

$$R1 = V_{out} - V_{ref} / V_{ref} \times R2$$

$$V_{ref} = 0.815V$$

$$R1 = 4.1 - 0.815 / 0.815 \times 40.2 = 162K$$

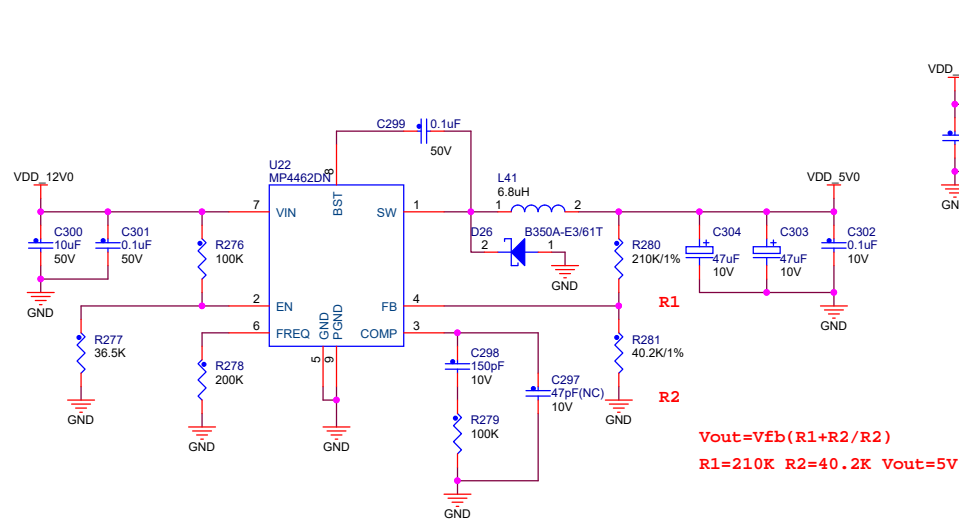
$$R1 = 5 - 0.815 / 0.815 \times 40.2 = 206.5K$$

$$V_{out} = V_{fb}(R1 + R2 / R2)$$

$$R1 = 210K \quad R2 = 40.2K \quad V_{out} = 5V$$

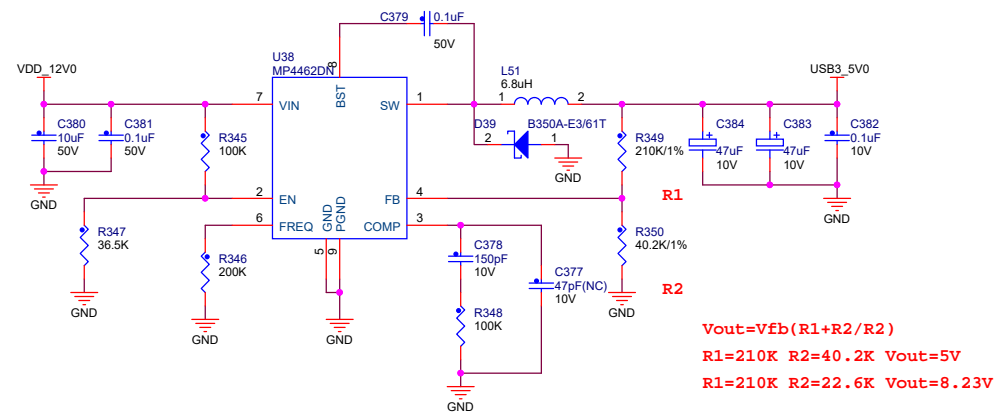
$$R1 = 210K \quad R2 = 24.9K \quad V_{out} = 7.5V$$

