

BTB Connector Pin Map

KCN1(1~50)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
MMC_Ch2	GND		2	1		GND	Audio codec PCM
	TFLASH_D0	GPR4_3	4	3		BT_PCM_CLK	
	TFLASH_D1	GPR4_4	6	5		BT_PCM_SYNC	
	TFLASH_D2	GPR4_5	8	7		BT_PCM_DO	
	TFLASH_D3	GPR4_6	10	9		BT_PCM_DI	
	TFLASH_CLK	GPR4_0	12	11	GPR4_2	TFLASH_CDN	MMC_Ch2
	TFLASH_CMD	GPR4_1	14	13		GND	GPIO MMC Ch1 GPIO
PCIe WIFI	GND		16	15	GPG1_2	LED_BLUE	
	PCIe_RXN_WIFI		18	17	GPG1_3	LED_GREEN	
	PCIe_RXP_WIFI		20	19	GPG1_4	LED_RED	
	GND		22	21	GPR3_0	XMMC1DATA_0	
	PCIe_TXN_WIFI		24	23	GPR3_1	XMMC1DATA_1	
	PCIe_TXP_WIFI		26	25	GPR3_2	XMMC1DATA_2	
	GND		28	27	GPR3_3	XMMC1DATA_3	
	PCIe_CLKOUTN_WIFI		30	29	GPR3_4	XMMC1DATA_4	
	PCIe_CLKOUTP_WIFI		32	31	GPR3_5	XMMC1DATA_5	
	GND		34	33	GPR3_6	XMMC1DATA_6	
	PCIeM_TXP		36	35	GPR3_7	XMMC1DATA_7	
	PCIeM_TXN		38	37		GND	
	GND		40	39	GPR2_2	XMMC1DS	
	PCIeM_CLKOUTP		42	41	GPR2_0	XMMC1CLK	
	PCIeM_CLKOUTN		44	43	GPR2_1	XMMC1CMD	
	GND		46	45	GPR2_3	XMMC1QRDY	
	PCIeM_RXP		48	47	GPR2_4	XMMC1INTN	
	PCIeM_RXN		50	49	GPV6_0	PCIeM_WKREQOUT_CP	

KCN1(51~100)

기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능	
USB 3.0	GND		52	51	GPD5_1 GPV6_1	PCIeM_CLKREQ_	GPIO	
	XUSB30DM0		54	53	GPH1_2	PCIeM_RESET_CP		
	XUSB30DP0		56	55	GPH1_3	PCIeM_WAKE_CP		
	GND		58	57		GND		
	XUSB30TX0M		60	59	GPA0_0	GHG_INT		
	XUSB30TX0P		62	61	GPA0_1	EAR_DET		
	GND		64	63	GPG0_0	XGPIO_29		
	XUSB30RX0M		66	65	GPA0_3	TOUCH_INT0		
	XUSB30RX0P		68	67	GPA0_4	XEINT_4		
	GND		70	69	GPA0_5	CODEC_INT		
eDP	XDPTX3P		72	71	GPA0_6	HSIC_HUB_INT	USB 3.0 SYS	
	XDPTX3N		74	73	GPA0_7	XEINT_7		
	GND		76	75		GND		
	XDPTX2P		78	77	GPZ1_1	BT_UART_RXD		
	XDPTX2N		80	79	GPZ1_0	BT_UART_TXD		
	GND		82	81	GPZ1_2	BT_UART_CTSn		
	XDPTX1P		84	83	GPZ1_3	BT_UART_RTSn		
	XDPTX1N		86	85	GPA1_1 - USB ID	XEINT_X9 - USB30ID0		
	GND		88	87		XUSB30VBUS0		
	XDPTX0P		90	89		XUSB30OVERCUR		
	XDPTX0N		92	91		XUSB30VBUSCTR		
	GND		94	93		GND		
	XDPAUXP		96	95	GPH1_0	XHSICDATA		HSIC
	XDPAUXN		98	97	GPH1_1	XHSICSTROBE		
	GND		100	99		GND		

