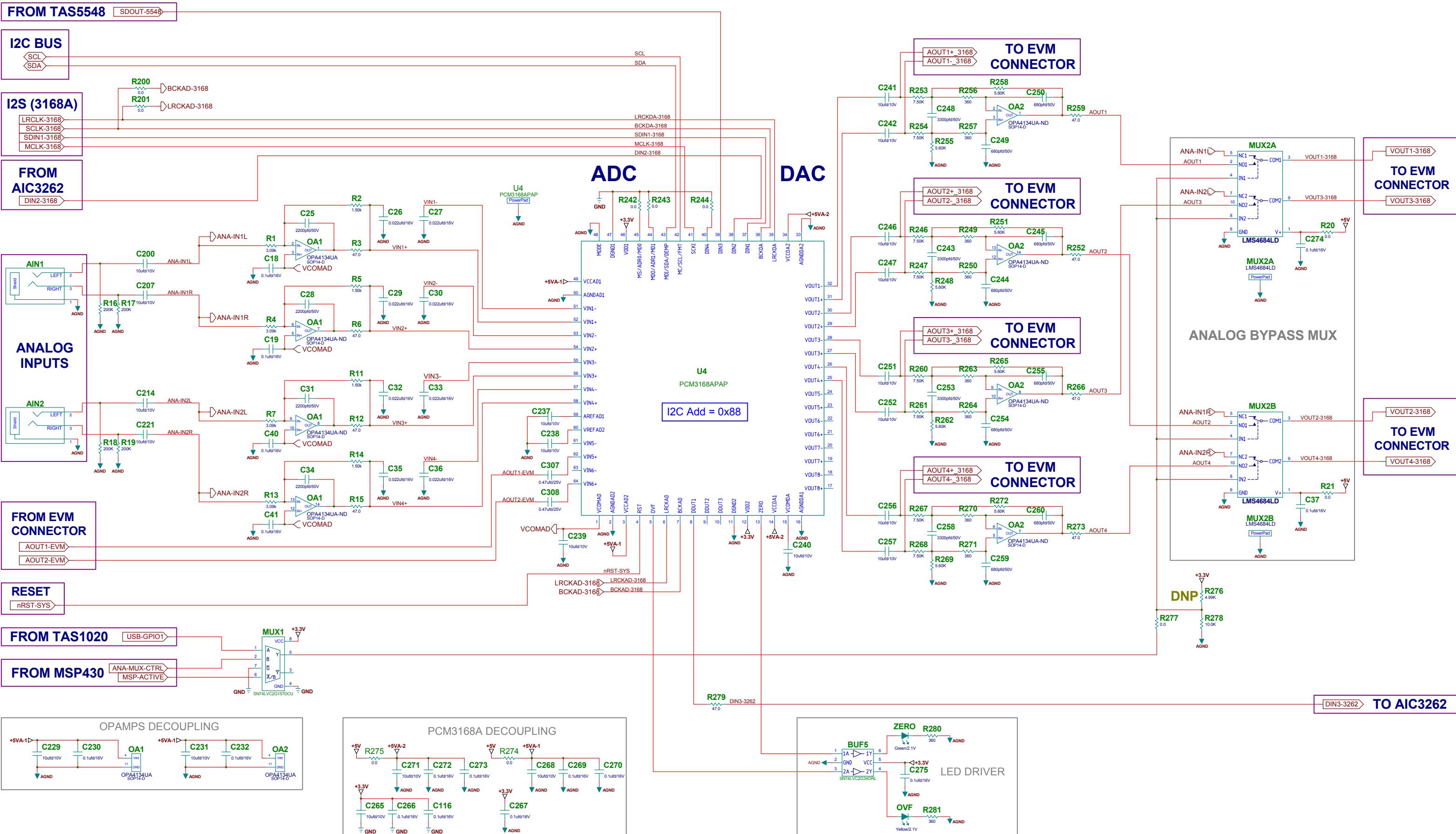
# PurePath™ Console MotherBoard



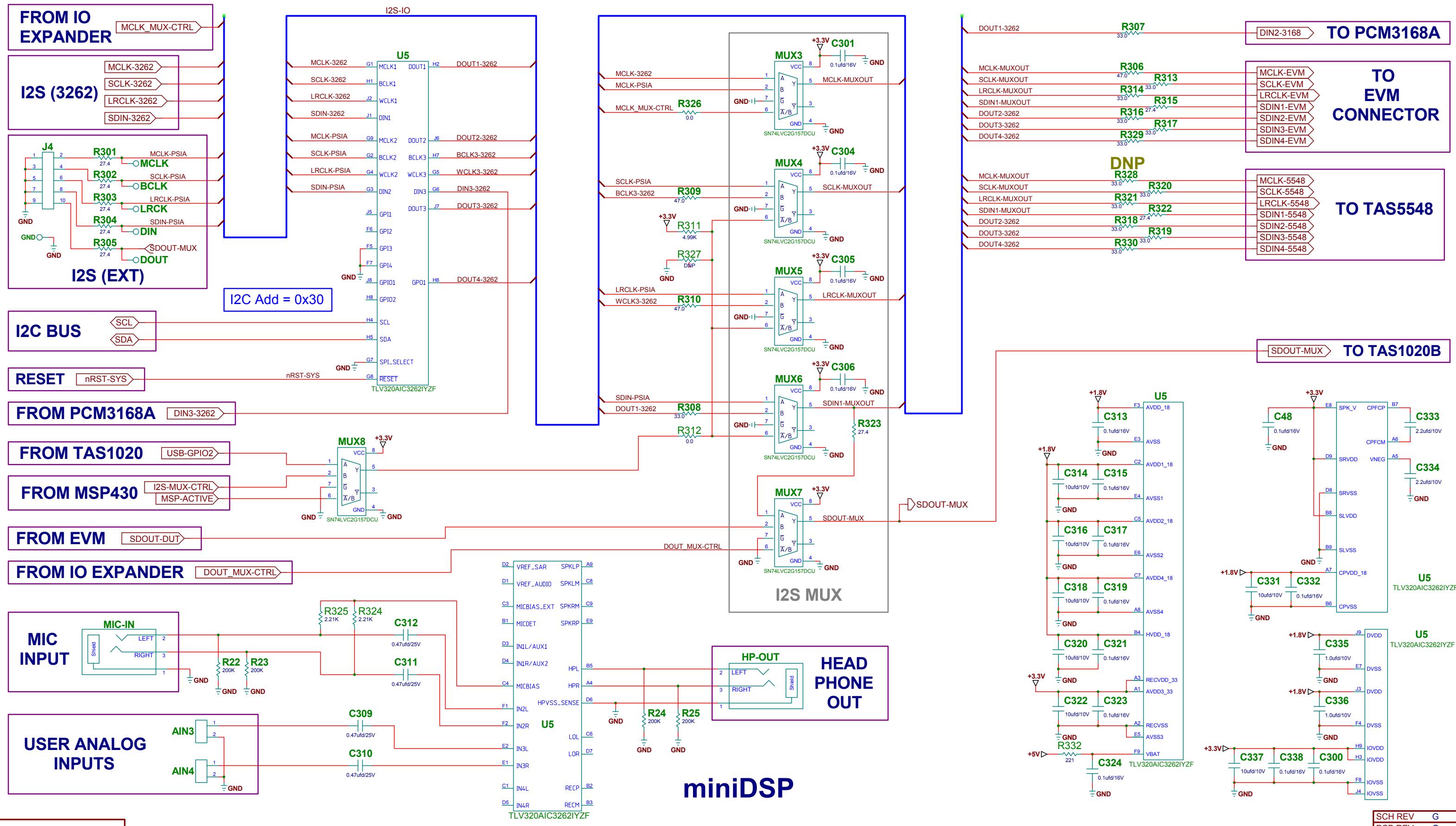
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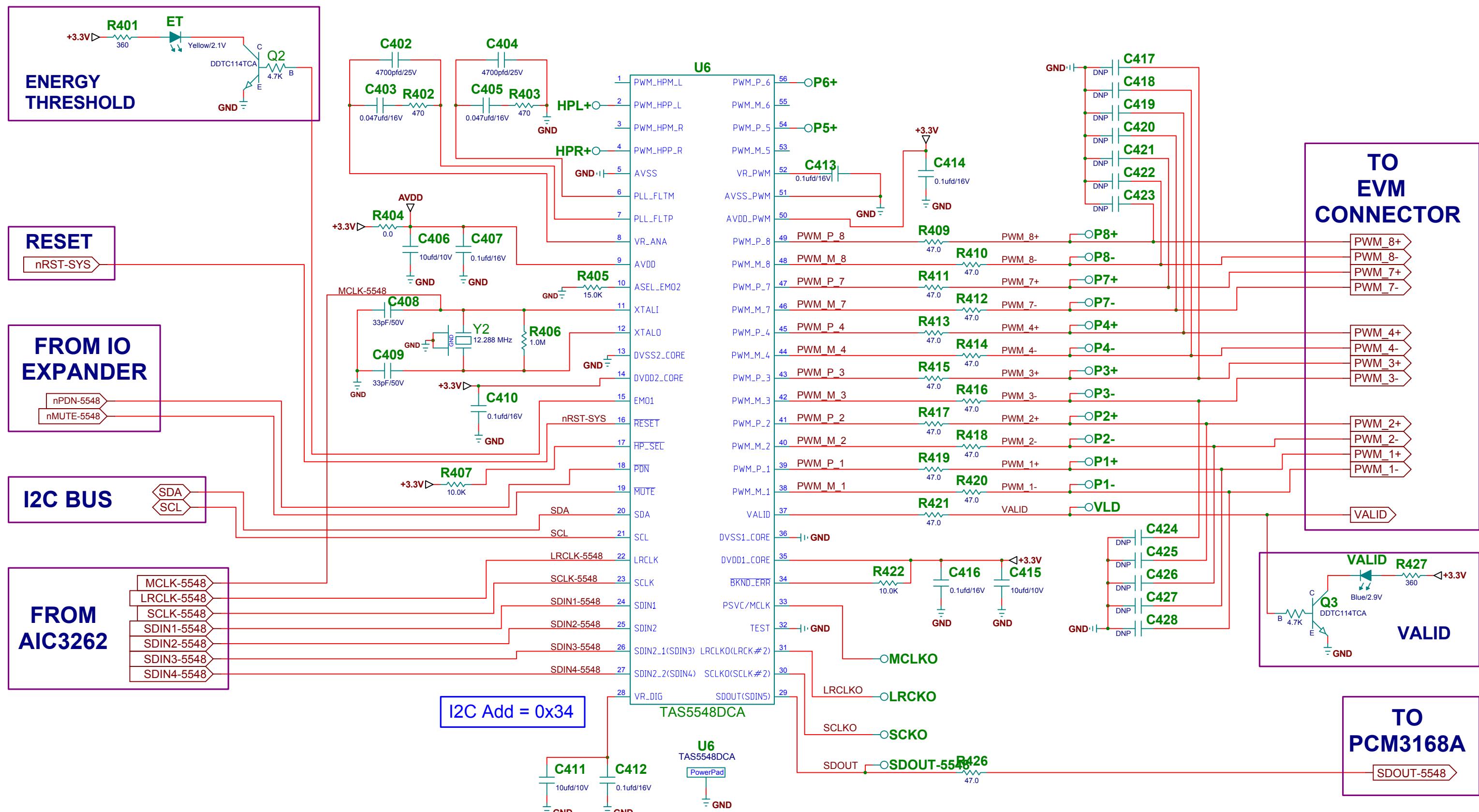
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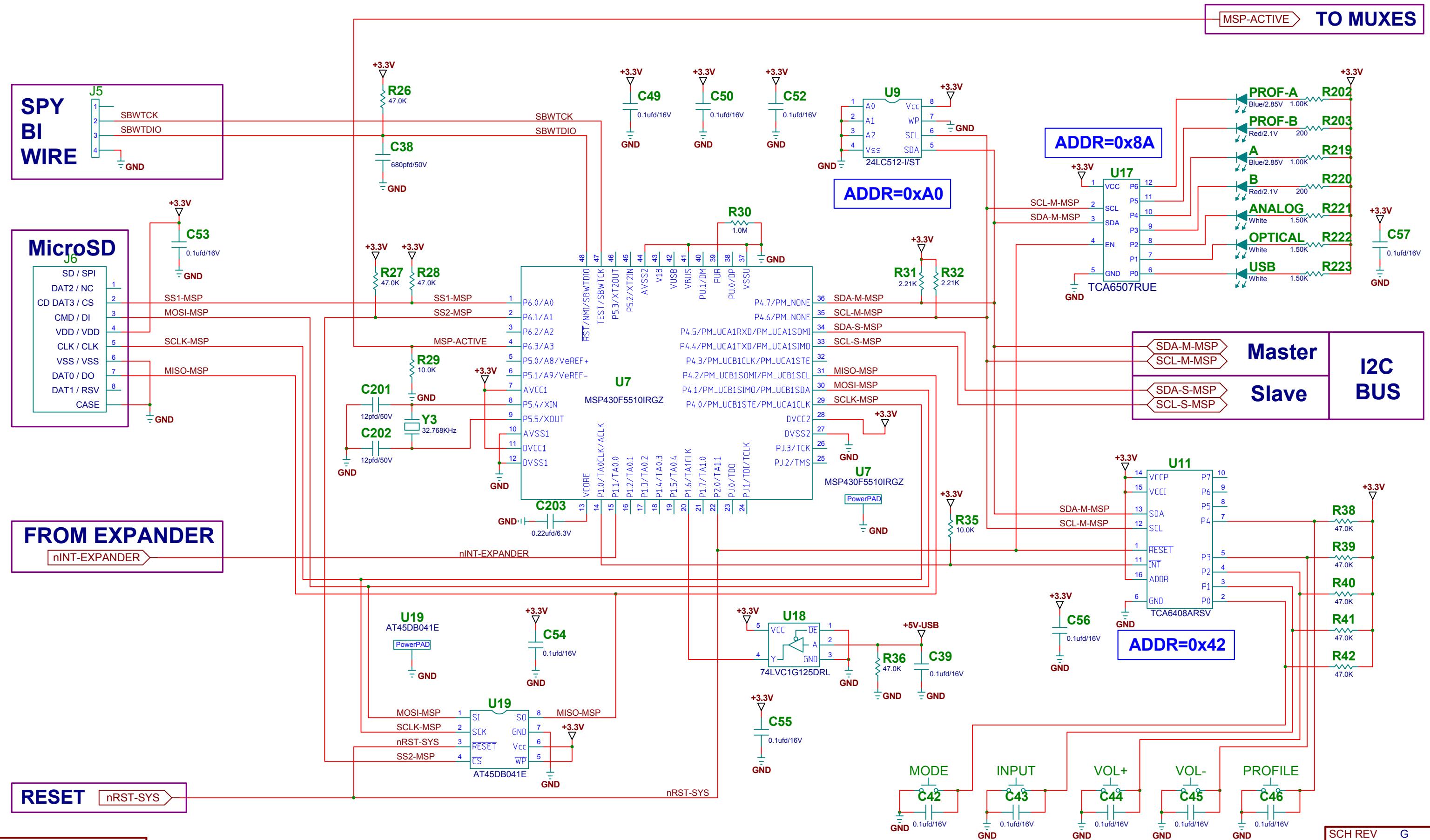
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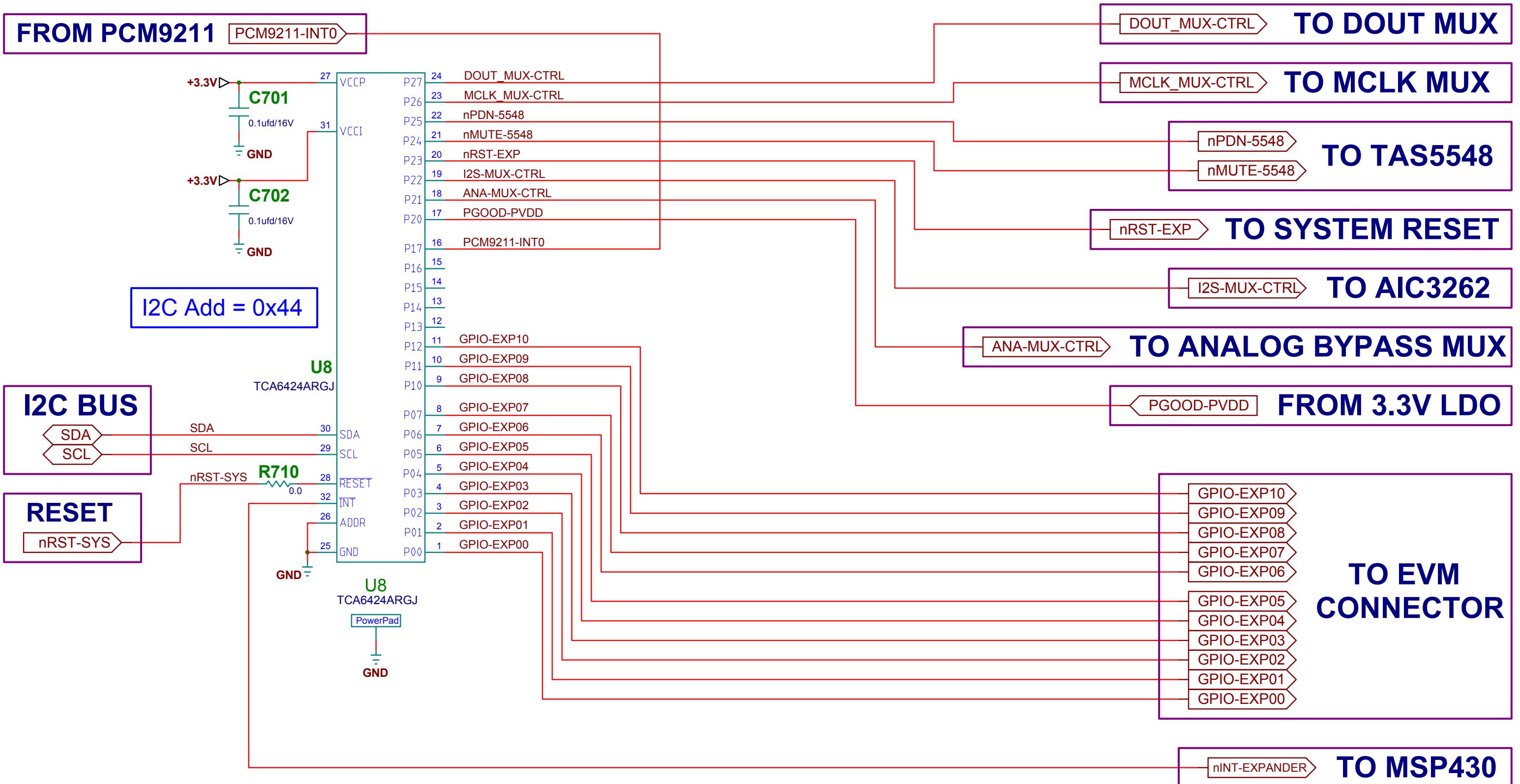
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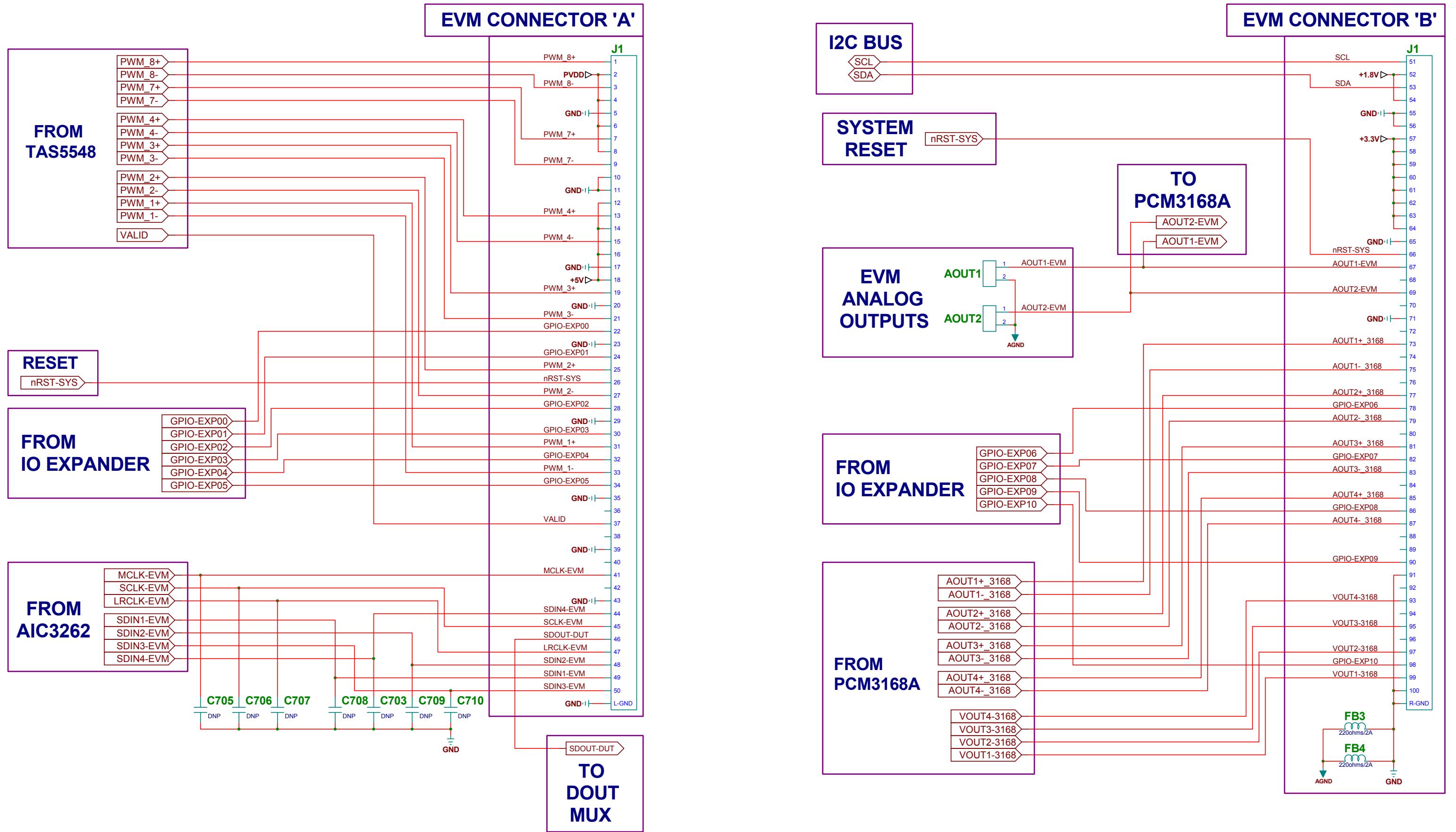
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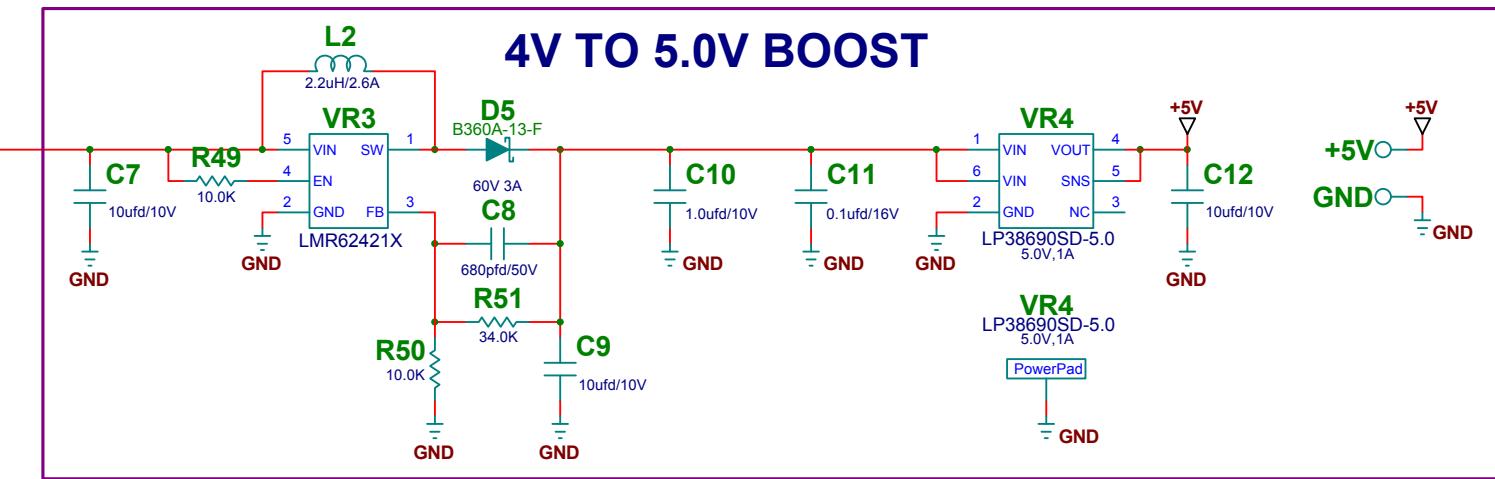
