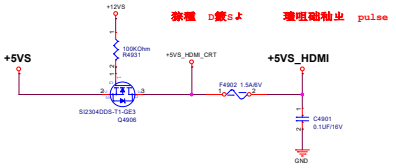
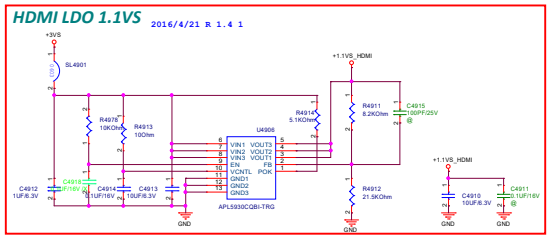
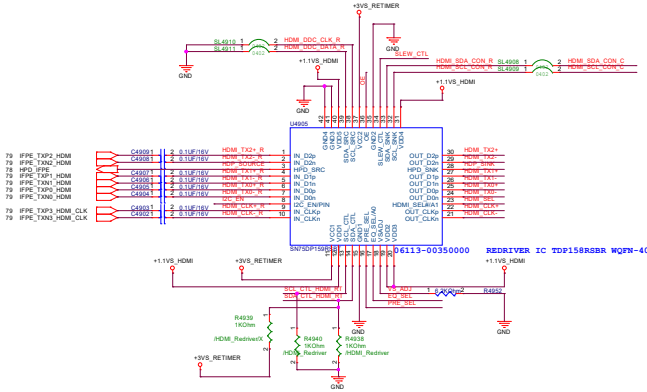
# HDMI Active-Level Shift

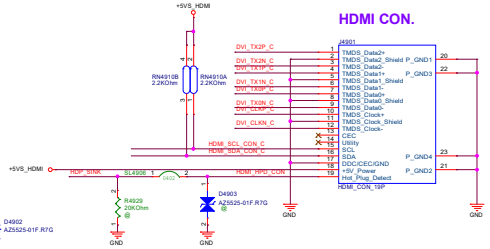


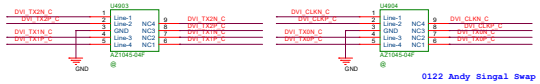


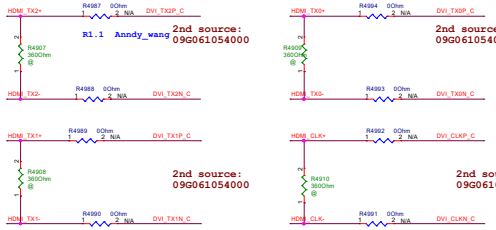







## FOR EMI

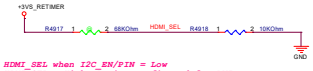



## For Redriver IC, All pull up/down res should be change to 1K

Slew rate control when I2C_EN/PIN = Low.
SLEW_CTL = H, fastest data rate
SLEW_CTL = L, 5 ps slow
SLEW_CTL = No Connect, 10 ps slow

I2C_EN/PIN = High; puts device into I2C control mode
I2C_EN/PIN = Low; puts device into pin strap mode



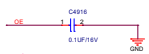

HDMI_SEL when I2C_EN/PIN = Low
HDMI_SEL = High: Device configured for DVI
HDMI_SEL = Low: Device configured for HDMI

SWAP/PIN = High; receive lane polarity swap (retimer mode only)
SWAP/PIN = Low; L receive lanes swap (retimer and redriver mode)
SWAP/POL = No Connect normal working

Input Receive Equalization pin strap when I2C_EN/PIN = Low
EQ_SEL = L: Fixed EQ at 7.5 dB
EQ_SEL = No Connect: Adaptive EQ
EQ_SEL = H: Fixed EQ at 4.5 dB

TX_TERM_CTL/PIN = High; No transmit termination
TX_TERM_CTL/PIN = Low; Transmit termination impedance in 75 to about 150
X_TERM_CTL/PIN = No Connect, automatically selects the termination impedance Data rate (DR) > 3.4 Gbps - 75- to 150-Ω differential near end termination 2 Gbps < DR < 3.4 Gbps - 150- to 300-Ω differential near end termination DR < 2 Gbps - no termination Note: If left floating will be in automatic select mode

De-emphasis pin strap when I2C_EN/PIN = Low.
PRE_SEL = L, - 2 dB de-emphasis level
PRE_SEL = No Connect: 0 dB
PRE_SEL = H: Reserved




Operation enable/reset pin
OE = L: Power-down mode OE = H: Normal operation
Internal weak pullup: Resets device when transitions from H to L