KCN2(1~50)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GPIO	GND		2	1		GND	Audio Codec pin
	BT_DEV_WAKE	GPF2_2	4	3		AUD_JD1	
	EMMC_NRESET	GPF2_3	6	5		AUD_MIC_IN_DET	
	XGPIO_19	GPF3_1	8	7		AUD_MICBIAS1	
	MAINCAM_RESET	GPF3_2	10	9		GND	
	VTCAM_RESET	GPF3_3	12	11		AUD_IN1P_RING2	
	NFC_WAKE	GPF3_4	14	13		AUD_IN1N_SLEEVE	
	HDMI_LS_EN	GPF4_5	16	15		GND	
	HDMI_DCDC_EN	GPF4_6	18	17		AUD_HPOR	
	CAM_FLASH_TORCH	GPF4_7	20	19		AUD_HPOL	
	GPS_EN	GPF5_5	22	21		GND	
	GND		24	23		AUD_SPO_LN	
	XGPIO_27	GPF5_6	26	25		AUD_SPO_LP	
	PCIm_POWER_EN	GPF5_7	28	27		GND	
	AP_PMIC_IRQ	GPA0_2	30	29		AUD_SPO_RN	
	PCIEW_PRESET_WIFI	GPG0_0	32	31		AUD_SPO_RP	
	PAD_DBGSRCSEL	GPG2_1	34	33		GND	
	XGPIO_32	GPJ0_2	36	35		AUD_IN2P	
	XGPIO_33	GPJ1_2	38	37		AUD_IN2N	
	XGPIO_34	GPV7_4	40	39			
	HSIC_HUB_RST	GPF0_0	42	41			
	NFC_VEN	GPF0_1	44	43			
	GND		46	45	GPF1_1	MOTOR_EN	
	PM_WRSTI	GPF0_2	48	47	GPF1_2	MUIC_IRQB	
XGPIO_4	GPF0_3	50	49	GPF1_3	GPS_RST_N		

KCN2(51~100)

기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GPIO	WIFI_REG_ON	GPF0_4	52	51	GPF1_4	XGPIO_10	GPIO
	BT_REG_ON	GPF1_0	54	53	GPF1_5	NFC_DWL	
	XPCIEW_WAKE	GPG2_2	56	55	GPF1_6	XGPIO_12	
	XCPUAXI3SELACE	GPG2_3	58	57	GPF1_7	XGPIO_13	
	CAM_FLASH_HWEN	GPF0_5	60	59	GPF2_0	GPIO_14	
	PCle_CLKREQ_WIFI	GPF0_6	62	61	GPF2_1	XGPIO_15	
	GND		64	63	GPF2_2	CODEC_LDOENA	
	GPIO_RSV_5	GPF4_0	66	65		GND	
	GPIO_RSV_6	GPF4_1	68	67	GPA1_0	DRD_VBUS_SENS	
	GPIO_RSV_7	GPF4_2	70	69	GPA1_1 - USB ID	XEINT_X9 - USB30ID0	
	GPIO_RSV_8	GPF4_3	72	71	GPA1_2	MENU_KEY	
	TE_SIGNAL0	GPF4_4	74	73	GPA1_3	BACK_KEY	
	OLED_ID0/DP_GPIO0	GPF5_0	76	75	GPA1_4	XEINT_12	
	GPIO_RSV_11	GPF5_1	78	77	GPA1_5	XEINT_13	
	NFC_PWR_REQ	GPF5_2	80	79	GPA1_6	XEINT_14	
	BOOST5V_EN	GPF5_3	82	81	GPA1_7	NFC_INT	
	GPIO_RSV_14	GPF5_4	84	83	GPA2_0	VOL_UP	
	HDMI_HPD	GPA3_0	86	85	GPA2_1	VOL_DOWN	
	HDMI_CEC	GPA3_1	88	87	GPA2_2	XEINT_18	
	INT_26	GPA3_2	90	89	GPA2_3	WLAN_HOST_WA	
	PCIEW_WKREQIN_WIFI	GPA3_3	92	91	GPA2_4	NFC_CLK_REQ	
	FUEL_INT	GPA3_4	94	93	GPA2_5	HOME_KEY	
	XEINT_29	GPA3_5	96	95	GPA2_6	BT_HOST_WAKE	
	XEINT_30	GPA3_6	98	97	GPA3_7	SUB_PMIC_IRQB	
	GND		100	99		GND	

