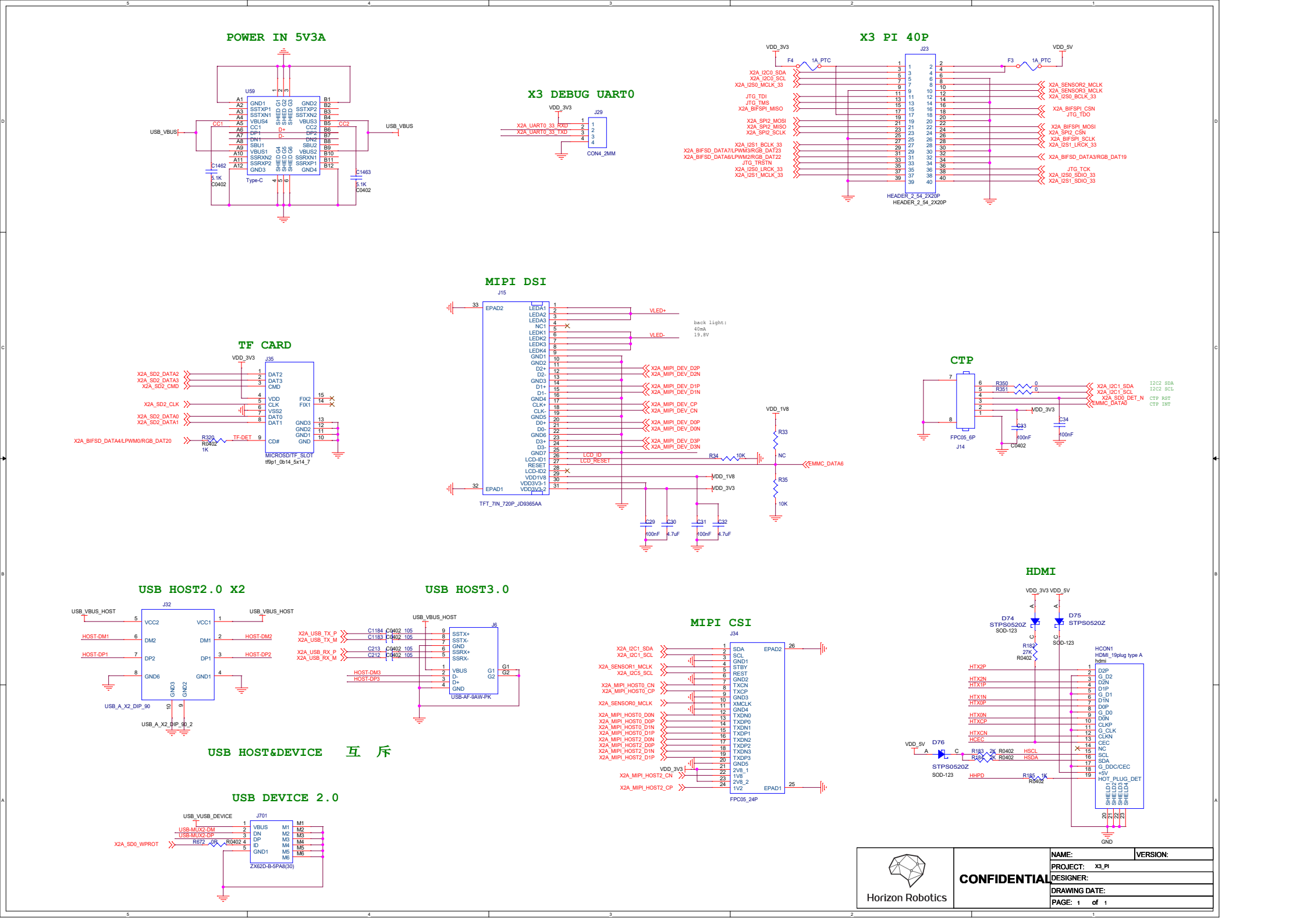
POWER IN 5V3A
U59
Type-C
USB_VBUS
CC1
CC2
C1462
5.1K
C0402
C1463
X3 DEBUG UART0
VDD_3V3
J29
CON4_2MM
X2A_UART0_33_RXD
X2A_UART0_33_TXD
X3 PI 40P
J23
VDD_3V3
VDD_5V
F4
1A_PTC
F3
HEADER_2_54_2X20P
X2A_I2C0_SDA
X2A_I2C0_SCL
X2A_I2S0_MCLK_33
JTG_TDI
JTG_TMS
X2A_BIFSPI_MISO
X2A_SPI2_MOSI
X2A_SPI2_MISO
X2A_SPI2_SCLK
X2A_I2S1_BCLK_33
X2A_BIFSD_DATA7/LPWM3/RGB_DAT23
X2A_BIFSD_DATA6/LPWM2/RGB_DAT22
JTG_TRSTN
X2A_I2S0_LRCK_33
X2A_I2S1_MCLK_33
X2A_SENSOR2_MCLK
X2A_SENSOR3_MCLK
X2A_I2S0_BCLK_33
X2A_BIFSPI_CSN
JTG_TDO
X2A_BIFSPI_MOSI
X2A_SPI2_CSN
X2A_BIFSPI_SCLK
X2A_I2S1_LRCK_33
X2A_BIFSD_DATA3/RGB_DAT19
JTG_TCK
X2A_I2S0_SDIO_33
X2A_I2S1_SDIO_33
MIPI DSI
J15
EPAD2
EPAD1
TFT_7IN_720P_JD9365AA
VLED+
VLED-
back light:
40mA
19.8V
X2A_MIPI_DEV_D2P
X2A_MIPI_DEV_D2N
X2A_MIPI_DEV_D1P
X2A_MIPI_DEV_D1N
X2A_MIPI_DEV_CP
X2A_MIPI_DEV_CN
X2A_MIPI_DEV_D0P
X2A_MIPI_DEV_D0N
X2A_MIPI_DEV_D3P
X2A_MIPI_DEV_D3N
LCD_ID
LCD_RESET
R34
10K
VDD_1V8
VDD_3V3
R33
R35
NC
EMMC_DATA6
C29
C30
C31
C32
100nF
4.7uF
TF CARD
J35
VDD_3V3
X2A_SD2_DATA2
X2A_SD2_DATA3
X2A_SD2_CMD
X2A_SD2_CLK
X2A_SD2_DATA0
X2A_SD2_DATA1
X2A_BIFSD_DATA4/LPWM0/RGB_DAT20
R320
R0402
1K
TF-DET
MICROSD/TF_SLOT
tf9p1_0b14_5x14_7
CTP
J14
FPC05_6P
R350
R351
0
X2A_I2C1_SDA
