

Board Connector Pin Map

CN1							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GND	GND	-	1	2	-	GND	GND
LCD	XvVD0	GPF0[4]	3	4	GPF3[3]	XvVD23	LCD
	XvVD1	GPF0[5]	5	6	GPF3[2]	XvVD22	
	XvVD2	GPF0[6]	7	8	GPF3[1]	XvVD21	
	XvVD3	GPF0[7]	9	10	GPF3[0]	XvVD20	
	XvVD4	GPF1[0]	11	12	GPF2[7]	XvVD19	
	XvVD5	GPF1[1]	13	14	GPF2[6]	XvVD18	
	XvVD6	GPF1[2]	15	16	GPF2[5]	XvVD17	
	XvVD7	GPF1[3]	17	18	GPF2[4]	XvVD16	
	XvVD8	GPF1[4]-	19	20	GPF2[3]	XvVD15	
	XvVD9	GPF1[5]-	21	22	GPF2[2]	XvVD14	
	XvVD10	GPF1[6]	23	24	GPF2[1]	XvVD13	
	XvVD11	GPF1[7]	25	26	GPF2[0]	XvVD12	
	XciFIELD	GPJ1[4]	27	28	-	GND	
SLIM BUS	XsbusData/SLIM_DAT	ETC1[0]	29	30	GPF3[5]	XvSYS_OE	L
	XsbusClk/SLIM_CLK	GPF1[1]	31	32	GPF0[0]	XvHSYNC	
GND	GND	-	33	34	GPF0[1]	XvVSYNC	
CAM	XciPCLK	GPJ0[0]	35	36	GPF0[2]	XvVDEN	
	XciVSYNC	GPJ0[1]	37	38	GPF0[3]	XvVCLK	
	XciHREF	GPJ0[2]	39	40	GPF3[4]	XvVSYNC_LDI	
	XciYDATA0	GPJ0[3]	41	42	-	GND	GND
	XciYDATA1	GPJ0[4]	43	44	-	XhdmiTX2P	HDMI
	XciYDATA2	GPJ0[5]	45	46	-	XhdmiTX2N	
	XciYDATA3	GPJ0[6]	47	48	-	XXhdmiTX1P	
	XciYDATA4	GPJ0[7]	49	50	-	XXhdmiTX1N	
	XciYDATA5	GPJ1[0]	51	52	-	XhdmiTX0P	
	XciYDATA6	GPJ1[1]	53	54	-	XhdmiTX0N	
XciYDATA7	GPJ1[2]	55	56	-	XhdmiTXCP		
XciCLKenb	GPJ1[3]	57	58	-	XhdmiTXCN		
GND	GND	-	59	60	-	GND	GND

CN2							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GND	GND	-	1	2	-	GND	GND
MIPI DSI	XmipiMDNCLK	-	3	4	-	XmipiSDN0	MIPI CSI
	XmipiMDPCLK	-	5	6	-	XmipiSDP0	
	XmipiMDN0	-	7	8	-	XmipiSDN1	
	XmipiMDP0	-	9	10	-	XmipiSDP1	
	XmipiMDN1	-	11	12	-	XmipiSDN2	
	XmipiMDP1	-	13	14	-	XmipiSDP2	
	XmipiMDN2	-	15	16	-	XmipiSDN3	
	XmipiMDP2	-	17	18	-	XmipiSDP3	
	XmipiMDN3	-	19	20	-	XmipiSDNCLK	
	XmipiMDP3	-	21	22	-	XmipiSDPCLK	
GND	GND	-	23	24	-	GND	GND
ADC	XadcAIN0	-	25	26	GPM0[1]	XispRGB0	LCD/CAM (Multi Fn)
	XadcAIN1	-	27	28	GPM0[2]	XispRGB1	
	XadcAIN2	-	29	30	GPM0[3]	XispRGB2	
	XadcAIN3	-	31	32	GPM0[4]	XispRGB3	
GND	GND	-	33	34	GPM0[5]	XispRGB4	
I2S	Xi2sSCLK0	GPZ[0]	35	36	GPM0[6]	XispRGB5	
	Xi2sCDCLK0	GPZ[1]	37	38	GPM0[7]	XispRGB6	
	Xi2sLRCK0	GPZ[2]	39	40	GPM1[0]	XispRGB7	
	Xi2sSDIO	GPZ[3]	41	42	GPM3[5]	XispGP7	GPS
	Xi2sSDO0_0	GPZ[4]	43	44	GPM3[7]	XispGP9	(Multi Fn)
GPS (Multi Fn)	XispGP2	GPM3[0]	45	46	GPM4[6]	XispSPIMISO	SPI
	XispGP3	GPM3[1]	47	48	GPM4[2]	XispI2C1SCL	I2C
	XispGP6	GPM3[4]	49	50	GPM4[3]	XispI2C1SDA	
LCD/CAM (Multi Fn)	XispVSYNC	GPM2[0]	51	52	GPM4[0]	XispI2C0SCL	I2C
	XispHSYNC	GPM2[1]	53	54	GPM4[1]	XispI2C0SDA	
	XispMCLK	GPM2[2]	55	56	GPM4[4]	XispSPICLK	SPI
	XispPCLK	GPM0[0]	57	58	GPM4[5]	XispSPICSn	
GND	GND	-	59	60	-	GND	GND

