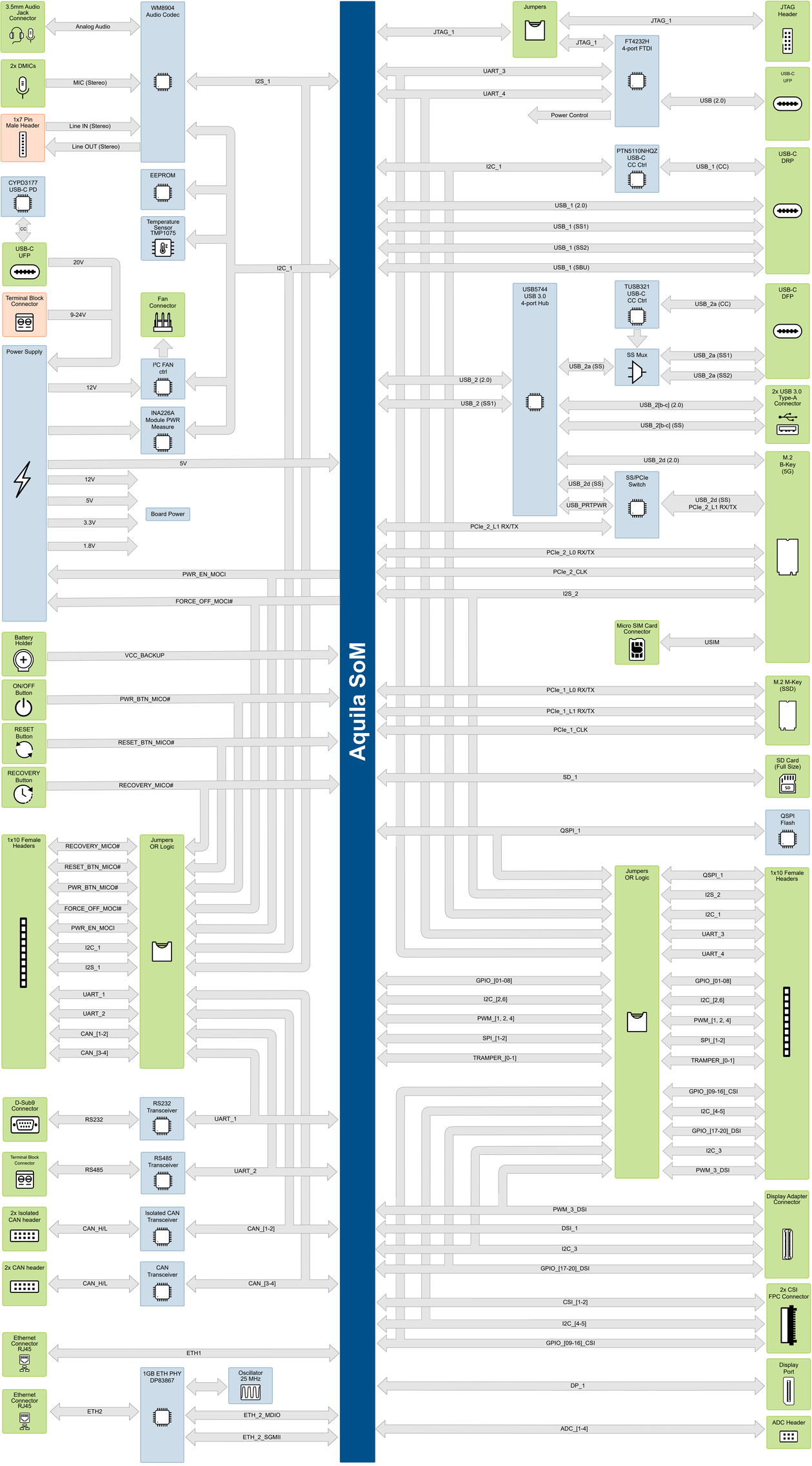
3.5mm Audio Jack Connector
Analog Audio
WM8904 Audio Codec
2x DMICs
MIC (Stereo)
I2S_1
1x7 Pin Male Header
Line IN (Stereo)
Line OUT (Stereo)
EEPROM
CYPD3177 USB-C PD
CC
Temperature Sensor TMP1075
USB-C UFP
20V
I2C_1
Terminal Block Connector
9-24V
Fan Connector
Power Supply
I²C FAN ctrl
12V
INA226A Module PWR Measure
5V
12V
5V
Board Power
3.3V
1.8V
PWR_EN_MOCI
FORCE_OFF_MOCI#
Battery Holder
VCC_BACKUP
ON/OFF Button
PWR_BTN_MICO#
RESET Button
RESET_BTN_MICO#
RECOVERY Button
RECOVERY_MICO#
1x10 Female Headers
RECOVERY_MICO#
RESET_BTN_MICO#
PWR_BTN_MICO#
FORCE_OFF_MOCI#
PWR_EN_MOCI
I2C_1
I2S_1
UART_1
UART_2
CAN_[1-2]
CAN_[3-4]
Jumpers OR Logic
D-Sub9 Connector
RS232
RS232 Transceiver
UART_1
Terminal Block Connector
RS485
RS485 Transceiver
UART_2
2x Isolated CAN header
CAN_H/L
Isolated CAN Transceiver
CAN_[1-2]
2x CAN header
CAN_H/L
CAN Transceiver
CAN_[3-4]
Ethernet Connector RJ45
ETH1
1GB ETH PHY DP83867
Oscillator 25 MHz
Ethernet Connector RJ45
ETH2
ETH_2_MDIO
ETH_2_SGMII
Aquila SoM
Jumpers
JTAG_1
JTAG_1
JTAG_1
JTAG Header
FT4232H 4-port FTDI
UART_3
UART_4
USB (2.0)
USB-C UFP
Power Control
PTN5110NHQZ USB-C CC Ctrl
