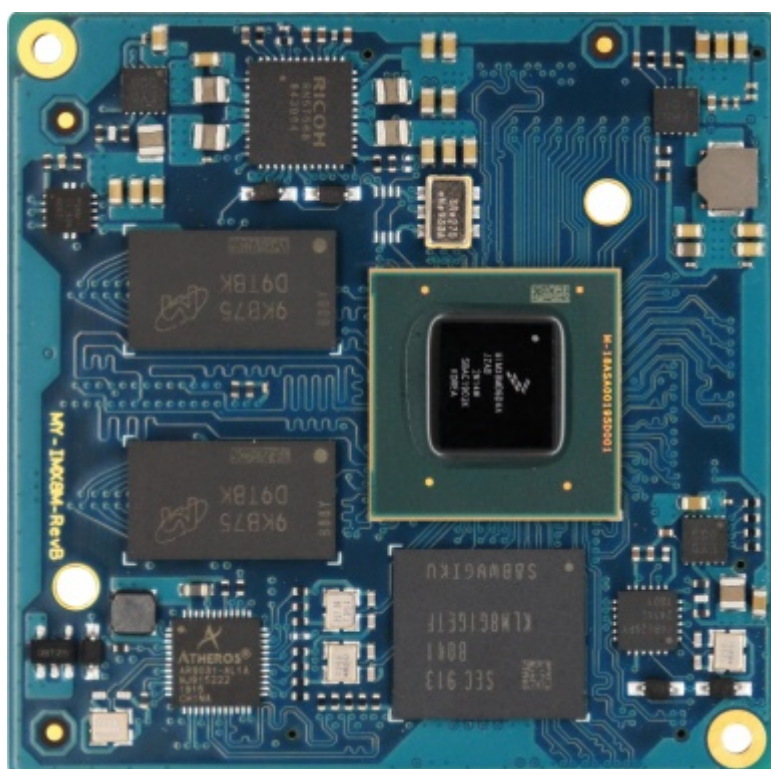


MYZR-IMX8M-CB300 Hardware Introduction

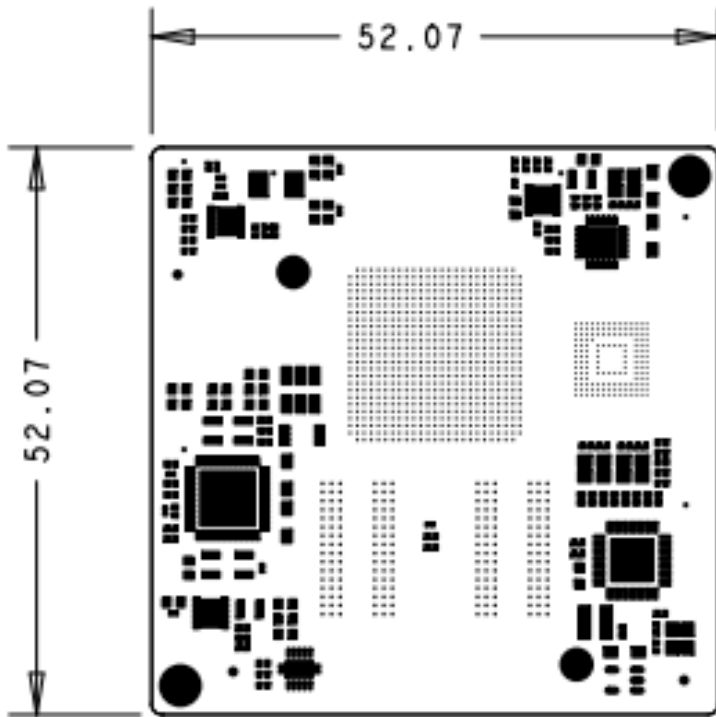
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MYZR-IMX8M-CB300 view

positive



size



MYZR-IMX8M-CB300 parameter

Hardware Configuration

CPU	i.MX8MQ/D	Quad / Dual Core
Memory	DDR4 2GB	Expandable to 4GB
Storage	eMMC 4GB	Expandable to 16GB

temperature range

Operating temperature

- 0°C~70°C (Business grade)
- -40°C~85°C (Industrial grade)