CN3							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GND	GND	-	1	2	-	GND	GND
GND	GND	-	3	4	-	GND	GND
I2S	Xi2sSDO0_1	GPZ[5]-	5	6	GPZ[6]	Xi2sSDO0_2	GPS (Multi Fn)
LCD (Multi Fn)	XispRGB8	GPM1[1]	7	8	GPM3[6]	XispGP8	
	XispRGB9	GPM1[2]	9	10	GPM2[3]	XispGP0	
	XispRGB10	GPM1[3]	11	12	GPM2[4]	XispGP1	
	XispRGB11	GPM1[4]	13	14	GPM3[2]	XispGP4	
	XispRGB12	GPM1[5]	15	16	GPM3[3]	XispGP5	
XispRGB13	GPM1[6]	17	18	GPM4[7]	XispSPIMOSI	SPI	
GND	GND	-	19	20		GND	GND
EBI	Xm0DATA0	GPY5[0]	21	22	GPY3[0]	Xm0ADDR0	EBI
	Xm0DATA1	GPY5[1]	23	24	GPY3[1]	Xm0ADDR1	
	Xm0DATA2	GPY5[2]	25	26	GPY3[2]	Xm0ADDR2	
	Xm0DATA3	GPY5[3]	27	28	GPY3[3]	Xm0ADDR3	
	Xm0DATA4	GPY5[4]	29	30	GPY3[4]	Xm0ADDR4	
	Xm0DATA5	GPY5[5]	31	32	GPY3[5]	Xm0ADDR5	
	Xm0DATA6	GPY5[6]	33	34	GPY3[6]	Xm0ADDR6	
	Xm0DATA7	GPY5[7]	35	36	GPY3[7]	Xm0ADDR7	
	Xm0DATA8	GPY6[0]	37	38	GPY4[0]	Xm0ADDR8	
	Xm0DATA9	GPY6[1]	39	40	GPY4[1]	Xm0ADDR9	
	Xm0DATA10	GPY6[2]	41	42	GPY4[2]	Xm0ADDR10	
	Xm0DATA11	GPY6[3]	43	44	GPY4[3]	Xm0ADDR11	
	Xm0DATA12	GPY6[4]	45	46	GPY4[4]	Xm0ADDR12	
	Xm0DATA13	GPY6[5]	47	48	GPY4[5]	Xm0ADDR13	
	Xm0DATA14	GPY6[6]	49	50	GPY4[6]	Xm0ADDR14	
	Xm0DATA15	GPY6[7]	51	52	GPY4[7]	Xm0ADDR15	
	Xm0CSn0/NF_CSn2	GPY0[0]	53	54	GPY0[4]	Xm0OEn	
	Xm0CSn1/NF_CSn3	GPY0[1]	55	56	GPY0[5]	Xm0WEn	
GND	GND	-	57	58	-	GND	GND
GND	GND	-	59	60	-	GND	GND

CN4							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
POWER	MAIN_BAT	-	1	2	-	MAIN_BAT	POWER
	MAIN_BAT	-	3	4	-	MAIN_BAT	
	MAIN_BAT	-	5	6	-	MAIN_BAT	
	LDO17	-	7	8		LDO19	
	LDO21	-	9	10		LDO20	
	PVDD BUCK6	-	11	12		LDO18	
	PVDD BUCK6	-	13	14		LDO22	
	VDD RTC	-	15	16		LDO23	
	LDO5	-	17	18		LDO23	
	LDO13	-	19	20		LDO24	
	LDO9	-	21	22		LDO24	
	LDO9	-	23	24		LDO25	
	LDO26	-	25	26		LDO25	
	LDO27	-	27	28		LDO3	
SYS Fn	32KHz_BT_OUT	-	29	30		LDO28	SYS Fn
	32KHz_CP_OUT	-	31	32		MRB	
	XnRESET	-	33	34		PWRON	
	XPWRRGTON	-	35	36		JIGON	
	XnRSTOUT	-	37	38		ACOKB	
	XnWRESET	-	39	40		PM_PS_HOLD	
SPI1	XspiCLK1/IEM_SCLK	GPB[4]	41	42	GPA0[0]	XuRXD0	UART0
	XspiCSn1/IEM_SPWI	GPB[5]	43	44	GPA0[1]	XuTXD0	
	XspiMISO1	GPB[6]	45	46	GPA0[2]	XuCTS0	
	XspiMOSI1	GPB[7]	47	48	GPA0[3]	XuRTSn0	
SPI0	XspiCLK0/I2CSDA4	GPB[0]	49	50	GPA1[4]	XuRXD3	UART3
	XspiCSn0/I2CSCL4	GPB[1]	51	52	GPA1[5]	XuTXD3	
	XspiMISO0/i2cSDA5	GPB[2]	53	54	GPA0[4]	XuRXD1	UART1
	XspiMOSI0/i2cSCL5	GPB[3]	55	56	GPA0[5]	XuTXD1	
GND	GND	-	57	58		GND	GND
GND	GND	-	59	60	-	GND	GND