I2C_1
USB_1 (CC)
USB-C DRP
USB_1 (2.0)
USB_1 (SS1)
USB_1 (SS2)
USB_1 (SBU)
USB5744 USB 3.0 4-port Hub
TUSB321 USB-C CC Ctrl
USB_2a (CC)
USB-C DFP
SS Mux
USB_2a (SS)
USB_2a (SS1)
USB_2a (SS2)
USB_2 (2.0)
USB_2 (SS1)
USB_2[b-c] (2.0)
USB_2[b-c] (SS)
2x USB 3.0 Type-A Connector
USB_2d (2.0)
M.2 B-Key (5G)
SS/PCIe Switch
USB_2d (SS)
USB_PRTPWR
USB_2d (SS) PCIe_2_L1 RX/TX
PCIe_2_L1 RX/TX
PCIe_2_L0 RX/TX
PCIe_2_CLK
I2S_2
Micro SIM Card Connector
USIM
M.2 M-Key (SSD)
PCIe_1_L0 RX/TX
PCIe_1_L1 RX/TX
PCIe_1_CLK
SD Card (Full Size)
SD_1
QSPI Flash
QSPI_1
Jumpers OR Logic
1x10 Female Headers
QSPI_1
I2S_2
I2C_1
UART_3
UART_4
GPIO_[01-08]
I2C_[2,6]
PWM_[1, 2, 4]
SPI_[1-2]
TRAMPER_[0-1]
GPIO_[09-16]_CSI
I2C_[4-5]
GPIO_[17-20]_DSI
I2C_3
PWM_3_DSI
Display Adapter Connector
PWM_3_DSI
DSI_1
I2C_3
GPIO_[17-20]_DSI
2x CSI FPC Connector
CSI_[1-2]
I2C_[4-5]
GPIO_[09-16]_CSI
Display Port
DP_1
ADC Header
ADC_[1-4]
Not assembled
Connectors, Buttons and Switches
Functional Blocks
General-Purpose Switches, Buttons and LEDs
Switches and Buttons
Jumpers OR Logic
LEDs
General-Purpose Level Shifters
1.8V 1x10 Female Headers
Level Shifter
3.3V 1x10 Female Headers