

A

B

C

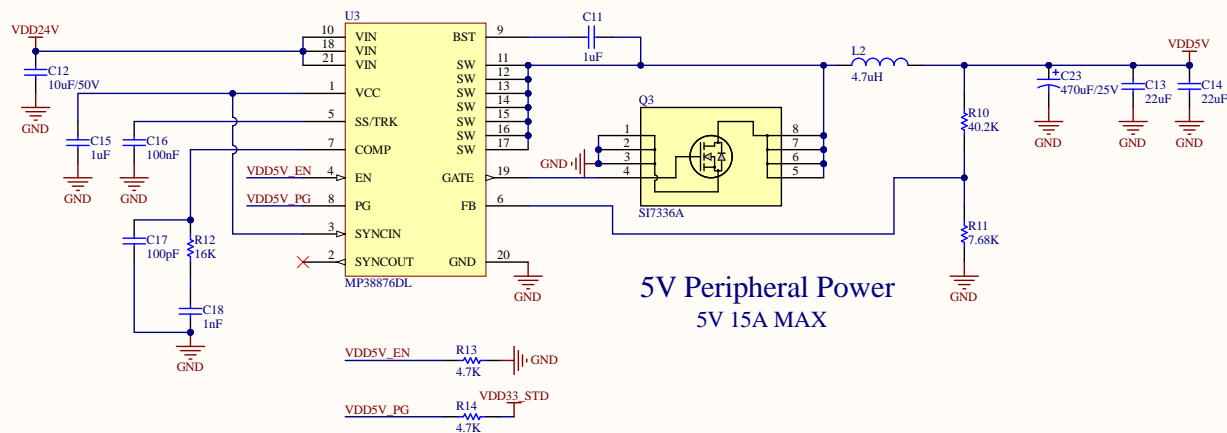
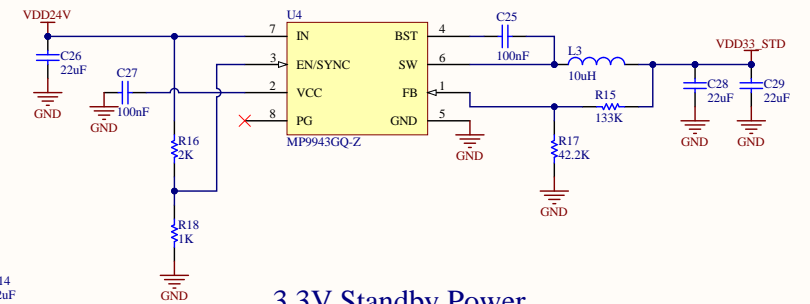
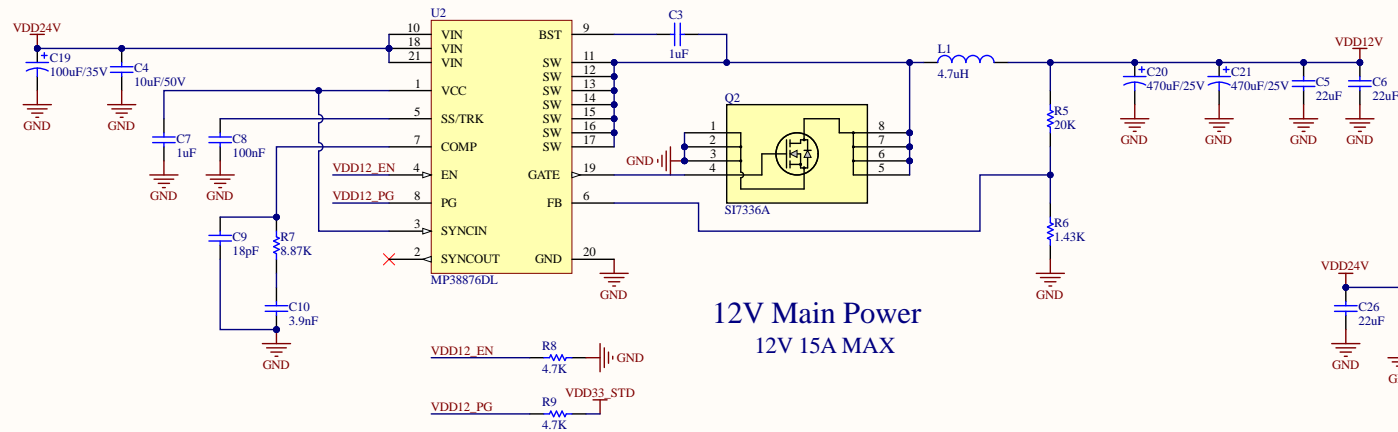
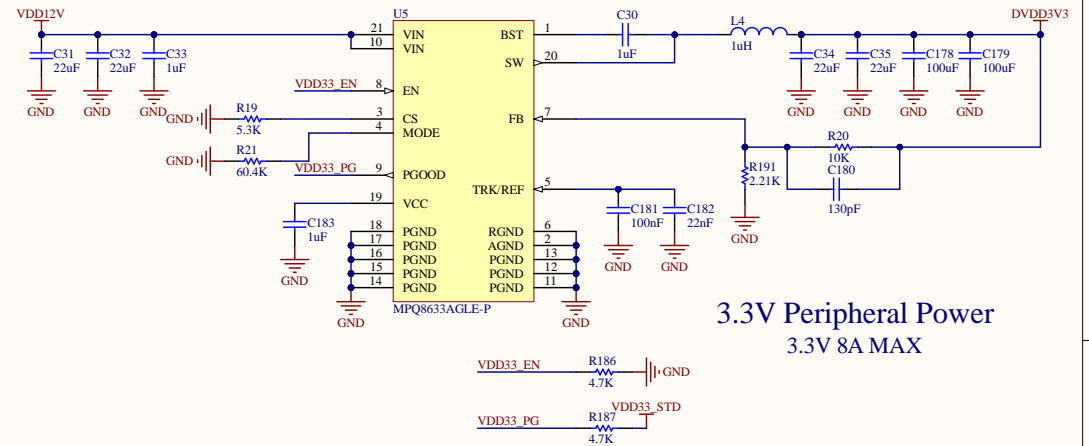
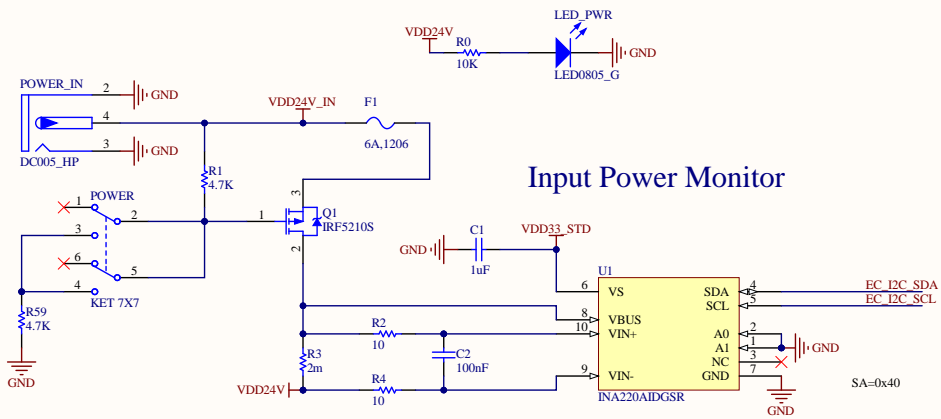
D