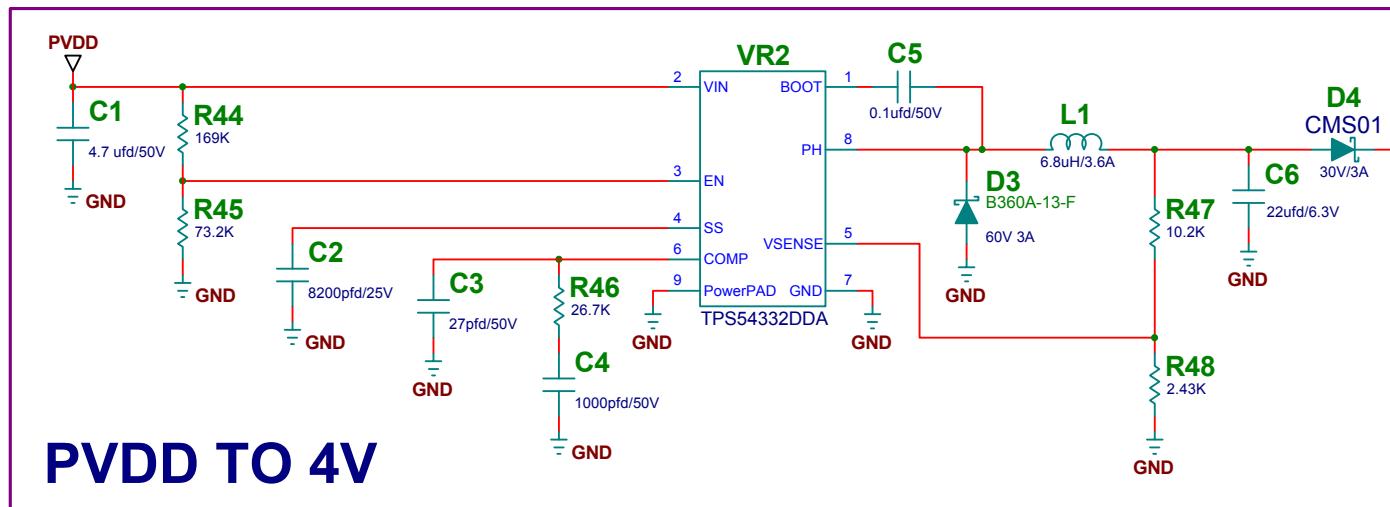
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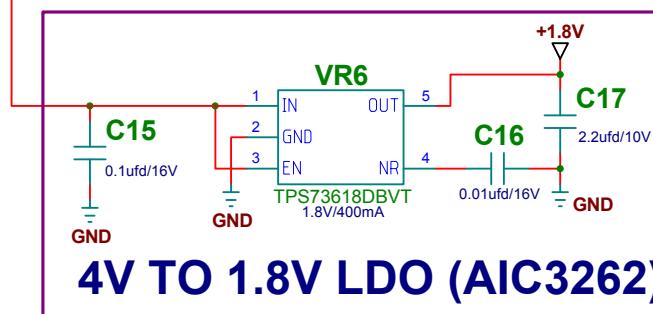
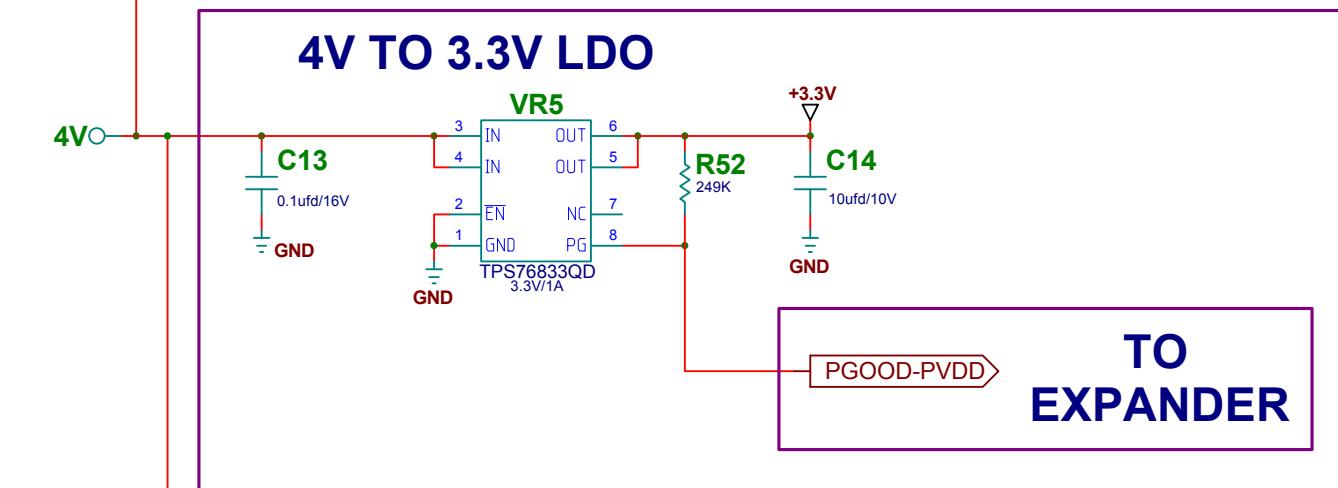
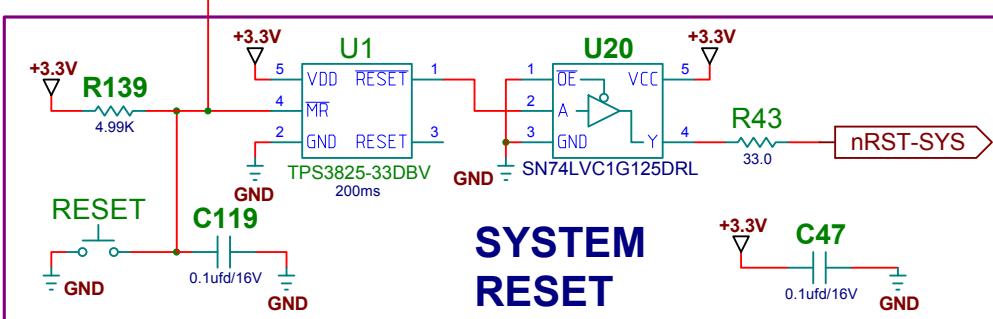
# PurePath™ Console MotherBoard



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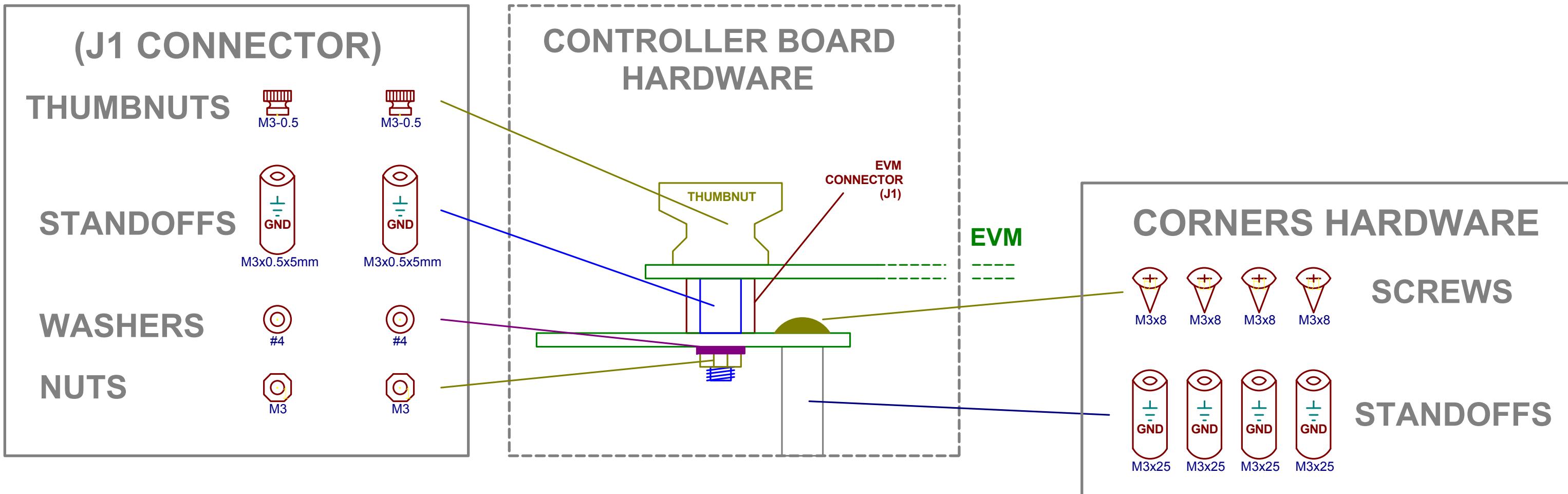


**FROM EXPANDER**



# PurePath™ Console MotherBoard

## STANDOFF HARDWARE



# PurePath™ Console MotherBoard

## REVISION HISTORY

REVISION	DESCRIPTION	DATE	APPROVAL
