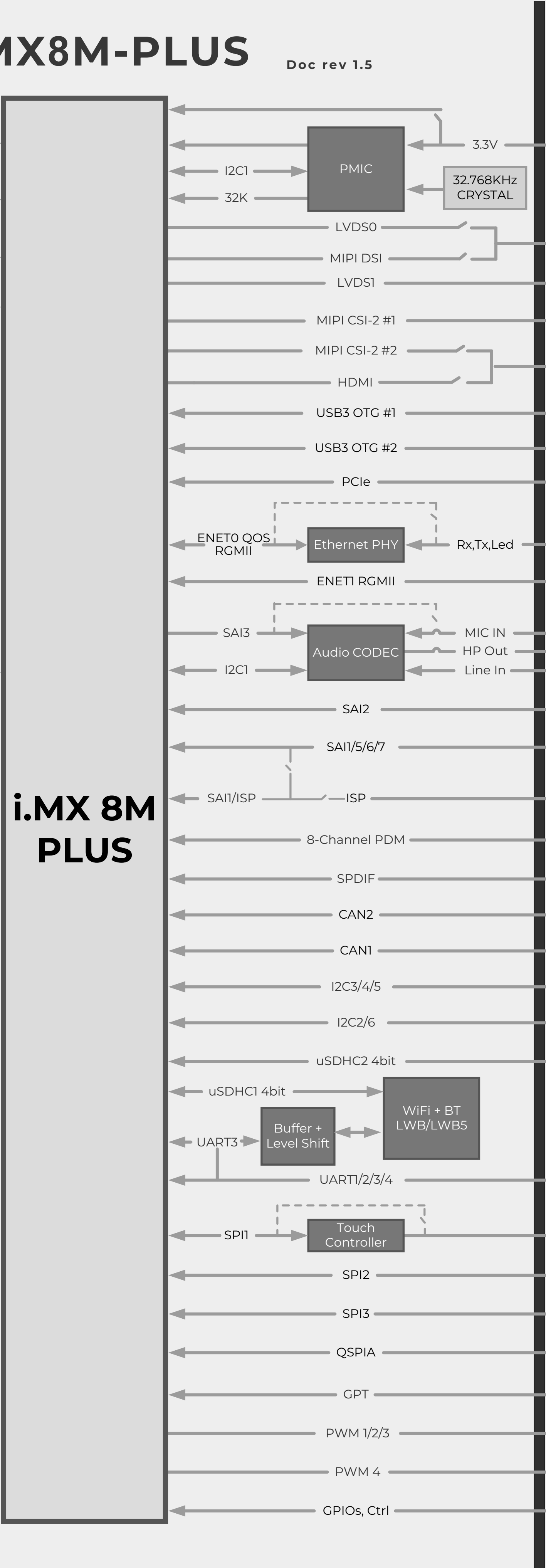


VAR-SOM-MX8M-PLUS

Doc rev 1.5



SO-DIMM
200 Pin

LPDDR4
Up to 8 Gbyte

DRAM

eMMC

uSDHC3
8bit

4Kb I2C EEPROM
(Internal Use Only)

I2C1

JTAG HEADER

JTAG

24MHz Crystal

i.MX 8M
PLUS

PMIC

3.3V
32.768KHz
CRYSTAL

LVDS0

MIPI DSI

LVDS1

MIPI CSI-2 #1

MIPI CSI-2 #2

HDMI

USB3 OTG #1

USB3 OTG #2

PCIe

ENET0 QOS
RGMII

Ethernet PHY

Rx,Tx,Led

ENET1 RGMII

SAI3

Audio CODEC

MIC IN

HP Out

Line In

I2C1

SAI2

SAI1/5/6/7

SAI1/ISP

ISP

8-Channel PDM

SPDIF

CAN2

CAN1

I2C3/4/5

I2C2/6

uSDHC2 4bit

uSDHC1 4bit

WiFi + BT
LWB/LWB5

Buffer +
Level Shift

UART3

UART1/2/3/4

SPI1

Touch
Controller

SPI2

SPI3

QSPIA

GPT

PWM 1/2/3

PWM 4

GPIOs, Ctrl

POWER IN

LVDS0/DSI

LVDS1

Serial Camera #1

Serial Camera #2/
HDMI

USB3 OTG #1

USB3 OTG #2

PCIe

Ethernet

RGMII

Audio /
SAI3

Digital Audio

Up to
4x Dig. Audio

ISP

Up to
1x PDM

Up to
1x SPDIF

CAN BUS

Up to
1x CAN BUS

3x I2C

Up to
2x I2C

uSDHC 4bit

4x UART

Resistive Touch

1x SPI

Up to
1x SPI

Up to
1x QSPI

Up to
1x GPT

3x PWM

Up to
1xPWM

GPIOs, Ctrl

Pin2pin with additional VAR-SOM products.
Please check pin-list document for details

Not Compatible