storage temperature

- -60°C~125°C

Operating system support

- Android
- Linux

Hardware interface

Interface Specifications		Maximum Configurable Interfaces	Description
Communication interface	Ethernet	1	1 way 10/100 / 1000Mbps Ethernet IEEE802.3-2002
	USB	2	2 SuperSpeed USB3.0 (up to 5Gbps), compatible USB2.0
	UART	4	4 UARTs, each up to 4.0Mbps
	PCIe	2	2 way PCIe Gen 2.0 (5.0 GTps)
	I2C	3	3 way I2C, stand by 400kbps
	SPI	2	2 way eCSPI (Enhanced CSPI) , Up to 52Mbps each
	PWM	4	4 way 16-bit up counter with clock source selection, 4X16 FIFO
External memory interface	NAND	1	8-bit NAND flash, stand by ECC and BCH for error detection
	QSPI	2	Two quad external serial flash device interfaces, stand by XIP mode
	SD3.0/SDIO	1	4-bit SD and SDIO card transmission, up to UHS-I SDR-208 mode (Up to 208MB / s)
multimedia	HDMI	1	1 way HDMI 2.0a, stand by 4096x2160@60Hz, stand by HDCP 2.2和HDCP 1.4, 20+ audio interleaved 32-bit @384khz fs, stand by S/PDIF Input and output
	DSI (MIPI 接口)	1	1 4-channel MIPI display interface, stand by high-speed mode (1.5Gbps per channel),stand by 1920x1080@60Hz, 4K@30Hz, stand by LCDIF monitor
	CSI(MIPI interface)	2	2 way 4-channel MIPI camera interface, stand by high-speed mode (1.5Gbps per channel) , stand by 4K@30fps
	SAI	5	5 channels I2S / SAI / AC97 / TDM, 1 channel with 16 Tx and Rx, 1 channel with 8 Tx and Rx, 3 channels with 2 Tx and Rx
	S/PDIF	1	1 S / PDIF stereo transceiver, stand by input and output

Power supply

3.3V、5V input

Pin definition & detailed function description

Pin NO.	Pin Name	CPU Ball Name	Function description	Pin voltage
J1.1	VDD_PHY_1V8	---	POWER_OUT	1.8V
J1.3	GND	---	GND	---
J1.5	DCDC_5V	---	POWER_IN	5V
J1.7	PMU_GPIO1	U19.44(PMIC)	POWER_nRST	3.3V
J1.9	POR_B	W20	SRC_POR_B	3.3V
J1.11	NVCC_SD2	---	POWER_IN	3.3V
J1.13	GND	---	GND	---
J1.15	REF_CLK_32K	T6	CCM_ENET_PHY_REF_CLK_ROOT	3.3V
			CCM_EXT_CLK1	
			GPIO1_IO00	
			SJC_FAIL	
			REF_CLK_32K	
J1.17	GND	---	GND	---
J1.19	HDMI_HPD	W2	HDMI_HPD	1.8V
J1.21	HDMI_CEC	W3	HDMI_CEC	1.8V
J1.23	HDMI_DDC_SCL	R3	HDMI_DDC_SCL	1.8V
J1.25	HDMI_DDC_SDA	P3	HDMI_DDC_SDA	1.8V
J1.27	GND	---	GND	---
J1.29	HDMI_AUXP	V1	HDMI_AUX_P	1.8V
J1.31	HDMI_AUXN	V2	HDMI_AUX_N	1.8V
J1.33	HDMI_TXP2	N2	HDMI_TX_P_LN_2	1.8V
J1.35	HDMI_TXN2	N1	HDMI_TX_N_LN_2	1.8V
J1.37	HDMI_CLKN	M2	HDMI_TX_N_LN_3	1.8V
J1.39	HDMI_CLKP	M1	HDMI_TX_P_LN_3	1.8V
J1.41	HDMI_TXN1	U1	HDMI_TX_N_LN_1	1.8V
J1.43	HDMI_TXP1	U2	HDMI_TX_P_LN_1	1.8V
J1.45	HDMI_TXP0	I1	HDMI_TX_P_LN_0	1.8V
J1.47	HDMI_TXN0	T2	HDMI_TX_N_LN_0	1.8V
J1.49	GND	---	GND	---
J1.51	NVCC_SNVS_3V3	---	POWER_IN	3.3V
J1.53	NVCC_3V3	---	POWER_IN	3.3V
J1.55	GND	---	GND	---
J1.57	BOOT_MODE0	W6	SRC_BOOT_MODE0	3.3V
J1.59	BOOT_MODE1	V6	SRC_BOOT_MODE1	3.3V
J1.61	GND	---	GND	---