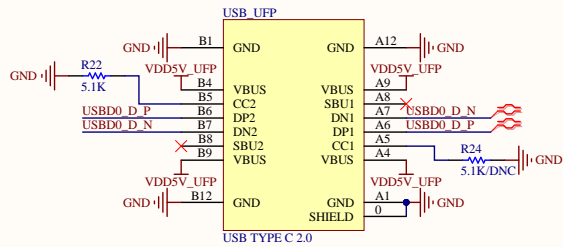
A

B

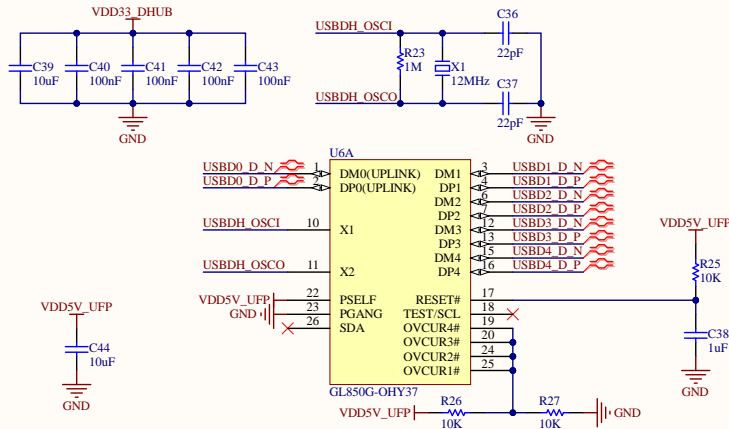
C

D

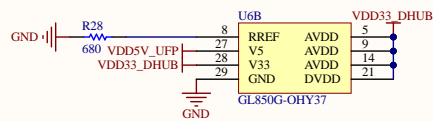




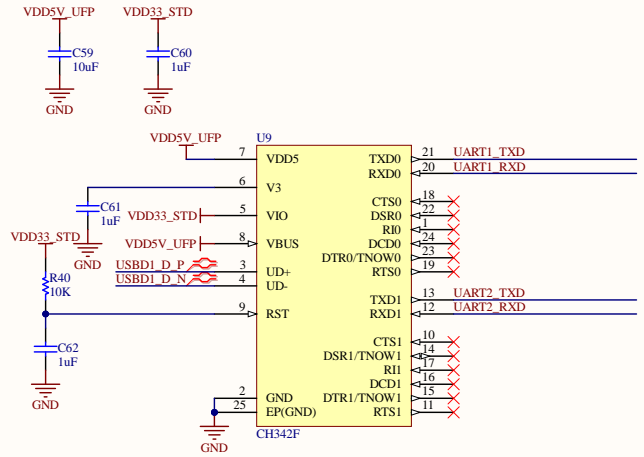
USB TYPE C UFP



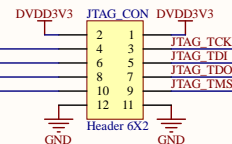
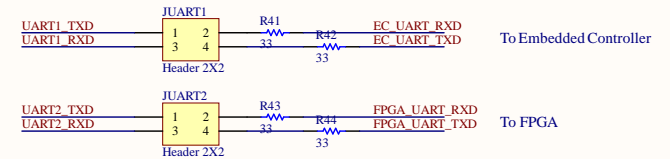
Onboard USB HUB



Onboard JTAG Debugger  
(Optional)