KCN3(1~50)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
MIPI CSI Main	GND		2	1		GND	HDMI
	MAINCAM_MIPI_D3_N		4	3		HDMI_TXCN	
	MAINCAM_MIPI_D3_P		6	5		HDMI_TXCP	
	MAINCAM_MIPI_D2_N		8	7		GND	
	MAINCAM_MIPI_D2_P		10	9		HDMI_TX0N	
	GND		12	11		HDMI_TX0P	
	MAINCAM_MIPI_CLK_N		14	13		GND	
	MAINCAM_MIPI_CLK_P		16	15		HDMI_TX1N	
	GND		18	17		HDMI_TX1P	
	MAINCAM_MIPI_D1_N		20	19		GND	
	MAINCAM_MIPI_D1_P		22	21		HDMI_TX2N	
	MAINCAM_MIPI_D0_N		24	23		HDMI_TX2P	
	MAINCAM_MIPI_D0_P		26	25		GND	
MIPI DSI Ch0	GND		28	27	GPC0_0	XISPGP0	GPIO
	DISP_MIPI0_D3_N		30	29	GPC0_1	XISPGP1	
	DISP_MIPI0_D3_P		32	31	GPC0_2	XISPGP2	
	GND		34	33	GPC0_3	XISPGP3/DP_HPDP	
	DISP_MIPI0_D2_N		36	35	GPC0_4	XISPGP4	
	DISP_MIPI0_D2_P		38	37	GPC0_5	XISPGP5	
	GND		40	39	GPC0_6	XISPGP6	
	DISP_MIPI0_CLK_N		42	41	GPC0_7	XISPGP7	
	DISP_MIPI0_CLK_P		44	43	GPC1_0	XISPGP8	
	GND		46	45			
	DISP_MIPI0_D1_N		48	47			
	DISP_MIPI0_D1_P		50	49			
	GND		28	27	GPD7_0	XCI0_MCLK	DISP MCLK
	DISP_MIPI0_D3_N		30	29	GPD7_1	XCI1_MCLK	
	DISP_MIPI0_D3_P		32	31	GPD7_2	XCI2_MCLK	

KCN3(51~100)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
MIPI DSI Ch0	GND		52	51	GPC3_1	XISPGP9	ISP GPIO
	DISP_MIPI0_D0_N		54	53		GND	
	DISP_MIPI0_D0_P		56	55	GPC3_0	XISPSPi0CLK	
	GND		58	57	GPC3_1	XISPSPi0CSN	
MIPI DSI Ch1	DISP_MIPI1_D3_N		60	59	GPC3_2	XISPSPi0MISO	I2C
	DISP_MIPI1_D3_P		62	61	GPC3_3	XISPSPi0MOSI	
	DISP_MIPI1_D2_N		64	63	GPC3_4	XISPSPi1CLK	
	DISP_MIPI1_D2_P		66	65	GPC3_5	XISPSPi1CSN	
	GND		68	67	GPC3_6	XISPSPi1MISO	
	DISP_MIPI1_CLK_N		70	69	GPC3_7	XISPSPi1MOSI	
	DISP_MIPI1_CLK_P		72	71		GND	
	GND		74	73	GPC2_0	XISPI2C0SDA	
	DISP_MIPI1_D1_N		76	75	GPC2_1	XISPI2C0SCL	
	DISP_MIPI1_D1_P		78	77	GPC2_2	XISPI2C1SDA	
DISP_MIPI1_D0_N		80	79	GPC2_3	XISPI2C1SCL		
DISP_MIPI1_D0_P		82	81	GPC2_4	XISPI2C2SDA		
MIPI CSI VTCAM	GND		84	83	GPC2_5	XISPI2C2SCL	VINMAIN POWER (2.7-5.0)
	VTCAM_D1_N		86	85		GND	
	VTCAM_D1_P		88	87		VINMAIN	
	VTCAM_CLK_N		90	89		VINMAIN	
	VTCAM_CLK_P		92	91		VINMAIN	
	GND		94	93		VINMAIN	
	VTCAM_D0_N		96	95		VINMAIN	
	VTCAM_D0_P		98	97		VINMAIN	
	GND		100	99		VINMAIN	