$$R1 = 210K \quad R2 = 22.6K \quad V_{out} = 8.23V$$



$$V_{out} = V_{fb}(R1 + R2 / R2)$$

$$R1 = 210K \quad R2 = 40.2K \quad V_{out} = 5V$$

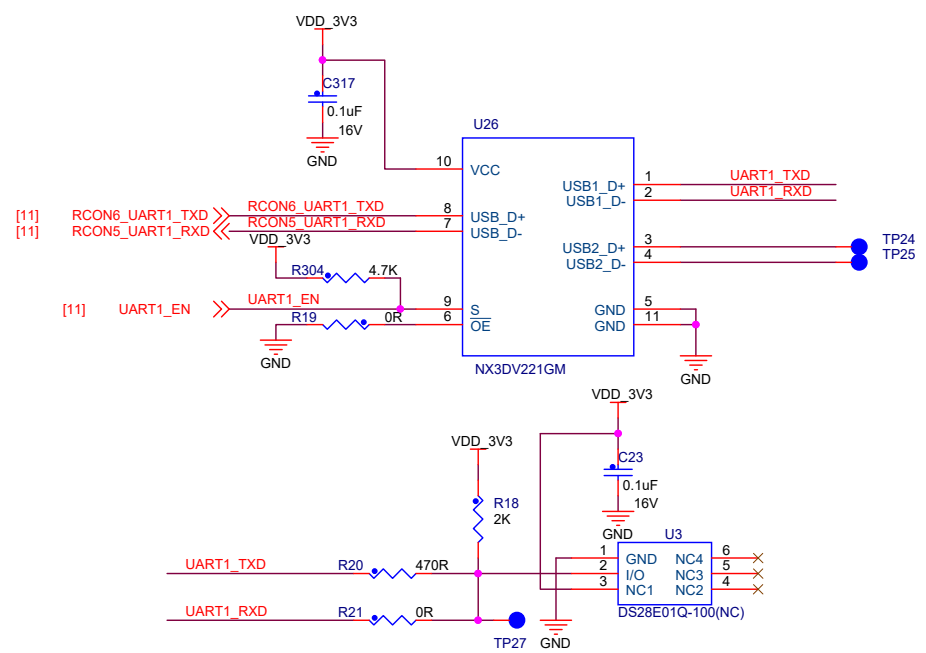
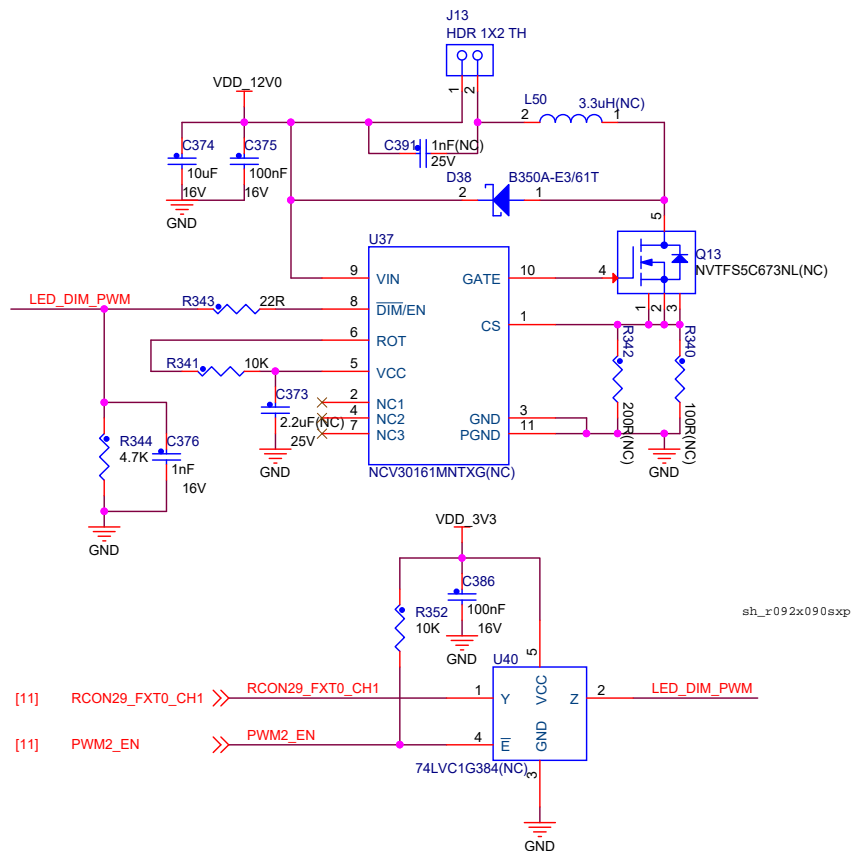
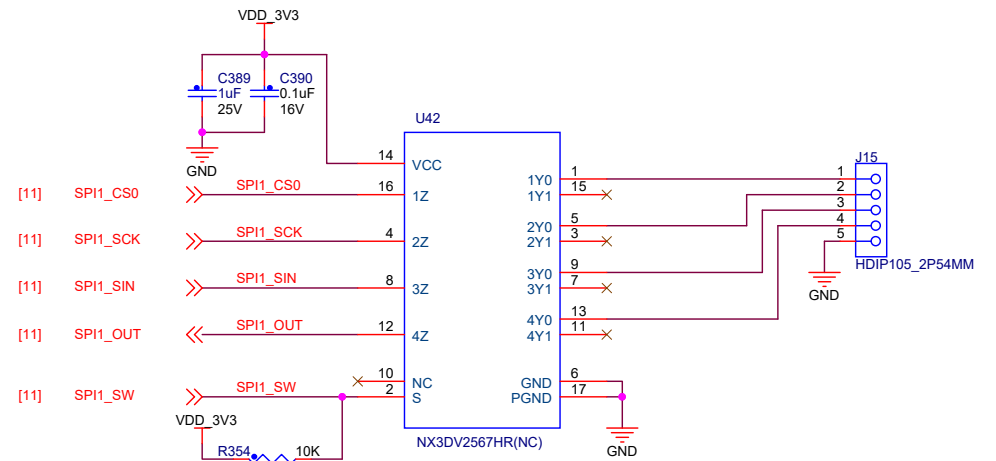
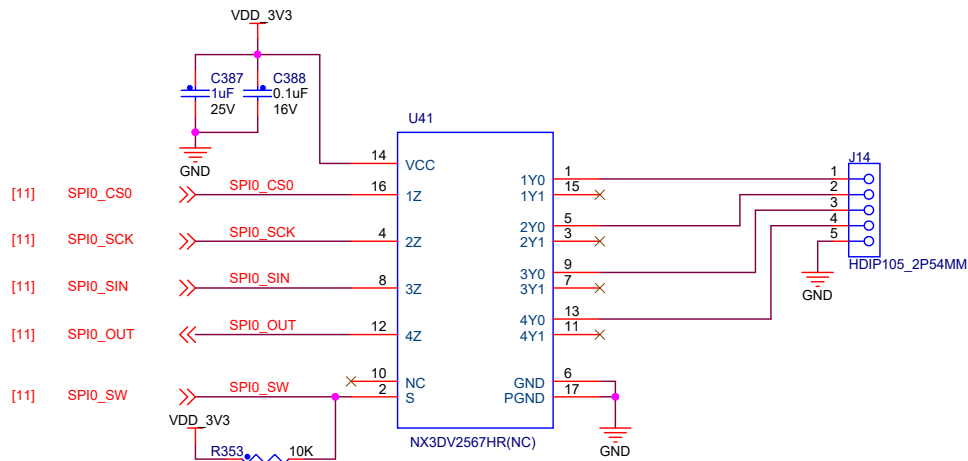


