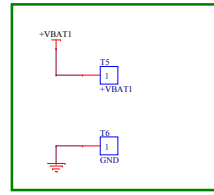
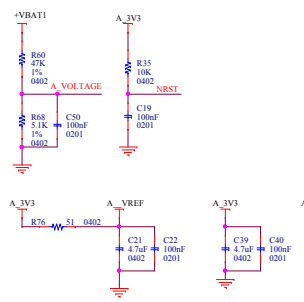
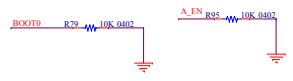
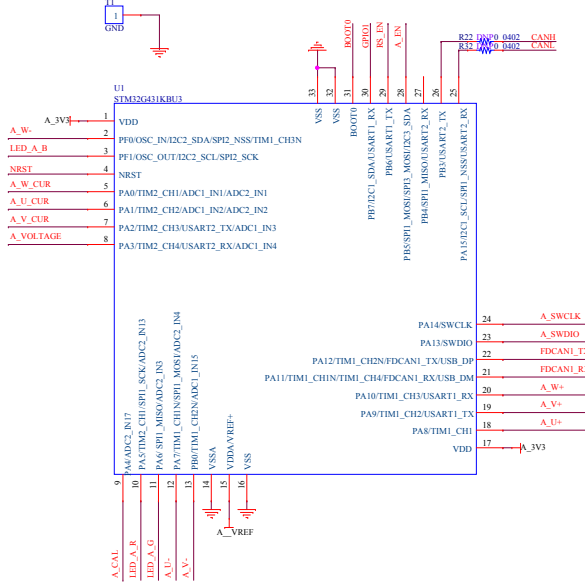
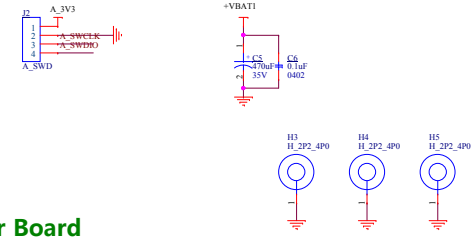


RGB LED current
 $I = (26.4 - 3) / (270 + 270) = 43.3\text{mA}$



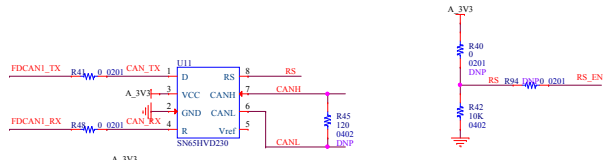
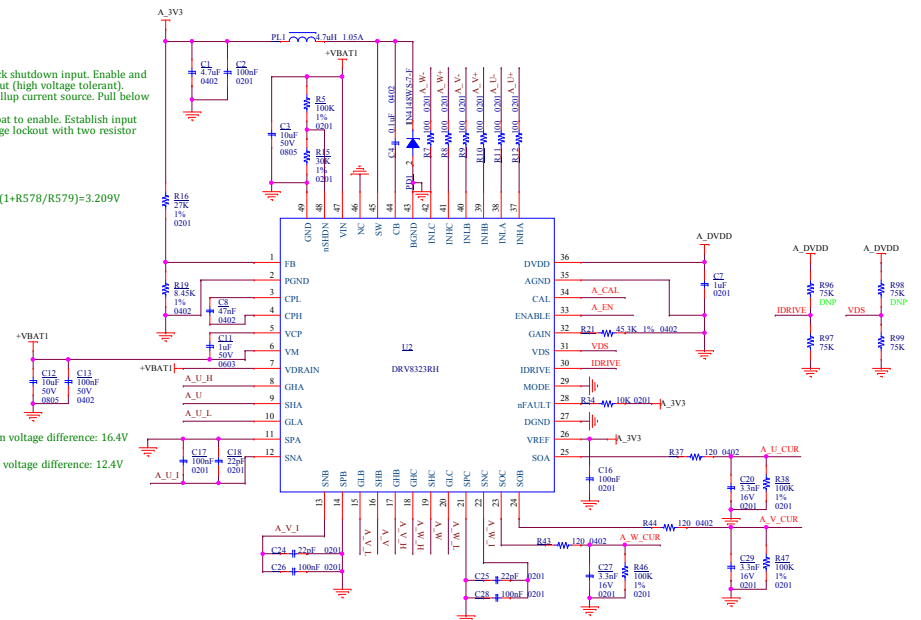
Power cord from Power Board



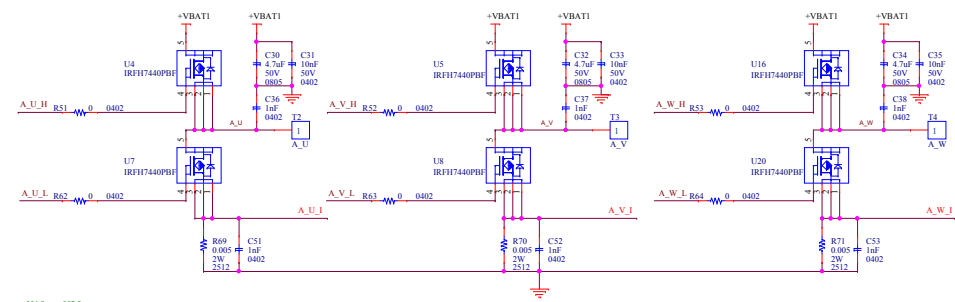
nSHDN: Buck shutdown input. Enable and disable input (high voltage tolerant). Internal pullup current source. Pull below 1.25V to disable. Float to enable. Establish input undervoltage lockout with two resistor divider.

$V_0 = 0.765V * (1 + R578/R579) = 3.209V$

CPL and CPH Maximum voltage difference: 16.4V
 VM and VCP Maximum voltage difference: 12.4V



RS: SN65HVD230 and SN65HVD231: Mode select pin: strong pull down to GND = high speed mode, strong pull up to VCC = low power mode, 10kΩ to 100kΩ pull down to GND = slope control mode



- V10-->V20
 1. Exchange PD2,PD3,PD4 pin1 and pin2
 2. Change LED1 package
 3. Change T2,T3,T4,T5,T6 package