X2A_I2C1_SCL
X2A_SDO_DET_N
EMMC_DATA0
I2C2 SDA
I2C2 SCL
CTP RST
CTP INT
VDD_3V3
C43
C34
100nF
C0402
USB HOST2.0 X2
J32
USB_VBUS_HOST
HOST-DM1
HOST-DP1
HOST-DM2
HOST-DP2
USB_A_X2_DIP_90
USB_A_X2_DIP_90_2
USB HOST3.0
J6
USB-AF-9AW-PK
X2A_USB_TX_P
X2A_USB_TX_M
X2A_USB_RX_P
X2A_USB_RX_M
C1184
C1183
C213
C212
C0402
105
HOST-DM3
HOST-DP3
USB HOST&DEVICE 互 斥
USB DEVICE 2.0
J701
USB_VUSB_DEVICE
USB-MUX2-DM
USB-MUX2-DP
X2A_SD0_WPROT
R672
0R
R0402
ZX62D-B-5PA8(30)
MIPI CSI
J34
FPC05_24P
X2A_I2C1_SDA
X2A_I2C1_SCL
X2A_SENSOR1_MCLK
X2A_I2C5_SCL
X2A_MIPI_HOST0_CN
X2A_MIPI_HOST0_CP
X2A_SENSOR0_MCLK
X2A_MIPI_HOST0_D0N
X2A_MIPI_HOST0_D0P
X2A_MIPI_HOST0_D1N
X2A_MIPI_HOST0_D1P
X2A_MIPI_HOST2_D0N
X2A_MIPI_HOST2_D0P
X2A_MIPI_HOST2_D1N
X2A_MIPI_HOST2_D1P
X2A_MIPI_HOST2_CN
X2A_MIPI_HOST2_CP
VDD_3V3
HDMI
VDD_3V3
VDD_5V
D74
STPS0520Z
SOD-123
D75
STPS0520Z
SOD-123
R182
27K
R0402
HCON1
HDMI_19plug type A
hdmi
HTX2P
HTX2N
HTX1P
HTX1N
HTX0P
HTX0N
HTXCP
HTXCN
HCEC
HSCL
HSDA
HHPD
R183
2K
R0402
R184
2K
R0402
R185
1K
R0402
D76
STPS0520Z
SOD-123
VDD_5V
D2P
G_D2
D2N
D1P
G_D1
D1N
D0P
G_D0
D0N
CLKP
G_CLK
CLKN
CEC
NC
SCL
SDA
G_DDC/CEC
+5V
HOT_PLUG_DET
SHIELD1
SHIELD2
SHIELD3
SHIELD4
GND
Horizon Robotics
CONFIDENTIAL
NAME:
VERSION:
PROJECT: X3_PI
DESIGNER:
DRAWING DATE:
PAGE: 1 of 1