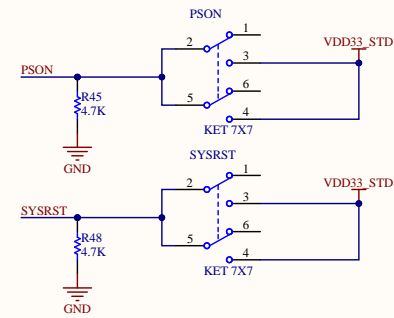


USB To UART Bridge

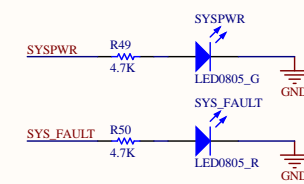


A

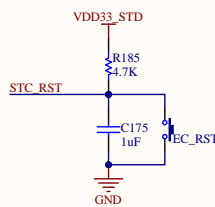
A



Soft Power Switch

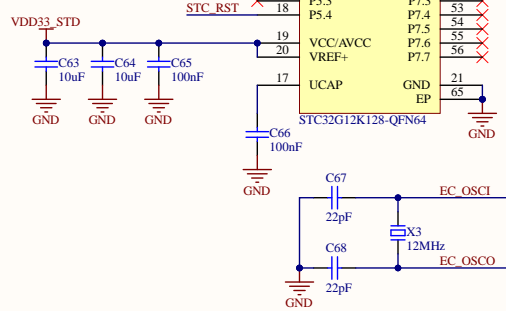


Status Indicator LED



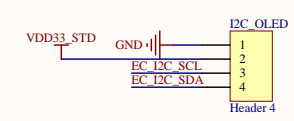
U10A			
SYSPWR	59	P0.0	45 EC_RSVD0
SYS_FAULT	60	P0.1	46 EC_RSVD1
PWRINT_EN	61	P0.2	47 EC_CS#
PWRIO_EN	62	P0.3	48 EC_MOSI
PM_I2C_ALERT	63	P0.4	49 EC_MISO
FPGA_DONE	2	P0.5	50 EC_SCLK
FPGA_VTEMP	3	P0.6	51 EC_INT
FPGA_PROG	4	P0.7	52 PS_ON
EC_UART_RXD	9	P1.0	27 USBD3_D_N
EC_UART_TXD	10	P1.1	28 USBD3_D_P
FAN_MON	16	P1.3	29 IO_P3.2
EC_I2C_SDA	12	P1.4	30 FAN_PWR
EC_I2C_SCL	13	P1.5	31 FAN_PWM
EC_OSCO	14	P1.6	34
EC_OSCI	15	P1.7	35 SYSRST
STC32G12K128-QFN64			

U10B			
22	P4.0	P6.0	5 VDDI2_EN
41	P4.1	P6.1	6 VDDI2_PG
42	P4.2	P6.2	7 VDDSV_EN
43	P4.3	P6.3	8 VDDSV_PG
44	P4.4	P6.4	23 IO_P6.4
47	P4.5	P6.5	24 IO_P6.5
58	P4.6	P6.6	25 IO_P6.6
11	P4.7	P6.7	26 IO_P6.7
32	P5.0	P7.0	37 VDD33_EN
33	P5.1	P7.1	38 VDD33_PG
64	P5.2	P7.2	39
1	P5.3	P7.3	40
18	P5.4	P7.4	53
19	VCC/AVCC	P7.5	54
20	VREF+	P7.6	55
17	UCAP	P7.7	56
STC32G12K128-QFN64			

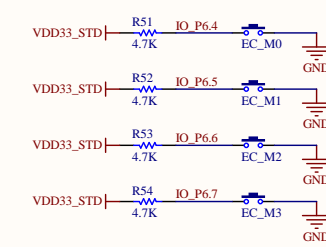


STC32 Embedded Controller

Power Manager, System Monitor for ACPI



OLED Display



System Manager Key

D

D

A

B

C

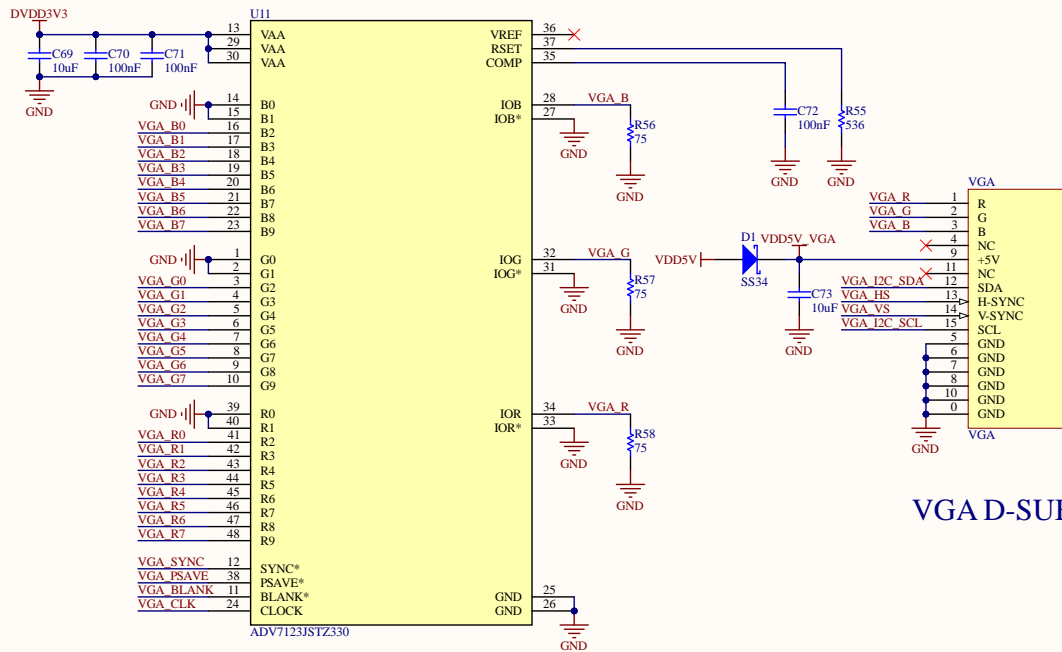
D

A

B

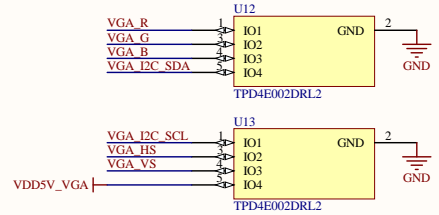
C

D

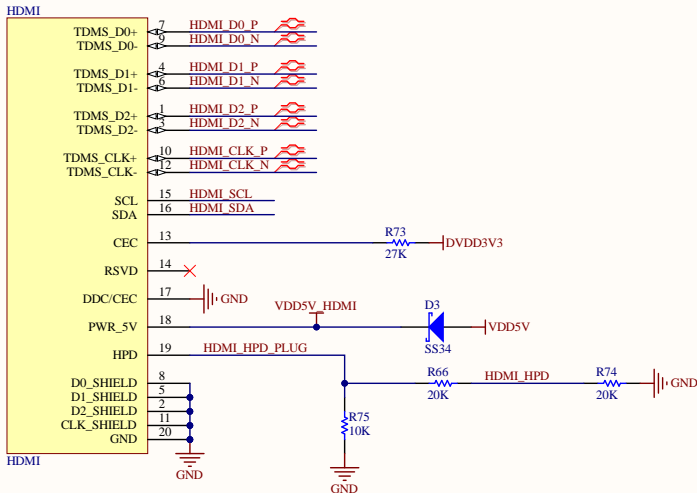
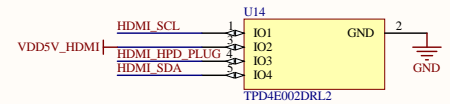


