

Board Connector Pin Map

KCN1(1~50)								
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능	
I2C	GND		2	1		GND	I2C	
	GND		4	3		GND		
	XI2C7SCL	GPB4_7	6	5	GPB4_3	XI2C5SCL		
	XI2C7SDA	GPB4_6	8	7	GPB4_2	XI2C5SDA		
	GND		10	9		GND		
	XI2C6SCL	GPB4_5	12	11	GPB4_1	XI2C4SCL		
	XI2C6SDA	GPB4_4	14	13	GPB4_0	XI2C4SDA		
	GND		16	15	GPB3_7	XI2C3SCL		
SPI	XSPICLK0	GPA2_0	18	17	GPB3_6	XI2C3SDA	I2C	
	XSPICSN0	GPA2_1	20	19		GND		
	XSPIMISO0	GPA2_2	22	21	GPB3_5	XI2C2SCL		
	XSPIMOSI0	GPA2_3	24	23	GPB3_4	XI2C2SDA		
	GND		26	25	GPB3_3	XI2C1SCL		
	X XSPICLK1	GPA2_4	28	27	GPB3_2	XI2C1SDA		
	XSPICSN1	GPA2_5	30	29		GND		
	XSPIMISO1	GPA2_6	32	31	GPB2_0	XPWMTOUT0		PWM
	XSPIMOSI1	GPA2_7	34	33	GPB2_1	XPWMTOUT1		
	GND		36	35	GPB2_2	XPWMTOUT2		
	XSPICLK2	GPB1_0	38	37	GPB2_3	XPWMTOUT3		ISP GPIO
	XSPICSN2	GPB1_1	40	39		GND		
	XSPIMISO2	GPB1_2	42	41	GPE1_2	XCI0_MCLK		
	XSPIMOSI2	GPB1_3	44	43	GPE1_3	XCI1_MCLK		
	GND		46	45	GPE1_4	XCI2_MCLK		
		GND		48	47	GPK0_0		XV_FRM
	VTCAM_D1_P		50	49	GPK0_1	XV_TES		

KCN1(51~100)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
MIPI CSI CH1	VTCAM_D1_N		52	51		GND	I2S
	GND		54	53	GPB0_0	XI2SSCLK	
	VTCAM_CLK_P		56	55	GPB0_1	XI2SCDCLK	
	VTCAM_CLK_N		58	57	GPB0_2	XI2SLRCK	
	GND		60	59	GPB0_3	XI2SSDI	
	VTCAM_D0_P		62	61	GPB0_4	XI2SSDO	
	VTCAM_D0_N		64	63		GND	
	GND		66	65	GPA1_0	XURXD1	
MIPI CSI CH0	GND		68	67	GPA1_1	XUTXD1	
	MAINCAM_MIPI_D3_P		70	69	GPA1_2	XUCTSN1	
	MAINCAM_MIPI_D3_N		72	71	GPA1_3	XURTSN1	
	GND		74	73		GND	
	MAINCAM_MIPI_D2_P		76	75	GPA1_4	XURXD2	
	MAINCAM_MIPI_D2_N		78	77	/GPA1_5	XUTXD2	
	GND		80	79		GND	
	MAINCAM_MIPI_CLK_P		82	81	GPA0_0	UART0_RXD	
	MAINCAM_MIPI_CLK_N		84	83	GPA0_1	UART0_TXD	
	GND		86	85	GPA0_2	UART0_CTSn	
	MAINCAM_MIPI_D1_P		88	87	GPA0_3	UART0_RTSn	
	MAINCAM_MIPI_D1_N		90	89	GPE1_1	XISPGP9	ISP GPIO
GND		92	91	GPE0_0	XISPGP0		
MAINCAM_MIPI_D0_P		94	93	GPE0_1	XISPGP1		
MAINCAM_MIPI_D0_N		96	95	GPE0_2	XISPGP2		
GND		98	97		GND		
GND		100	99		GND		