$$V_{out} = V_{fb}(R1 + R2 / R2)$$

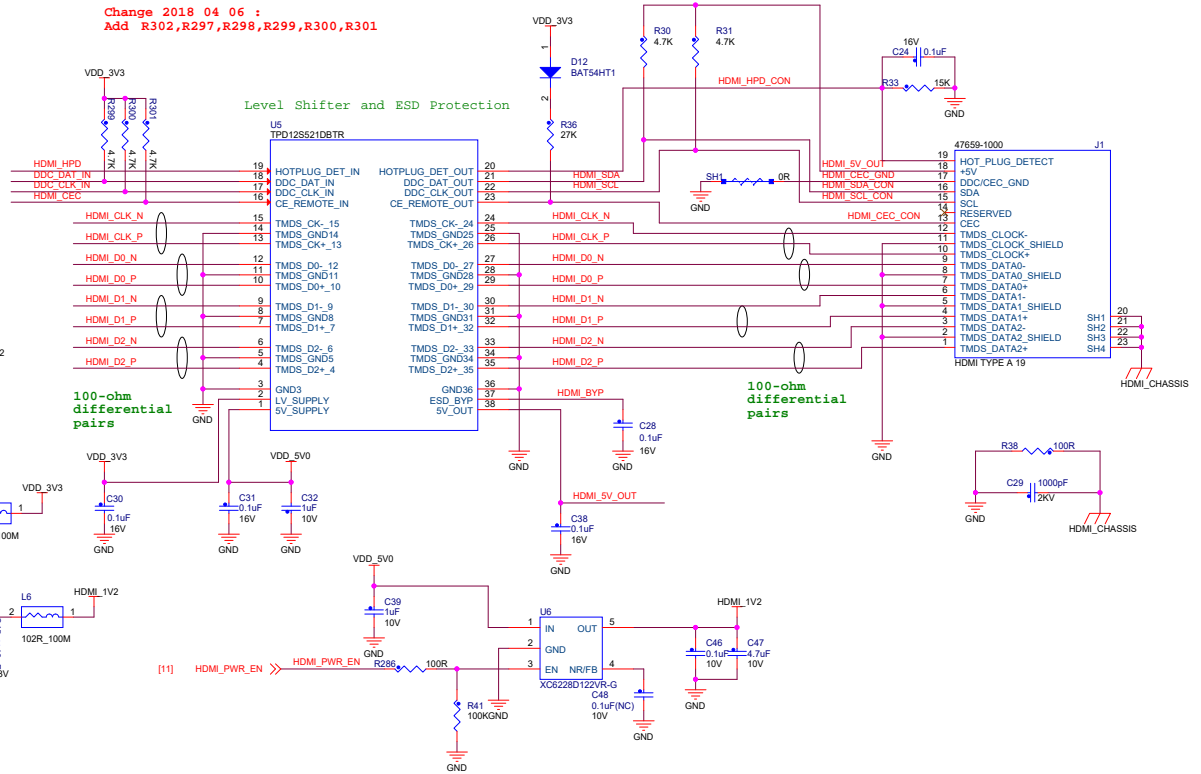
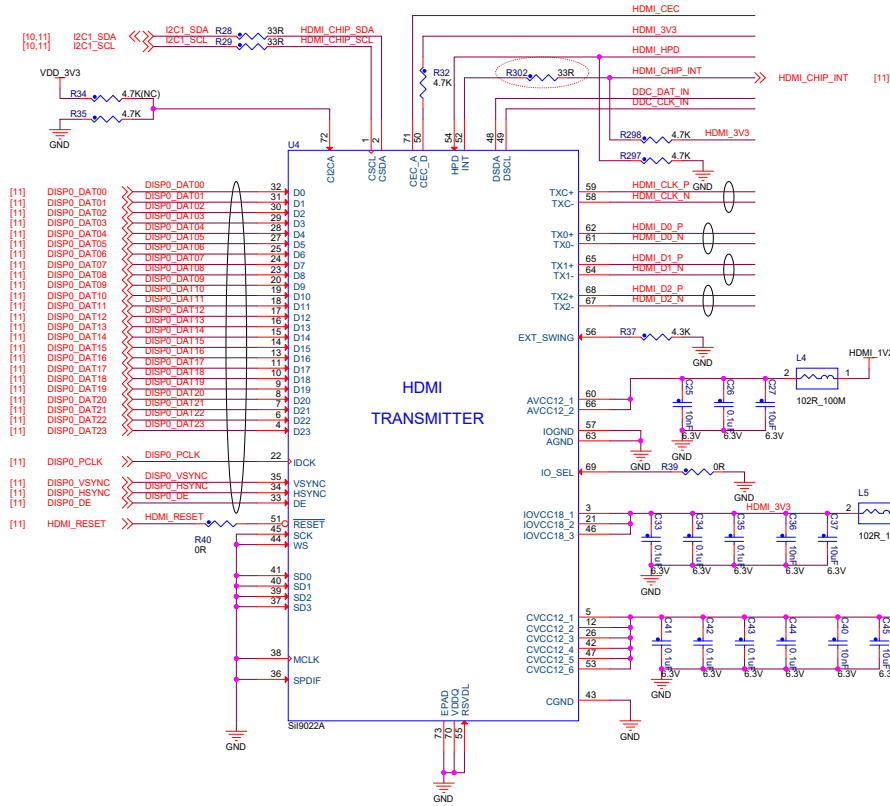
$$R1 = 210K \quad R2 = 40.2K \quad V_{out} = 5V$$