J1.63	JTAG_TDI	W5	JTAG_TDI	3.3V
J1.65	JTAG_TMS	V5	JTAG_TMS	3.3V
J1.67	JTAG_TDO	U5	JTAG_TDO	3.3V
J1.69	JTAG_NTRST	U6	JTAG_NTRST	3.3V
J1.71	JTAG_TCK	T5	JTAG_TCK	3.3V
J1.73	GND	---	GND	---
J1.75	CSI_P1_PWDN	P4	GPIO1_IO03	3.3V
			SDMA1_EXT_EVENT0	
			SJC_DONE	
			USDHC1_VSELECT	
J1.77	CSI_NRST	N5	CCM_EXT_CLK3	3.3V
			ENET1_MDC	
			GPIO1_IO06	
			USDHC1_CD_B	
J1.79	GND	---	GND	---
J1.81	AUD_NMUTE	N7	ENET1_1588_EVENT0_IN	3.3V
			GPIO1_IO08	
			USDHC2_RESET_B	
J1.83	GND	---	GND	---
J1.85				
J1.87	SAI2_MCLK	H5	GPIO4_IO27	3.3V
			SAI2_MCLK	
			SAI5_MCLK	
J1.89	SAI2_TXFS	H4	GPIO4_IO24	3.3V
			SAI2_TX_SYNC	
			SAI5_TX_DATA1	
J1.91	SAI2_RXFS	J4	GPIO4_IO21	3.3V
			SAI2_RX_SYNC	
			SAI5_TX_SYNC	
J1.93	SAI2_TXC	J5	GPIO4_IO25	3.3V
			SAI2_TX_BCLK	
			SAI5_TX_DATA2	
J1.95	SAI2_RXC	H3	GPIO4_IO22	3.3V
			SAI2_RX_BCLK	
			SAI5_TX_BCLK	
J1.97	SAI2_TXD	G5	GPIO4_IO26	3.3V
			SAI2_TX_DATA0	

			SAI5_TX_DATA3	
J1.99	SAI2_RXD	H6	GPIO4_IO23	3.3V
			SAI2_RX_DATA0	
			SAI5_TX_DATA0	
J1.2	GND	---	GND	---
J1.4				
J1.6	DCDC_5V	---	POWER_IN	5V
J1.8	GND	---	GND	---
J1.10	VDD_3V3	---	POWER_IN	3.3V
J1.12	GND	---	GND	---
J1.14				
J1.16	DSI_TS_nRST	L7	GPIO1_IO12	3.3V
			SDMA2_EXT_EVENT1	
			USB1_OTG_PWR	
J1.18	GND	---	GND	---
J1.20	GPIO1_IO02	R4	GPIO1_IO02	3.3V
			SJC_DE_B	
			WDOG1_WDOG_B	
			WDOG1_WDOG_ANY	
J1.22	SAI5_RXFS	N4	GPIO3_IO19	3.3V
			SAI1_TX_DATA0	
			SAI5_RX_SYNC	
J1.24	SAI5_RXD3	K5	GPIO3_IO24	3.3V
			SAI1_TX_DATA5	
			SAI1_TX_SYNC	
			SAI5_RX_DATA3	
			SAI5_TX_DATA0	
J1.26	SAI5_RXD0	M5	GPIO3_IO21	3.3V
			SAI1_TX_DATA2	
			SAI5_RX_DATA0	
J1.28	SAI5_RXC	L5	GPIO3_IO20	3.3V
			SAI1_TX_DATA1	
			SAI5_RX_BCLK	
J1.30	SAI5_RXD2	M4	GPIO3_IO23	3.3V
			SAI1_TX_DATA4	
			SAI1_TX_SYNC	
			SAI5_RX_DATA2	

			SAI5_TX_BCLK	
J1.32	SAI5_RXD1	L4	GPIO3_IO22	3.3V
			SAI1_TX_DATA3	
			SAI1_TX_SYNC	
			SAI5_RX_DATA1	
			SAI5_TX_SYNC	
J1.34	SAI5_MCLK	K4	GPIO3_IO25	3.3V
			SAI1_TX_BCLK	
			SAI4_MCLK	
			SAI5_MCLK	
J1.36	GND	---	GND	---
J1.38	SAI1_RXD1	L2	ARM_PLATFORM_TRACE01	3.3V
			GPIO4_IO03	
			SAI1_RX_DATA1	
			SAI5_RX_DATA1	
			SRC_BOOT_CFG01	
J1.40	SAI1_RXFS	L1	ARM_PLATFORM_TRACE_CLK	3.3V
			GPIO4_IO00	
			SAI1_RX_SYNC	
			SAI5_RX_SYNC	
J1.42	SAI1_RXD0	K2	ARM_PLATFORM_TRACE00	3.3V
			GPIO4_IO02	
			SAI1_RX_DATA0	
			SAI5_RX_DATA0	
			SRC_BOOT_CFG00	
J1.44	SAI1_RXC	K1	ARM_PLATFORM_TRACE_CTL	3.3V
			GPIO4_IO01	
			SAI1_RX_BCLK	
			SAI5_RX_BCLK	
J1.46	SAI1_RXD3	J2	ARM_PLATFORM_TRACE03	3.3V
			GPIO4_IO05	
			SAI1_RX_DATA3	
			SAI5_RX_DATA3	
			SRC_BOOT_CFG03	
J1.48	SAI1_RXD4	J1	ARM_PLATFORM_TRACE04	3.3V
			GPIO4_IO06	
			SAI1_RX_DATA4	