KCN2(1~50)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
I2C	GND		2	1		GND	GPIO
	GND		4	3		GND	
	XI2C8SCL	GPB5_1	6	5	GPD1_6	XGP14	
	XI2C8SDA	GPB5_0	8	7	GPD1_5	XGP13	
	XI2C9SCL	GPB5_3	10	9	GPD1_4	XGP12	
	XI2C9SDA	GPB5_2	12	11	GPD1_3	XGP11	
	GND		14	13	GPD1_2	XGP10	
	XI2C10SCL	GPB5_5	16	15	GPD1_1	XGP9	
	XI2C10SDA	GPB5_4	18	17	GPD1_0	XGP8	
	XI2C11SCL	GPB5_7	20	19	GPD0_7	XGP7	
	XI2C11SDA	GPB5_6	22	21		GND	
TS	GND		24	23	GPD0_6	XGP6	GPIO
	XTS_ERROR	GPD2_4	26	25	GPD0_5	XGP5	
	XTS_DATA	GPD2_3	28	27	GPD0_4	XGP4	
	XTS_VAL	GPD2_2	30	29	GPD0_3	XGP3	
	XTS_SYNC	GPD2_1	32	31	GPD0_2	XGP2	
	XTS_CLK	GPD2_0	34	33	GPD0_1	XGP1	
	GND		36	35	GPD0_0	XGP0	
JTAG	AP_XJTRSTN	ETC0_0	38	37		GND	MMC_CH1
	AP_XJTMS	ETC0_1	40	39	GPC1_2	XMMC1DATA0	
	AP_XJTCK	ETC0_2	42	41	GPC1_3	XMMC1DATA1	
	AP_XJTDI	ETC0_3	44	43	GPC1_4	XMMC1DATA2	
	AP_XJTDO	ETC0_4	46	45	GPC1_5	XMMC1DATA3	
	GND		48	47	GPC3_0	XMMC1DATA4	
ADC	XADCAIN_0		50	49	GPC3_1	XMMC1DATA5	

KCN2(51~100)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
ADC	XADCAIN_1		52	51	GPC4_2	XMMC1DATA6	MMC_CH1
	XADCAIN_2		54	53	GPC4_3	XMMC1DATA7	
	XADCAIN_3		56	55		GND	
	XADCAIN_4		58	57	GPC1_1	TXCXMMC1CMD	
	XADCAIN_5		60	59		GND	
	XADCAIN_6		62	61	GPC1_0	XMMC1CLK	
	XADCAIN_7		64	63		GND	USB 3.0
	XADCAIN_8		66	65	ETC7_2	AP_USB3_OVERCU	
	XADCAIN_9		68	67	ETC7_3	AP_USB3_BUSCTRL	
GND		70	69		GND		
XMMC2DATA3	GPC2_6	72	71		AP_USB3_VBUS		
SD_CH2	XMMC2DATA2	GPC2_5	74	73		GND	
	XMMC2DATA1	GPC2_4	76	75		GND	
	XMMC2DATA0	GPC2_3	78	77		XUSB30RX0P	
	XMMC2CDN	GPC2_2	80	79		XUSB30RX0M	
	GND		82	81		GND	
	XMMC2CMD	GPC2_1	84	83		XUSB30TX0P	
	GND		86	85		XUSB30TX0M	
	XMMC2CLK	GPC2_0	88	87		GND	
	SYS	GND		90	89		AP_USB_DRD_D+
AP_NRESET			92	91		AP_USB_DRD_D	
AP_WRESET			94	93		GND	
AP_PS_HOLD			96	95		USB3_ID	
GND			98	97		GND	
GND			100	99		GND	

KCN3(1~50)								
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능	
MIPI DSI	GND		2	1		GND		
	GND		4	3		GND		
	DISP_MIPI_D3_P		6	5				
	DISP_MIPI_D3_N		8	7				
	GND		10	9				
	DISP_MIPI_D2_P		12	11				
	DISP_MIPI_D2_N		14	13				
	GND		16	15				
	DISP_MIPI_CLK_P		18	17				
	DISP_MIPI_CLK_N		20	19				
	GND		22	21	GPE0_3	XISPGP3		ISP GPIO
	DISP_MIPI_D1_P		24	23	GPE0_4	XISPGP4		
	DISP_MIPI_D1_N		26	25	GPE0_5	XISPGP5		
	GND		28	27	GPE0_6	XISPGP6		
	DISP_MIPI_D0_P		30	29	GPE0_7	XISPGP7		
	DISP_MIPI_D0_N		32	31	GPE1_0	XISPGP8		
GND		34	33		GND			
GND		36	35		GND			
eDP	XDPAUXN		38	37	GPF0_0	XISPI2C0SDA		
	XDPAUXP		40	39	GPF0_1	XISPI2C0SCL		
	GND		42	41	GPF0_2	XISPI2C1SDA		
	XDPTX0N		44	43	GPF0_3	XISPI2C1SCL		
	XDPTX0P		46	45		GND		
	GND		48	47	GPF1_0	XISPSPI0CLK		
	XDPTX1N		50	49	GPF1_1	XISPSPI0CSN		