RGB888 To VGA DAC

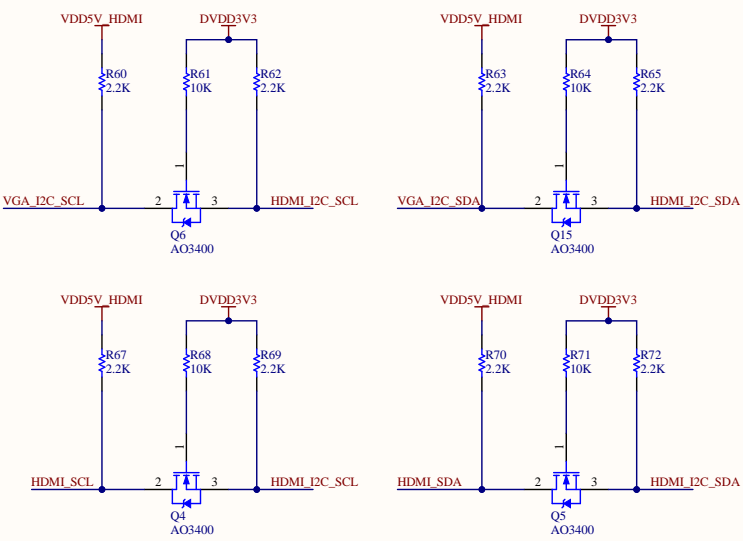
ESD Protect for VGA



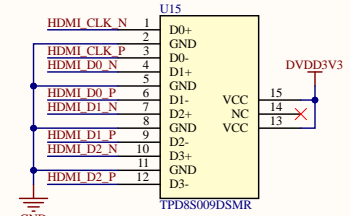
VGA D-SUB Connector

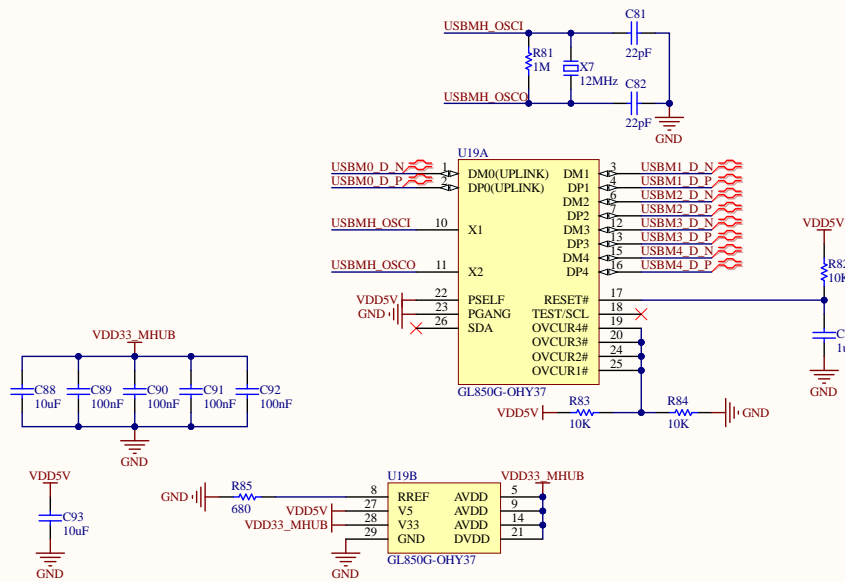


HDMI Connector

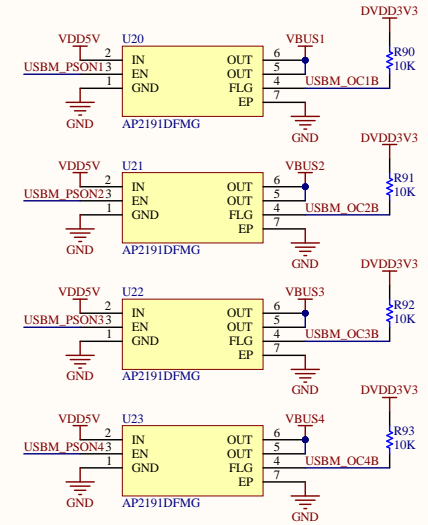
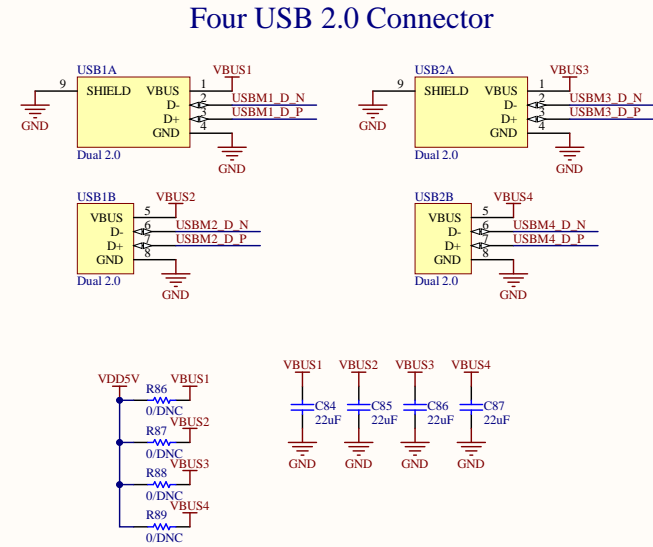