			SAI6_TX_BCLK	
			SAI6_RX_BCLK	
			SRC_BOOT_CFG04	
J1.50	SAI1_RXD2	H2	ARM_PLATFORM_TRACE02	3.3V
			GPIO4_IO04	
			SAI1_RX_DATA2	
			SAI5_RX_DATA2	
			SRC_BOOT_CFG02	
J1.52	SAI1_TXFS	H1	ARM_PLATFORM_EVENTO	3.3V
			GPIO4_IO10	
			SAI1_TX_SYNC	
			SAI5_TX_SYNC	
J1.54	SAI1_RXD6	G2	ARM_PLATFORM_TRACE06	3.3V
			GPIO4_IO08	
			SAI1_RX_DATA6	
			SAI6_TX_SYNC	
			SAI6_RX_SYNC	
			SRC_BOOT_CFG06	
J1.56	SAI1_RXD7	G1	ARM_PLATFORM_TRACE07	3.3V
			GPIO4_IO09	
			SAI1_RX_DATA7	
			SAI1_TX_SYNC	
			SAI1_TX_DATA4	
			SAI6_MCLK	
			SRC_BOOT_CFG07	
J1.58	SAI1_TXD0	F2	ARM_PLATFORM_TRACE08	3.3V
			GPIO4_IO12	
			SAI1_TX_DATA0	
			SAI5_TX_DATA0	
			SRC_BOOT_CFG08	
J1.60	SAI1_RXD5	F1	ARM_PLATFORM_TRACE05	3.3V
			GPIO4_IO07	
			SAI1_RX_DATA5	
			SAI1_RX_SYNC	
			SAI6_TX_DATA0	
			SAI6_RX_DATA0	
			SRC_BOOT_CFG05	

J1.62	SAI1_TXD1	E2	ARM_PLATFORM_TRACE09	3.3V
			GPIO4_IO13	
			SAI1_TX_DATA1	
			SAI5_TX_DATA1	
			SRC_BOOT_CFG09	
J1.64	SAI1_TXC	E1	ARM_PLATFORM_EVENTI	3.3V
			GPIO4_IO11	
			SAI1_TX_BCLK	
			SAI5_TX_BCLK	
J1.66	SAI1_TXD4	D2	ARM_PLATFORM_TRACE12	3.3V
			GPIO4_IO16	
			SAI1_TX_DATA4	
			SAI6_RX_BCLK	
			SAI6_TX_BCLK	
J1.68	SAI1_TXD3	D1	ARM_PLATFORM_TRACE11	3.3V
			GPIO4_IO15	
			SAI1_TX_DATA3	
			SAI5_TX_DATA3	
			SRC_BOOT_CFG11	
J1.70	SAI1_TXD5	C2	ARM_PLATFORM_TRACE13	3.3V
			GPIO4_IO17	
			SAI1_TX_DATA5	
			SAI6_RX_DATA0	
			SAI6_TX_DATA0	
J1.72	SAI1_TXD7	C1	ARM_PLATFORM_TRACE15	3.3V
			GPIO4_IO19	
			SAI1_TX_DATA7	
			SAI6_MCLK	
			SRC_BOOT_CFG15	
J1.74	SAI1_TXD2	B2	ARM_PLATFORM_TRACE10	3.3V
			GPIO4_IO14	
			SAI1_TX_DATA2	
			SAI5_TX_DATA2	
J1.76	SAI1_TXD6	B3	ARM_PLATFORM_TRACE14	3.3V