A	RELEASE	JULY 11, 2012	TL
B	<ul style="list-style-type: none"> <li>1. CHANGED J1 FROM RIGHT ANGLE TO VERTICLE MOUNT. (QSS-050-01-F-D-A)</li> <li>2. CHANGED ALL LEDs TO 0402 EXCEPT LEDs 1-5.</li> <li>3. CHANGE R5 VALUE TO 61.9K OHMS.</li> <li>4. ADDED 3.3V TO J1-58,60,62,64.</li> <li>5. ADDED RESET TO J1-66.</li> <li>6. DELETED LED6 AND R513.</li> <li>7. DELETED R245.</li> <li>8. POPULATED R426, VALUE = 0402-47 OHMS.</li> <li>9. CONNECTED R426 TO U4-39.</li> <li>10. ADDED R513 (0402-10K) TO 3.3V AND MCU-19.</li> <li>11. CONNECTED U8-32 TO MCU-19.</li> <li>12. ADD CR2 BETWEEN C7 AND C8.</li> <li>13. ADDED THUMBNUT PADS FOR J1.</li> </ul>	AUGUST 20, 2012	TL
C	<ul style="list-style-type: none"> <li>1. DELETED AND SHORTED ACROSS R149 TO R152,</li> <li>2. DELETED NAND1, R127, R131, R145, R146, R423, R424, R425.</li> <li>3. RENAMED LED7-LED15 TO LED6-LED14.</li> <li>4. RENAMED AND6 TO AND2.</li> <li>5. RENAMED AND7 TO AND3.</li> <li>6. RENAMED EEPROM1 TO EP1.</li> <li>7. CHANGED EP1 TO 24LC512.</li> <li>8. RENAMED EEPROM2 TO EP2.</li> <li>9. CHANGED EP2 TO 24LC512.