ESD Protect for HDMI





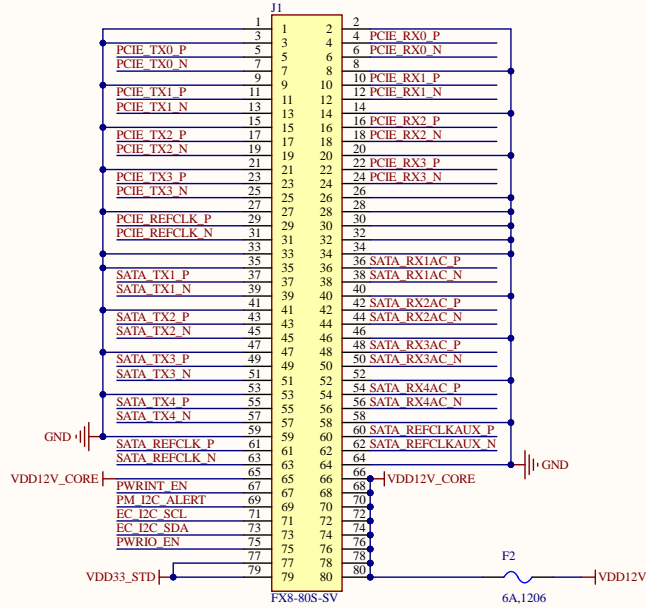
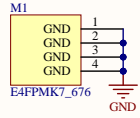
USB HOST HUB



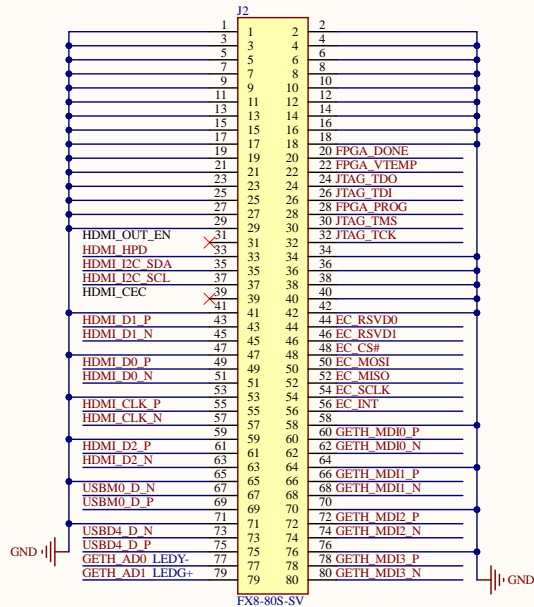
USB VBUS Monitor and Controller

A

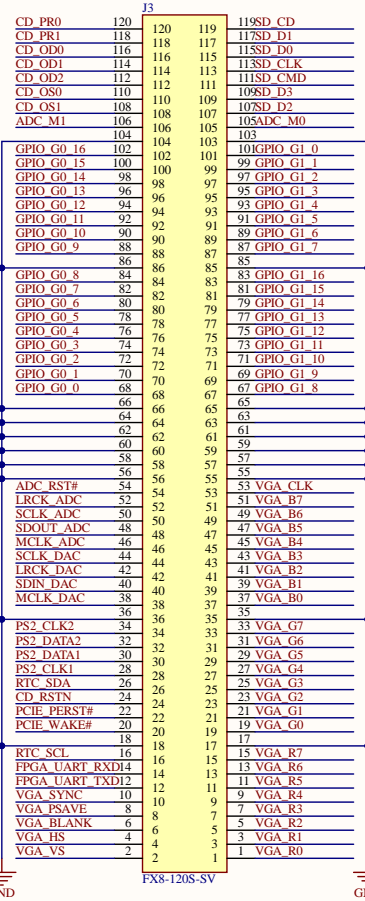
A



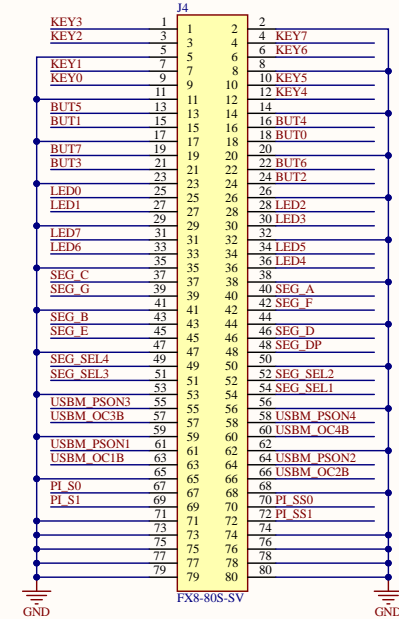
Core Board Connector For GTX and Power



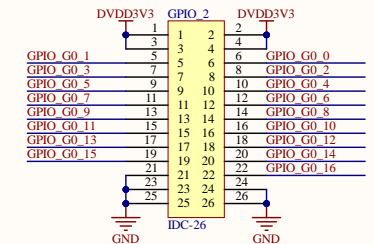
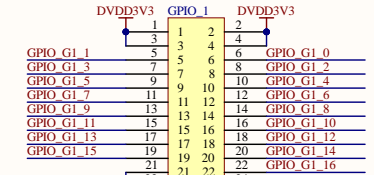
Core Board Connector For Dedicated I/O