			GPIO4_IO18	
			SAI1_TX_DATA6	
			SAI6_RX_SYNC	
			SAI6_TX_SYNC	
			SRC_BOOT_CFG14	
J1.78	SAI1_MCLK	A3	GPIO4_IO20	3.3V
			SAI1_MCLK	
			SAI5_MCLK	
J1.80	VSYS	---	POWER_IN	3.3V
J1.82				
J1.84				
J1.86				
J1.88				
J1.90				
J1.92				
J1.94	PCIE_NCLKREQ	U3.22	CKPWRGD_PD#	---
J1.96	GND	---	GND	---
J1.98	I2C1_SCL	E7	ENET1_MDC	3.3V
			GPIO5_IO14	
			I2C1_SCL	
J1.100	I2C1_SDA	E8	ENET1_MDIO	3.3V
			GPIO5_IO15	
			I2C1_SDA	
J2.1	PCIE2_REF_CLKP_CN	U3.17	DIF1	---
J2.3	PCIE2_REF_CLKN_CN	U3.18	DIF1#	---
J2.5	GND	---	GND	---
J2.7	PCIE2_RXN	D24	PCIE2_RXN_N	3.3V
J2.9	PCIE2_RXP	D25	PCIE2_RXN_P	3.3V
J2.11	PCIE2_TXN	E24	PCIE2_TXN_N	3.3V
J2.13	PCIE2_TXP	E25	PCIE2_TXN_P	3.3V
J2.15	PCIE1_RXN	H24	PCIE1_RXN_N	3.3V
J2.17	PCIE1_RXP	H25	PCIE1_RXN_P	3.3V
J2.19	GND	---	GND	---
J2.21	PCIE1_TXN	J24	PCIE1_TXN_N	3.3V
J2.23	PCIE1_TXP	J25	PCIE1_TXN_P	3.3V
J2.25	GND	---	GND	---
J2.27	PCIE1_REF_CLKN	K24	PCIE1_REF_PAD_CLK_N	3.3V

J2.29	PCIE1_REF_CLKP	K25	PCIE1_REF_PAD_CLK_P	3.3V
J2.31	GND	---	GND	---
J2.33				
J2.35				
J2.37	I2C4_SCL	F8	GPIO5_IO20 I2C4_SCL PWM2_OUT	3.3V
J2.39	GND	---	GND	---
J2.41	CLKO2	J6	CCM_CLKO2 GPIO1_IO15 PWM4_OUT USB2_OTG_OC	3.3V
J2.43	GND	---	GND	---
J2.45	NAND_NCE0	H19	GPIO3_IO01 NAND_CE0_B QSPI_A_SS0_B	3.3V
J2.47	NAND_ALE	G19	GPIO3_IO00 NAND_ALE QSPI_A_SCLK	3.3V
J2.49	NAND_NCE2	F21	GPIO3_IO03 NAND_CE2_B QSPI_B_SS0_B	3.3V
J2.51	NAND_DATA0	G20	GPIO3_IO06 NAND_DATA00 QSPI_A_DATA0	3.3V
J2.53	NAND_NCE3	H20	GPIO3_IO04 NAND_CE3_B QSPI_B_SS1_B	3.3V
J2.55	NAND_DATA2	H22	GPIO3_IO08 NAND_DATA02 QSPI_A_DATA2	3.3V
J2.57	NAND_DATA3	J21	GPIO3_IO09 NAND_DATA03 QSPI_A_DATA3	3.3V
J2.59	NAND_DATA5	J22	GPIO3_IO11 NAND_DATA05 QSPI_B_DATA1	3.3V