</li> <li>10. CHANGE U7-26 TO 3.3V PULLUP.</li> <li>11. MOVE C200, C207, C214 AND C221 TO OUTPUT SIDE OF AIN1 AND AIN2.</li> <li>12. CHANGED EPROM1/2 TO 512K.</li> <li>13. ADD AND GATE(AND4) TO SYSTEM RESET.</li> <li>14. NETS = PB-RESET AND USB-RESET.</li> <li>15. ADDED RESET NET TO U8-28.</li> <li>16. ADDED TESTPOINT TO MUX4/5/6 A/B CONTROL PINS.</li> <li>17. ADDED TESTPOINTS TO PWM OUTPUTS.DELETE S6, R501 AND NET TO MCU-15.</li> <li>18. ADDED TESTPOINTS TO PWM I2S OUTS MCLK, SCLKO, LRCLKO, SDOUT.</li> <li>19. ADDED 10K PULLDOWN (R278) TO MUX2-IN1/2.</li> <li>20. ADDED ZERO OHM RESISTOR MUX3-6.</li> <li>21. ADDED DNP PULLDOWN RESISTOR TO MUX4/5/6 INA/B CONTROL.</li> <li>22. ADDED VALID LED AND DRIVER.</li> <li>23. ADDED I2C ADDRESSES.</li> </ul>	DECEMBER 11, 2012	TL
D	<ul style="list-style-type: none"> <li>1. DELETED 1.8V LED, R10, FB10, FB12.</li> <li>2. CONVERTED PSIA 2 PIN HEADER TO 3 PIN I2S BYPASS HEADERS.</li> <li>3. CONNECTED I2S-3262 TO PIN 1 OF BYPASS HEADERS.</li> <li>4. GROUNDED U3-27.</li> <li>5. CHANGED OPTO-IN PART TO PLR135/T10.</li> <li>6. CHANGED R133/R134 TO 0402/2.00K OHMS.