Core Board Connector For Single Ended GPIO



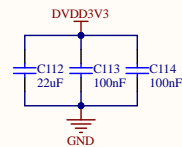
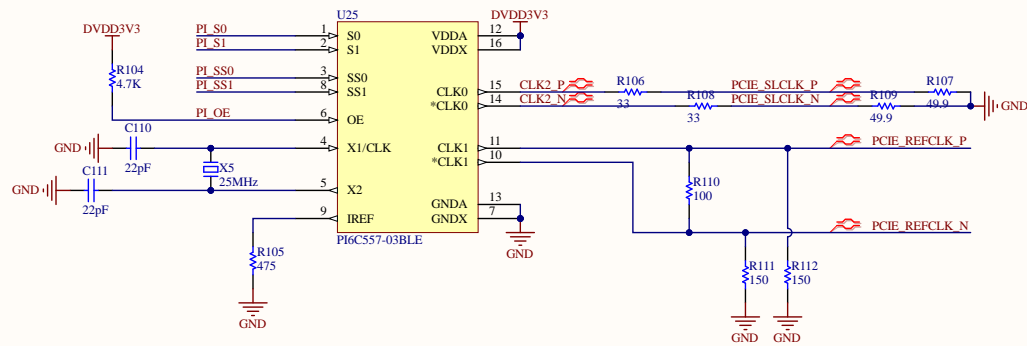
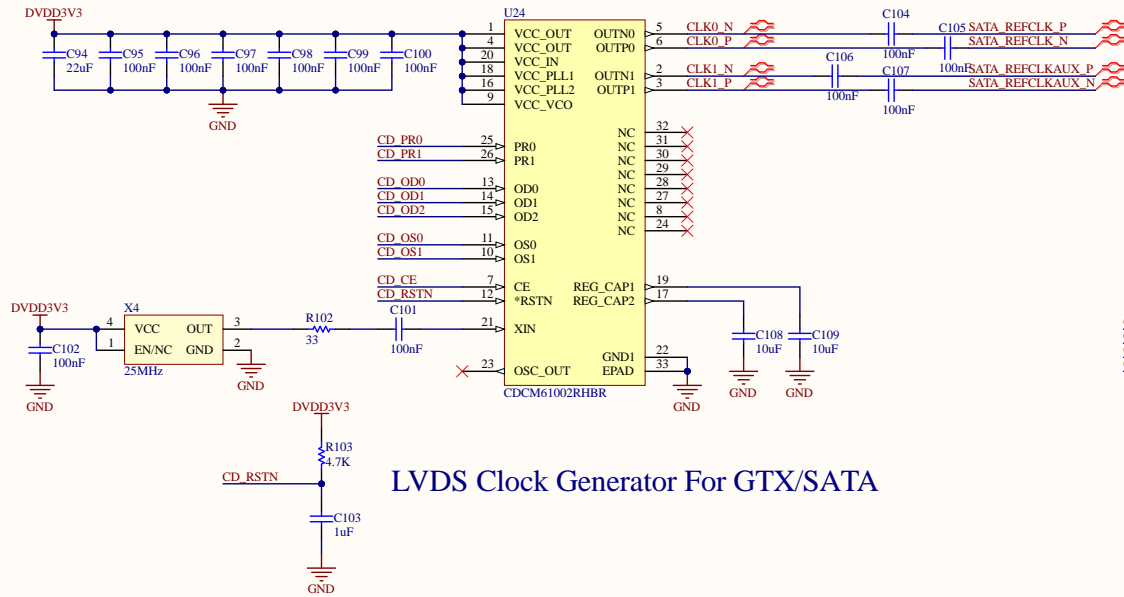
Core Board Connector For Differential GPIO



IDC 2.54mm Connector For GPIO

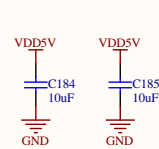
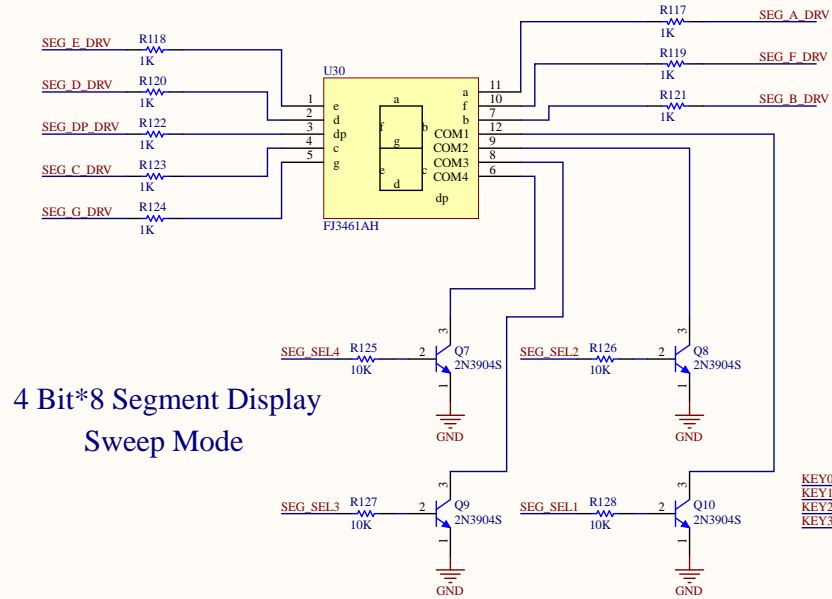
D