J2.61	GND	---	GND	---
J2.63				
J2.65				
J2.67				
J2.69	LED_LINK1000	U27.24(AR8031)	LED_LINK1000	2.5V
J2.71	GPIO1_IO04	P5	GPIO1_IO04	3.3V
			SDMA1_EXT_EVENT1	
			USDHC2_VSELECT	
J2.73	ONOFF	W21	XTALOSC_ONOFF	3.3V
J2.75	ETH_TRX0_P	U27.11(AR8031)	TRXP0	---
J2.77	ETH_TRX0_N	U27.12(AR8031)	TRXN0	---
J2.79	GND	---	GND	---
J2.81	ETH_TRX1_P	U27.14(AR8031)	TRXP1	---
J2.83	ETH_TRX1_N	U27.15(AR8031)	TRXN1	---
J2.85	GND	---	GND	---
J2.87	ETH_TRX2_P	U27.17(AR8031)	TRXP2	---
J2.89	ETH_TRX2_N	U27.18(AR8031)	TRXN2	---
J2.91	GND	---	GND	---
J2.93	ETH_TRX3_P	U27.20(AR8031)	TRXP3	---
J2.95	ETH_TRX3_N	U27.21(AR8031)	TRXN3	---
J2.97	LED_LINK10_100	U27.26(AR8031)	LED_LINK10_100	2.5V
J2.99	LED_ACT	U27.23(AR8031)	LED_ACT	2.5V
J2.2	CSI_P2_CKN	A19	MIPI_CSI2_CLK_N	1.8V
J2.4	CSI_P2_CKP	B19	MIPI_CSI2_CLK_P	1.8V
J2.6	GND	---	GND	---
J2.8	CSI_P2_DN1	A20	MIPI_CSI2_D1_N	1.8V
J2.10	CSI_P2_DP1	B20	MIPI_CSI2_D1_P	1.8V
J2.12	GND	---	GND	---
J2.14	CSI_P2_DN2	A21	MIPI_CSI2_D2_N	1.8V
J2.16	CSI_P2_DP2	B21	MIPI_CSI2_D2_P	1.8V
J2.18	GND	---	GND	---
J2.20	CSI_P2_DN3	C19	MIPI_CSI2_D3_N	1.8V
J2.22	CSI_P2_DP3	D19	MIPI_CSI2_D3_P	1.8V
J2.24	GND	---	GND	---
J2.26	CSI_P2_DN0	C20	MIPI_CSI2_D0_N	1.8V
J2.28	CSI_P2_DP0	D20	MIPI_CSI2_D0_P	1.8V
J2.30	GND	---	GND	---

J2.32	CSI_P1_DN3	C21	MIPI_CSI1_D3_N	1.8V
J2.34	CSI_P1_DP3	D21	MIPI_CSI1_D3_P	1.8V
J2.36	GND	---	GND	---
J2.38	CSI_P1_CKN	A22	MIPI_CSI1_CLK_N	1.8V
J2.40	CSI_P1_CKP	B22	MIPI_CSI1_CLK_P	1.8V
J2.42	GND	---	GND	---
J2.44	CSI_P1_DN0	A23	MIPI_CSI1_D0_N	1.8V
J2.46	CSI_P1_DP0	B23	MIPI_CSI1_D0_P	1.8V
J2.48	GND	---	GND	---
J2.50	CSI_P1_DN2	B24	MIPI_CSI1_D2_N	1.8V
J2.52	CSI_P1_DP2	C23	MIPI_CSI1_D2_P	1.8V
J2.54	GND	---	GND	---
J2.56	CSI_P1_DN1	C22	MIPI_CSI1_D1_N	1.8V
J2.58	CSI_P1_DP1	D22	MIPI_CSI1_D1_P	1.8V
J2.60	GND	---	GND	---
J2.62	NAND_NWP	K21	GPIO3_IO18	3.3V
			NAND_WP_B	
J2.64	NAND_NWE	K22	GPIO3_IO17	3.3V
			NAND_WE_B	
J2.66	NAND_DATA4	L20	GPIO3_IO10	3.3V
			NAND_DATA04	
J2.68	NAND_DATA1	J20	QSPI_B_DATA0	3.3V
			GPIO3_IO07	
J2.70	NAND_NREADY	K20	NAND_DATA01	3.3V
			QSPI_A_DATA1	
J2.72	NAND_DATA6	L19	GPIO3_IO16	3.3V
			NAND_READY_B	
J2.74	NAND_DATA7	M19	GPIO3_IO12	3.3V
			NAND_DATA06	
J2.76	SDIO_WAKE	M21	QSPI_B_DATA2	3.3V
			GPIO3_IO13	
J2.78	WL_NWAKE	M20	NAND_DATA07	3.3V
			QSPI_B_DATA3	
J2.76	SDIO_WAKE	M21	GPIO2_IO20	3.3V
			USDHC2_WP	
J2.78	WL_NWAKE	M20	GPIO3_IO14	3.3V
			NAND_DQS	