</li> <li>7. REPLACED Q3 WITH NPN TRANSISTOR AND REMAPPED LED DRIVER.</li> <li>8. ON PCB: RECONNECTED ISOLATED 3.3V POWER PLANE ON LAYER 3.</li> </ul>	MAY 29, 2013	TL
E	1. CHANGED SW1/SW2/SW3 TO PCA9515BDGKR	JANUARY 16, 2015	JA
F	<ul style="list-style-type: none"> <li>1. FIXED ANALOG INPUT NOISE ISSUE.</li> <li>2. RENUMBERED NUMEROUS REFERENCE DESIGNATORS.</li> <li>3. ADDED I2S AND I2C HEADERS AND TESTPOINTS.</li> <li>4. CHANGED I2C MUX CIRCUITY.</li> <li>5. MOVED I2C HEADER TO USB VOLTAGE DOMAIN.</li> <li>6. ADDED SELF BOOTING CAPABILITY.</li> <li>7. REROUTED MOST OF PCB TO ALLOW FOR NEW CIRCUITS.</li> <li>8. CHANGED CLOCKING SCHEME.</li> <li>9. UPDATED POWERPAD FOOTPRINTS.</li> <li>10. FIXED I2S SWITCH ISSUES.</li> <li>11. PP-CMB OPERATING VOLTAGE RANGE IS NOW 4.5V TO 26VDC.</li> <li>12. REDESIGNED POWER SUPPLY CIRCUITS.</li> </ul>	FEBRUARY 3, 2015	JA
G	<ul style="list-style-type: none"> <li>1. ADDED LVC1G125 ON SYSTEM RESET.</li> <li>2. CHANGE R43 TO 33 OHMS AND MOVE TO SYSTEM RESET.</li> </ul>	JULY 20, 2015	JA

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