KCN3(51~100)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
eDP	XDPTX1P		52	51	GPF1_2	XISPSPi0MISO	ISP GPIO
	GND		54	53	GPF1_3	XISPSPi0MOSI	
	XDPTX2N		56	55		GND	
	XDPTX2P		58	57	GPF1_4	XISPSPi1CLK	
	GND		60	59	GPF1_5	XISPSPi1CSN	
	XDPTX3N		62	61	GPF1_6	XISPSPi1MISO	
	XDPTX3P		64	63	GPF1_7	XISPSPi1MOSI	
	GND		66	65		GND	
HDMI	GND		68	67	GPZ1_0	BT_UART_RXD	UART
	HD_TXC		70	69	GPZ1_1	BT_UART_TXD	
	HD_TXC+		72	71	GPZ1_2	BT_UART_CTSn	
	GND		74	73	GPZ1_3	BT_UART_RTSn	
	HD_TX0-		76	75		GND	
	HD_TX0+		78	77	GPZ0_0	CODEC_I2S_CLK	I2S
	GND		80	79	GPZ0_1	CODEC_I2S_CDC	
	HD_TX1-		82	81	GPZ0_2	CODEC_I2S_SYN	
	HD_TX1+		84	83	GPZ0_3	CODEC_I2S_DI	
	GND		86	85	GPZ0_4	CODEC_I2S_DO	
	HD_TX2-		88	87	GPZ0_5	XAUDI2SSDO1	
	HD_TX2+		90	89	GPZ0_6	XAUDI2SSDO2	
		GND		92	91		GND
MAIN PWR	MAIN_BAT		94	93		MAIN_BAT	MAIN PWR
	MAIN_BAT		96	95		MAIN_BAT	
	MAIN_BAT		98	97		MAIN_BAT	
	MAIN_BAT		100	99		MAIN_BAT	

KCN4(1~50)							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
SYS	GND		2	1		GND	USB OTG
	GND		4	3		GND	
	GND		6	5		USB_VBUS	
	GND		8	7		GND	
	XBOOTLDO		10	9		XUHOSTPWREN	
	XPWRRGTON		12	11		XUHOSTOVERCUR	
	AP_CLK_24MHZ		14	13		GND	
			16	15		AP_USB_DP	
	GND		18	17		AP_USB_DM	
OM	XOM0		20	19		GND	HSIC
	XOM1		22	21		XHSICSTROBE	
	XOM2		24	23		XHSICDATA	
	XOM3		26	25		GND	XEINT
	XOM4		28	27	GPX0_0	XEINT0	
	XOM5		30	29	GPX0_1	XEINT1	
SYS	ON_SW		32	31		PM_WRST	
	CP32K		34	33	XEINT3	XEINT3	
	ACOKB		36	35	XEINT5	XEINT5	
	AP_JIGONB		38	37		GND	
	GND		40	39	GPX0_6	XEINT6	
RTC PWR	VDD_RTC_PM		42	41	GPX0_7	XEINT7	
PMIC LDO	VLDO26		44	43	GPX1_0	XEINT8	
	VLDO15		46	45	GPX1_1	XEINT9	
	GND		48	47	GPX1_2	XEINT10	
	VLDO18		50	49		GND	

KCN4(51~100)

기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
PMIC LDO	VLDO19		52	51	GPX1_3	XEINT11	XEINT
	GND		54	53	GPX1_4	XEINT12	
	VLDO21		56	55	GPX1_5	XEINT13	
	VLDO22		58	57	GPX1_6	XEINT14	
			60	59	GPX1_7	XEINT15	
	VLDO11		62	61		GND	
	VLDO11		64	63	GPX2_0	XEINT16	
	GND		66	65	GPX2_1	XEINT17	
	VLDO25		68	67	GPX2_2	XEINT18	
	VLDO25		70	69	GPX2_3	XEINT19	
	VLDO16		72	71	GPX2_4	XEINT20	
	GND		74	73	GPX2_5	XEINT21	
	VLDO13 -		76	75	GPX2_6	XEINT22	
	VLDO13		78	77		GND	
	VLDO24		80	79	GPX2_7	XEINT23	
	VLDO24		82	81	GPX3_0	XEINT24	
	GND		84	83	GPX3_1	XEINT25	
	VLDO20		86	85	GPX3_2	XEINT26	
	VDDQ_IO_1.8V_AP		88	87	GPX3_3	XEINT27	
	VDDQ_IO_1.8V_AP		90	89	GPX3_4	XEINT28	
GND		92	91	GPX3_5	XEINT29		
VLDO17		94	93	GPX3_6	XEINT30		
VLDO14		96	95	GPX3_7	XEINT31		
GND		98	97		GND		
GND		100	99		GND		