D

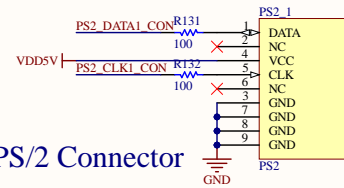




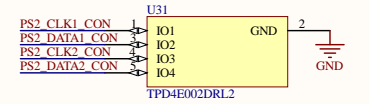
PCI Express SLOT



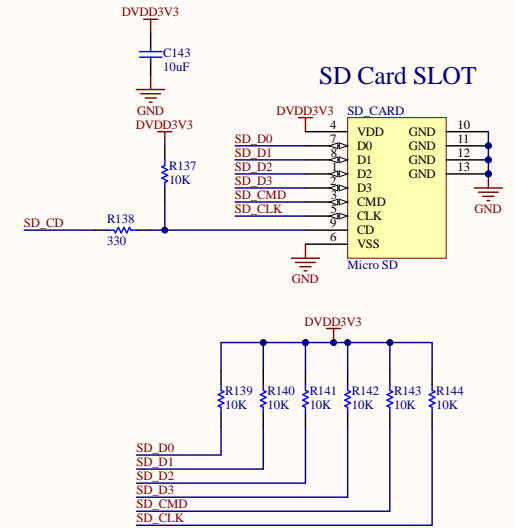
### PS/2 Connector



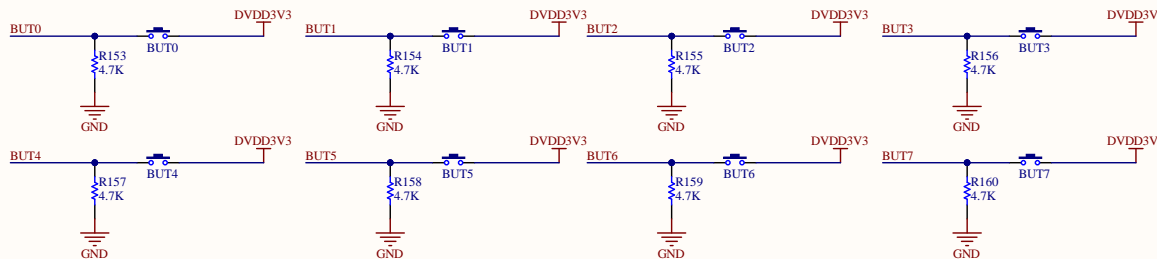
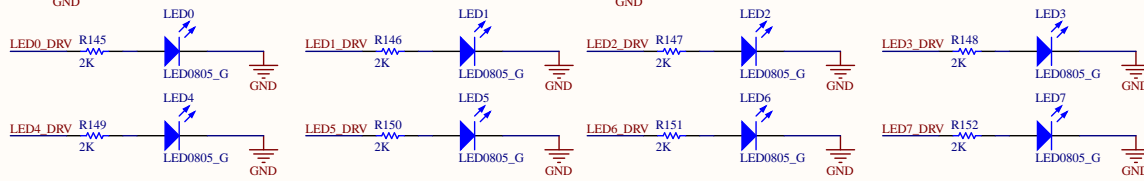
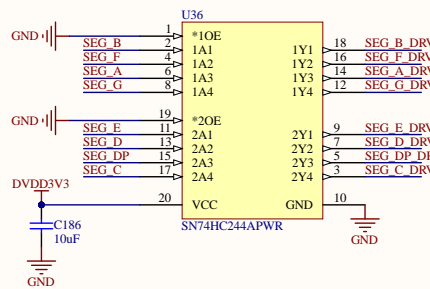
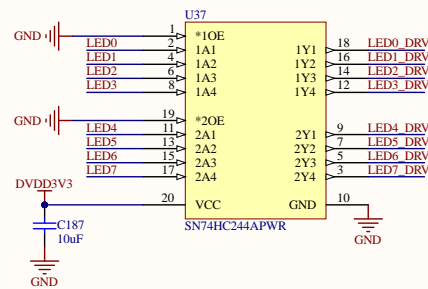
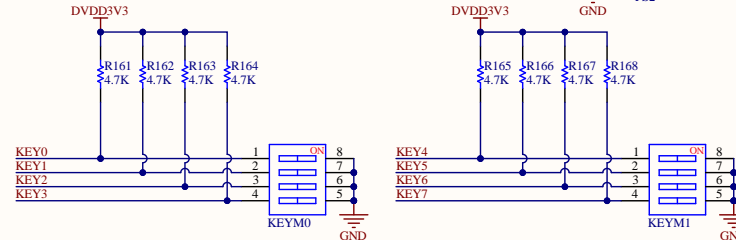
### ESD Protect for PS/2



