

PERIPHERALS	INTERFACE	PIN	FUNCTION	DESCRIPTION
BLUETOOTH	I2C_1	189 191	I2C1_SCL I2C1_SDA	Serial clock Serial data
M.2 KEY B	USB3.0 of the HUB			Connected to the HUB
SIM SLOT				Comes from the M.2 KEY B, to get enable te connectivity through a 4G module.
SD SLOT		229 219 221 223 225 227	SD_CLK SD_DAT0 SD_DAT1 SD_DAT2 SD_DAT3 SD_CMD	SDIO Clock SDIO Data 0 SDIO Data 1 SDIO Data 2 SDIO Data 3 SDIO Command
USB 3.0 HUB	USB3.0	115 117 166 168 161 163	USB1_D_N USB1_D_P USBSS_TX_N USBSS_TX_P USBSS_RX_N USBSS_RX_P	USB 2.0 Port 1 Data- USB 2.0 Port 1 Data+ USB SS Transmit- USB SS Transmit+ USB SS Receive- USB SS Receive+
CAN-FD	SPI_0	91 93 89 95	SPI0_SCK SPI0_MISO SPI0_MOSI SPI0_CS0	SPI 0 Clock SPI 0 Master In / Slave Out SPI 0 Master Out / Slave In SPI 0 Chip Select 0
GPS	UART_1	203 205	UART1_TX UART1_RX	UART #1 Transmit UART #1 Receive
GYRO&ACC	SPI_1	106 108 104 110	SPI1_SCK SPI1_MISO SPI1_MOSI SPI1_CS0	SPI 1 Clock SPI 1 Master In / Slave Out SPI 1 Master Out / Slave In SPI 1 Chip Select 0
AUDIO CODEC	USB2.0	121 123	USB2_D_N USB2_D_P	USB 2.0 Port 2 Data- USB 2.0 Port 2 Data+
CAMERA #1	CSI_0	4 6 16 18 10 12 114 116	CSI_A_D0_N CSI_A_D0_P CSI_A_D1_N CSI_A_D1_P CSI_A_CLK_N CSI_A_CLK_P FFC1_PWDN FFC1_MCLK CAM0_SCL CAM0_SDA	chanel A lane 0 - chanel CSI_0 lane 0 + chanel CSI_0 lane 1 - chanel CSI_0 lane 1 + chanel CSI_0 clock - chanel CSI_0 clock + camera #1 powerdown or GPIO camera #1 reference clock connected to the I2C multiplexer connected to the I2C multiplexer
CAMERA #2	CSI_2	22 24 34 36 28 30	CSI_E_D0_N CSI_E_D0_P CSI_E_D1_N CSI_E_D1_P CSI_E_CLK_N CSI_E_CLK_P CAM1_SCL CAM1_SDA	chanel CSI_2 lane 0 - chanel CSI_2 lane 0 + chanel CSI_2 lane 1 - chanel CSI_2 lane 1 + chanel CSI_2 clock - chanel CSI_2 clock + connected to the I2C multiplexer connected to the I2C multiplexer
CAMERA #3	CSI_3	21 23 33 35 27 29 120 122	CSI_F_D0_N CSI_F_D0_P CSI_F_D1_N CSI_F_D1_P CSI_F_CLK_N CSI_F_CLK_P FFC3_PWDN FFC3_MCLK CAM2_SCL CAM2_SDA	chanel CSI_3 lane 0 - chanel CSI_3 lane 0 + chanel CSI_3 lane 1 - chanel CSI_3 lane 1 + chanel CSI_3 clock - chanel CSI_3 clock + camera #3 powerdown or GPIO camera #3 reference clock connected to the I2C multiplexer connected to the I2C multiplexer
CAMERA #4	CSI_4	46 48 58 60 52 54	CSI_C_D0_N CSI_C_D0_P CSI_C_D1_N CSI_C_D1_P CSI_C_CLK_N CSI_C_CLK_P CAM3_SCL CAM3_SDA	chanel CSI_4 lane 0 - chanel CSI_4 lane 0 + chanel CSI_4 lane 1 - chanel CSI_4 lane 1 + chanel CSI_4 clock - chanel CSI_4 clock + connected to the I2C multiplexer connected to the I2C multiplexer