$$R1 = 210K \quad R2 = 22.6K \quad V_{out} = 8.23V$$

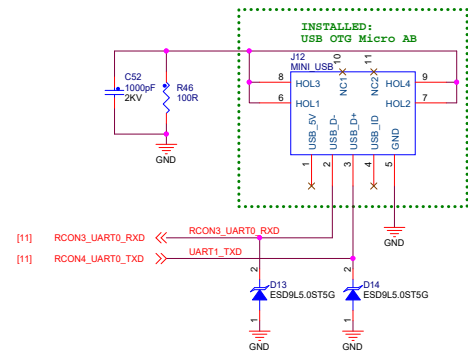




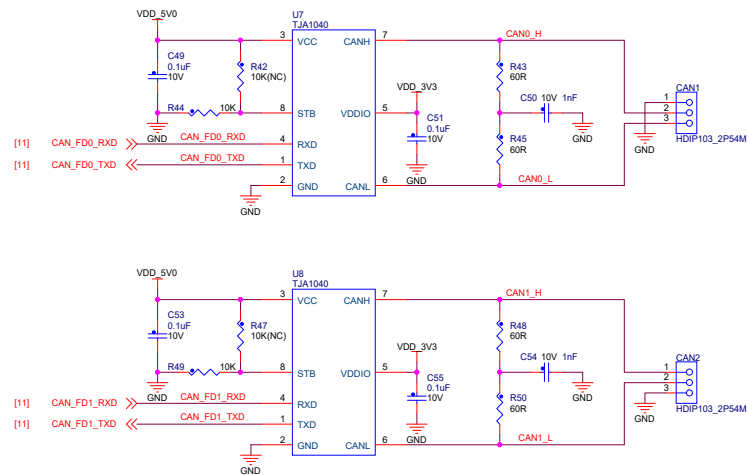
RGB to HDMI



DEBUG UART



CAN Connector



AVNET
Research Partner

File	S32V Carrier-HDMI out_Uart0_CAN		
Size	Document Number	S32V234 Carrier Board Rev0_6	Rev 0.6
Customer	S32V234 Carrier Board Rev0_6		
Date:	Friday, March 22, 2019	Sheet	3 of 11