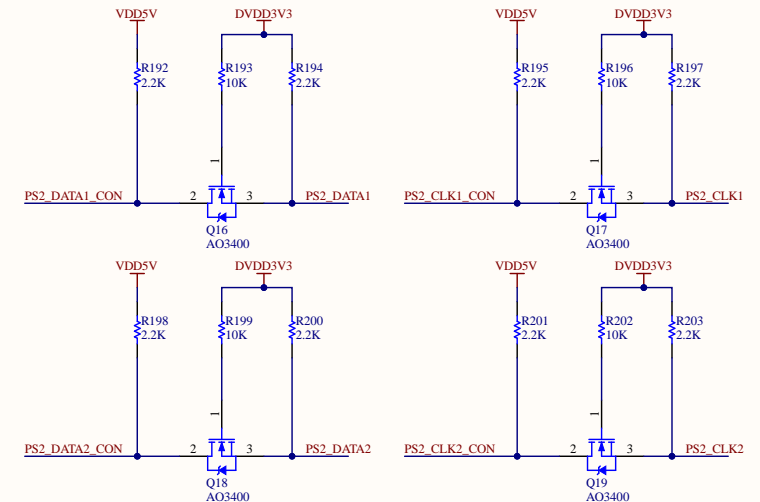
### SD Card SLOT



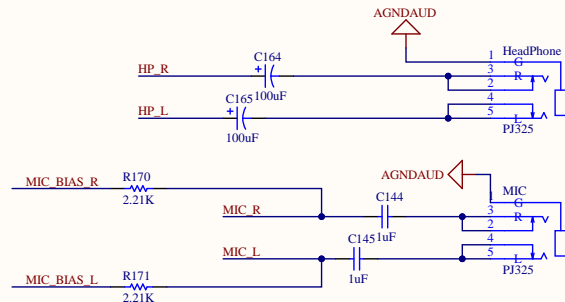
### USER Switch Key



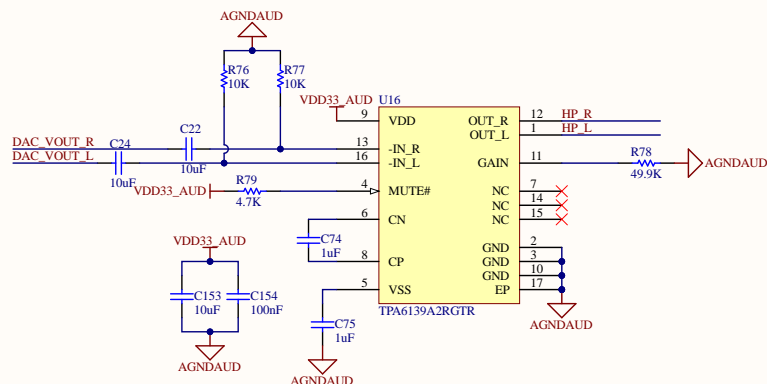
### USER LED and Button



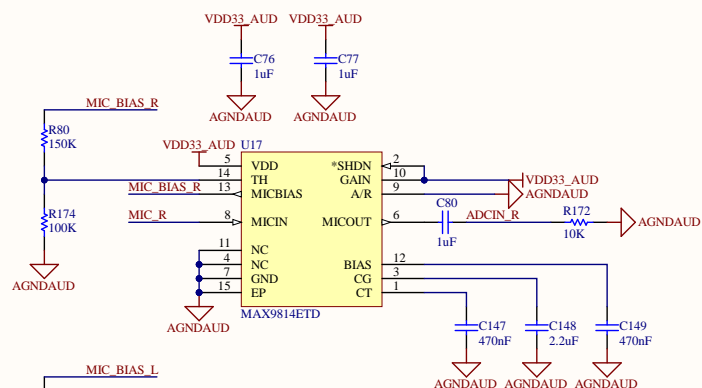
### PS/2 Level Shifter



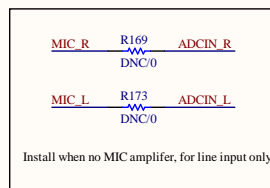
PJ-325 Audio Connector



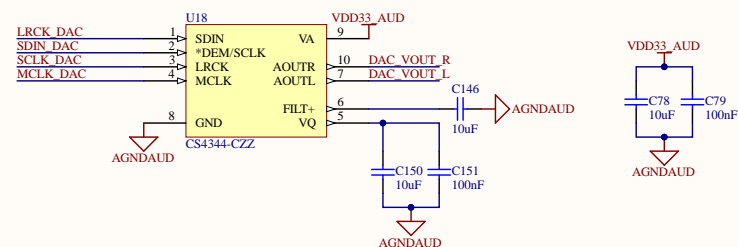
Headphone Amplifier



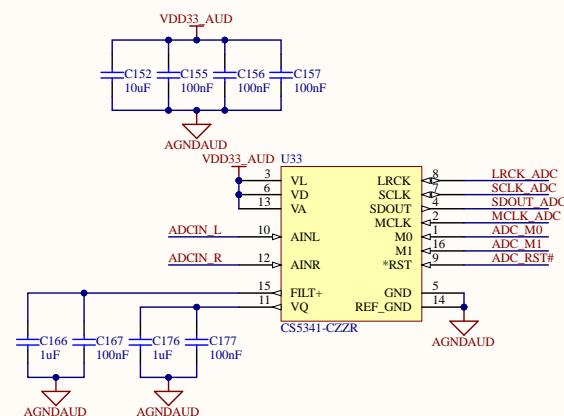
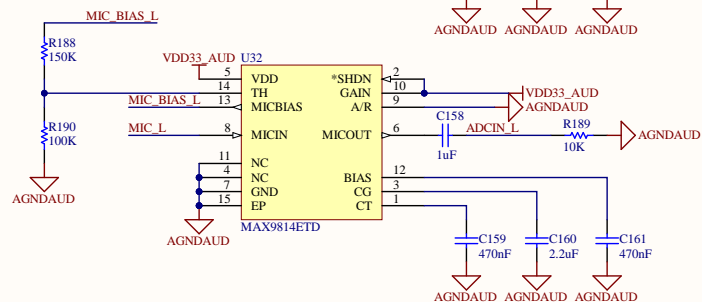
Microphone AGC Driver



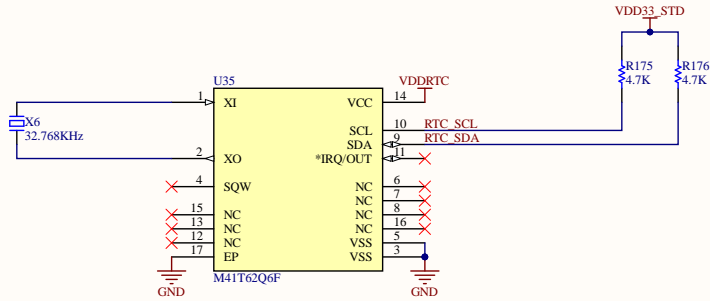
LDO For Audio Circuit



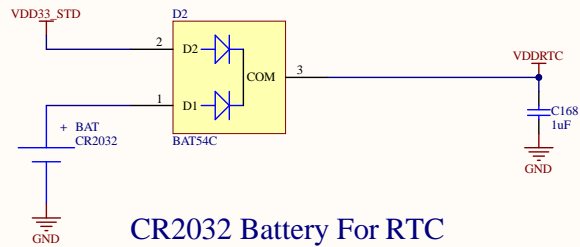
I2S Audio DAC



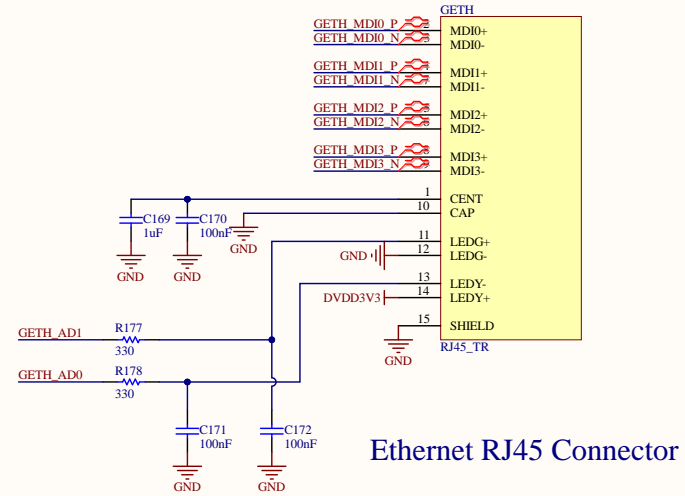
I2S Audio ADC



I2C Interface RTC



CR2032 Battery For RTC



Ethernet RJ45 Connector

A

B

C

D

A

B

C

D