KCN4(1~50)							
기능	핀 이름	GPIO	핀 번호		GPIO	기능	
UART	GND		2	1		GND	
	XURXD_0	GPD0_0	4	3	GPD5_0	XSPICLK_2	GPIO
	XUTXD_0	GPD0_1	6	5	GPD5_1	XSPICSN_2	
	XUCTSN_0	GPD0_2	8	7	GPJ0_0	XHSI2C6SDA	I2C
	XURTSN_0	GPD0_3	10	9	GPJ0_1	XHSI2C6SCL	
	XURXD_1	GPD1_0	12	11	GPJ1_0	XHSI2C7SDA	
	XUTXD_1	GPD1_1	14	13	GPJ1_1	XHSI2C7SCL	
I2C	SENSOR_SDA_1.8V	GPD1_2	16	15	GPG4_0	XSPICLK_3	SPI
	SENSOR_SCL_1.8V	GPD1_3	18	17	GPG4_1	XSPICSN_3	
UART	AP_UART_RXD	GPD1_4	20	19	GPG4_2	XSPIMISO_3	
Debug	AP_UART_TXD	GPD1_5	22	21	GPG4_3	XSPIMOSI_3	
I2C	GND		24	23	GPV7_0	LIGHT_SDA_1.8V	I2C
	BOOST2_SDA_1.8V	GPD5_2	26	25	GPV7_1	LIGHT_SCL_1.8V	
	BOOST2_SCL_1.8V	GPD5_3	28	27		GND	GPIO
	XHSI2C10SDA	GPB0_0	30	29	GPV7_2	XSPIMISO_4	
	XHSI2C10SCL	GPB0_1	32	31	GPV7_3	XSPIMOSI_4	
	HDMI_SDA_1.8V	GPB0_2	34	33	GPD8_0	CODEC_SPI_CLK	SPI
	HDMI_SCL_1.8V	GPB0_3	36	35	GPD8_1	CODEC_SPI_CSN	
XOM1		38	37	GPD6_0	CODEC_SPI_MISO		
XOM2		40	39	GPD6_1	CODEC_SPI_MOSI		
SYS	XOM3		42	41	GPD6_2	XSPICLK_1	
	XOM4		44	43	GPD6_3	XSPICSN_1	
	XOM5		46	45	GPD6_4	XSPIMISO_1	
	AP_PWRRGTON		48	47	GPD6_5	XSPIMOSI_1	
	XBOOTLDO0		50	49		GND	

KCN4(51~100)

기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
SYS	AP_JIGONB		52	51	GPD2_0	CHG_SDA_1.8V	I2C
	POWER_KEY		54	53	GPD2_1	CHG_SCL_1.8V	
	AP_PS_HOLD		56	55	GPD2_2	CODEC_SDA_1.8V	
	AP_WRESET		58	57	GPD2_3	CODEC_SCL_1.8V	
	AP_NRESET		60	59	GPG3_0	PMIC_SDA_1.8V	
	PMIC_MRSTB		62	61	GPG3_1	PMIC_SCL_1.8V	
	GPS_32K		64	63	GPG3_2	MOTOR_SDA_1.8	
	BT_32K		66	65	GPG3_3	MOTOR_SCL_1.8V	
ADC	GND		68	67		XADC0AIN_0	ADC
	XADC0AIN_3		70	69		XADC0AIN_1	
	XADC0AIN_4		72	71		XADC0AIN_2	
LDO POWER	VDD18_PERI		74	73	GPD4_0	MIPI_DSI0_nRST	GPIO
	PVDD_LDO14		76	75	GPD4_2	XI2S1LRCK	
	PVDD_LDO15		78	77	GPD4_2	MIPI_DSI1_nRST	
	PVDD_LDO16		80	79	GPD4_3	XI2S1SDI	
	PVDD_LDO16		82	81	GPD4_4	XI2S1SDO	
	PVDD_LDO18		84	83	GPG0_1	XV_TES/TE_DECO	
	PVDD_LDO18		86	85	GPD2_4	XPWMTOUT_0	PWM
	PVDD_LDO17		88	87	GPD2_5	XPWMTOUT_1	
	PVDD_LDO20		90	89	GPD2_6	XPWMTOUT_2	
	PVDD_LDO19		92	91	GPD2_7	XPWMTOUT_3	LDO POWER
	PVDD_LDO21		94	93		PVDD_LDO23	
	PVDD_LDO21		96	95		PVDD_LDO24	
	PVDD_LDO26		98	97		PVDD_LDO25	
	PVDD_LDO27		100	99		PVDD_LDO25	