			QSPI_A_DQS	
J2.80	SD2_NCD	L21	GPIO2_IO12	3.3V
			USDHC2_CD_B	
J2.82	SD2_CMD	M22	GPIO2_IO14	3.3V
			USDHC2_CMD	
J2.84	SD2_CLK	L22	GPIO2_IO13	3.3V
			USDHC2_CLK	
J2.86	SD2_DATA0	N22	GPIO2_IO15	3.3V
			USDHC2_DATA0	
J2.88	SD2_DATA1	N21	GPIO2_IO16	3.3V
			USDHC2_DATA1	
J2.90	SD2_DATA2	P22	GPIO2_IO17	3.3V
			USDHC2_DATA2	
J2.92	SD2_DATA3	P21	GPIO2_IO18	3.3V
			SRC_EARLY_RESET	
			USDHC2_DATA3	
J2.94	SD2_NRST	R22	GPIO2_IO19	3.3V
			SRC_SYSTEM_RESET	
			USDHC2_RESET_B	
J2.96	DCDC_5V	---	POWER_IN	5V
J2.98				
J2.100				
J3.1	GND	---	GND	---
J3.3				
J3.5	PWM_LED	K6	GPIO1_IO13	3.3V
			PWM2_OUT	
			USB1_OTG_OC	
J3.7	PWM_FAN	K7	CCM_CLKO1	3.3V
			GPIO1_IO14	
			PWM3_OUT	
			USB2_OTG_PWR	
J3.9	PCle_nDIS	C5	ECSPI2_SCLK	3.3V
			GPIO5_IO10	
			UART4_RX	
J3.11	PCle_nWAKE	E5	ECSPI2_MOSI	3.3V
			GPIO5_IO11	
			UART4_TX	

J3.13	BT_WAKE	A5	ECSPI2_SS0	3.3V
			GPIO5_IO13	
			UART4_RTS_B	
J3.15	PCle_nRST	B5	ECSPI2_MISO	3.3V
			GPIO5_IO12	
			UART4_CTS_B	
J3.17	GND	---	GND	---
J3.19	SAI3_TXFS	G3	GPIO4_IO31	3.3V
			GPT1_CLK	
			SAI3_TX_SYNC	
J3.21	SAI3_RXFS	G4	GPIO4_IO28	3.3V
			GPT1_CAPTURE1	
			SAI3_RX_SYNC	
J3.23	SAI3_RXD	F3	GPIO4_IO30	3.3V
			GPT1_COMPARE1	
			SAI3_RX_DATA0	
J3.25	SAI3_RXC	F4	GPIO4_IO29	3.3V
			GPT1_CAPTURE2	
			SAI3_RX_BCLK	
J3.27	SAI3_MCLK	D3	GPIO5_IO02	3.3V
			PWM4_OUT	
			SAI3_MCLK	
J3.29	SAI3_TXD	C3	GPIO5_IO01	3.3V
			GPT1_COMPARE3	
			SAI3_TX_DATA0	
J3.31	SAI3_TXC	C4	GPIO5_IO00	3.3V
			GPT1_COMPARE2	
			SAI3_TX_BCLK	
J3.33	GND	---	GND	---
J3.35				
J3.37	USB2_RXN	A8	USB_P2_RX_N	3.3V
J3.39	USB2_RXP	B8	USB_P2_RX_P	3.3V
J3.41	GND	---	GND	---
J3.43	USB2_TXN	B9	USB_P2_TX_N	3.3V
J3.45	USB2_TXP	A9	USB_P2_TX_P	3.3V
J3.47	GND	---	GND	---
J3.49	USB2_DN	B10	USB_P2_DN	3.3V

J3.51	USB2_DP	A10	USB_P2_DP	3.3V
J3.53	USB2_VBUS	D9	USB_P2_VBUS	3.3V
J3.55	GND	---	GND	---
J3.57	USB1_RXP	A12	USB_P1_RX_P	3.3V
J3.59	USB1_RXN	B12	USB_P1_RX_N	3.3V
J3.61	GND	---	GND	---
J3.63	USB1_TXP	A13	USB_P1_TX_P	3.3V
J3.65	USB1_TXN	B13	USB_P1_TX_N	3.3V
J3.67	USB1_SS_SEL	K19	GPIO3_IO15	3.3V
			NAND_RE_B	
			QSPI_B_DQS	
J3.69	SPDIF_TX	F6	GPIO5_IO03	3.3V
			PWM3_OUT	
			SPDIF1_OUT	
J3.71	SPDIF_RX	G6	GPIO5_IO04	3.3V
			PWM2_OUT	
			SPDIF1_IN	
J3.73	SPDIF_EXT_CLK	E6	GPIO5_IO05	3.3V
			PWM1_OUT	
			SPDIF1_EXT_CLK	
J3.75	VDD_3V3	---	POWER_IN	3.3V
J3.77				
J3.79				
J3.81	GND	---	GND	---
J3.83				
J3.85				
J3.87	VDD_1V8	---	POWER_OUT	1.8V
J3.89				
J3.91				
J3.93	GND	---	GND	---
J3.95	I2C3_SCL	G8	GPIO5_IO18	3.3V
			I2C3_SCL	
			PWM4_OUT	
J3.97	I2C3_SDA	E9	GPIO5_IO19	3.3V
			I2C3_SDA	
			PWM3_OUT	
J3.99	GND	---	GND	---

J3.2	UART2_RXD	B6	GPIO5_IO24	3.3V
			UART2_RX	
J3.4	UART2_TXD	D6	GPIO5_IO25	3.3V
			UART2_TX	
J3.6	UART1_RXD	C7	GPIO5_IO22	3.3V
			UART1_RX	
J3.8	UART1_TXD	A7	GPIO5_IO23	3.3V
			UART1_TX	
J3.10	GND	---	GND	---
J3.12				
J3.14	WL_REG_ON	D7	GPIO5_IO29	3.3V
			UART2_RTS_B	
			UART4_TX	
J3.16	UART4_RXD	C6	GPIO5_IO28	3.3V
			UART2_CTS_B	
			UART4_RX	
J3.18	GND	---	GND	---
J3.20	DSI_EN	D5	ECSPI1_SCLK	3.3V
			GPIO5_IO06	
			UART3_RX	
J3.22	DSI_TS_NINT	A4	ECSPI1_MOSI	3.3V
			GPIO5_IO07	
			UART3_TX	
J3.24	UART3_CTS	B4	ECSPI1_MISO	3.3V
			GPIO5_IO08	
			UART3_CTS_B	
J3.26	UART3_RTS	D4	ECSPI1_SS0	3.3V
			GPIO5_IO09	
			UART3_RTS_B	
J3.28	UART3_RXD	A6	GPIO5_IO26	3.3V
			UART1_CTS_B	
			UART3_RX	
J3.30	UART3_TXD	B7	GPIO5_IO27	3.3V
			UART1_RTS_B	
			UART3_TX	
J3.32	GND	---	GND	---
J3.34	BT_REG_ON	H21	GPIO3_IO05	3.3V

			NAND_CLE	
			QSPI_B_SCLK	
J3.36	GND	---	GND	---
J3.38				
J3.40	DSI_BL_PWM	T7	CCM_EXT_CLK2	3.3V
			GPIO1_IO01	
			PWM1_OUT	
			SJC_ACTIVE	
			REF_CLK_24M	
J3.42	GND	---	GND	---
J3.44	USB1_VBUS	D14	USB_P1_VBUS	3.3V
J3.46	USB1_ID	C14	USB_P1_ID	3.3V
J3.48	GND	---	GND	---
J3.50	USB1_DP	A14	USB_P1_DP	3.3V
J3.52	USB1_DN	B14	USB_P1_DN	3.3V
J3.54	GND	---	GND	---
J3.56	DSI_DN3	A15	MIPI_DSI_D3_N	1.8V
J3.58	DSI_DP3	B15	MIPI_DSI_D3_P	1.8V
J3.60	GND	---	GND	---
J3.62	DSI_DN1	A16	MIPI_DSI_D1_N	1.8V
J3.64	DSI_DP1	B16	DSI_DP1	1.8V
J3.66	GND	---	GND	---
J3.68	DSI_CKN	C16	MIPI_DSI_CLK_N	1.8V
J3.70	DSI_CKP	D16	MIPI_DSI_CLK_P	1.8V
J3.72	GND	---	GND	---
J3.74	DSI_DN0	A17	MIPI_DSI_D0_N	1.8V
J3.76	DSI_DP0	B17	MIPI_DSI_D0_P	1.8V
J3.78	GND	---	GND	---
J3.80	DSI_DN2	A18	MIPI_DSI_D2_N	1.8V
J3.82	DSI_DP2	B18	MIPI_DSI_D2_P	1.8V
J3.84	GND	---	GND	---
J3.86				
J3.88				
J3.90	BT_DEV_WAKE	G21	GPIO3_IO02	3.3V
			NAND_CE1_B	
			QSPI_A_SS1_B	
J3.92	GND	---	GND	---

J3.94				
J3.96	I2C2_SCL	G7	ENET1_1588_EVENT1_IN	3.3V
			GPIO5_IO16	
			I2C2_SCL	
J3.98	I2C2_SDA	F7	ENET1_1588_EVENT1_OUT	3.3V
			GPIO5_IO17	
			I2C2_SDA	
J3.100	CSI_P2_PWDN	P7	CCM_PMIC_READY	3.3V
			GPIO1_IO05	
			M4_NMI	

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