CN5							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GND	GND	-	1	2	-	GND	GND
I2C1	Xi2cSCL1	GPD1[3]	3	4	GPA0[6]	i2cSDA2	I2C2
	Xi2cSDA1	GPD1[2]	5	6	GPA0[7]	i2cSCL2	
I2C0	Xi2cSCL0	GPD1[1]	7	8	GPA1[0]	XuRXD2	UART2
	Xi2cSDA0	GPD1[0]	9	10	GPA1[1]	XuTXD2	
GND	GND	-	11	12	GPA1[2]	i2cSDA3	I2C3
SYS FN	XOM3	-	13	14	GPA1[3]	i2cSCL3	
	XOM5	-	15	16	-	XOM1	SYS Fn
I2S1	Xi2sLRCK1	GPC0[2]	17	18	-	XOM2	
	Xi2sSDI1	GPC0[3]	19	20	GPD0[3]	XpwmTOUT3/i2cSCL7	PWM
	Xi2sSDO1	GPC0[4]	21	22	GPD0[2]	XpwmTOUT2/i2cSDA7	
	Xi2sSCLK1	GPC0[0]	23	24	GPD0[1]	XpwmTOUT1	
	Xi2sCDCLK1	GPC0[1]	25	26	GPD0[0]	XpwmTOUT0	
GND	GND	-	27	28	-	GND	
Interrupt	XEINT0	GPX0[0]	29	30	GPX0[1]	XEINT1	Interrupt
	XEINT2	GPX0[2]	31	32	GPX0[3]	XEINT3	
	XEINT4	GPX0[4]	33	34	GPX0[5]	XEINT5	
	XEINT6	GPX0[6]	35	36	GPX0[7]	XEINT7	
	XEINT8	GPX1[0]	37	38	GPX1[1]	XEINT9	
	EINT10	GPX1[2]	39	40	GPX1[5]	XEINT13	
	XEINT12	GPX1[4]	41	42	GPX1[7]	XEINT15	
	XEINT14	GPX1[6]	43	44	GPX2[1]	XEINT17	
	XEINT16	GPX2[0]	45	46	GPX2[3]	XEINT19	
	XEINT18	GPX2[2]	47	48	GPX2[5]	XEINT21	
	XEINT20	GPX2[4]	49	50	GPX2[7]	XEINT23	
	XEINT22	GPX2[6]	51	52	GPX3[1]	XEINT25	
	XEINT24	GPX3[0]	53	54	GPX3[3]	XEINT27	
	XEINT28	GPX3[4]	55	56	GPX3[5]	XEINT29	
	XEINT30	GPX3[6]	57	58	GPX3[7]	XEINT31	
GND	GND	-	59	60	-	GND	GND

CN6							
기능	핀 이름	GPIO	핀 번호		GPIO	핀 이름	기능
GND	GND	-	1	2	-	GND	GND
EBI	Xm0CSn2	GPY0[2]	3	4	GPY1[2]	Xm0WAITn	EBI
	Xm0CSn3	GPY0[3]	5	6	GPY1[3]	Xm0DATA_RDn	
GND	GND	-	7	8	-	GND	GND
MMC3	Xmmc3CLK	GPK3[0]	9	10	GPK2[0]	Xmmc2CLK	MMC2
	Xmmc3CMD	GPK3[1]	11	12	GPK2[1]	Xmmc2CMD	
	Xmmc3CDn	GPK3[2]	13	14	GPK2[2]	Xmmc2CDn	
	Xmmc3DATA0	GPK3[3]	15	16	GPK2[3]	Xmmc2DATA0	
	Xmmc3DATA1	GPK3[4]	17	18	GPK2[4]	Xmmc2DATA1	
	Xmmc3DATA2	GPK3[5]	19	20	GPK2[5]	Xmmc2DATA2	
	Xmmc3DATA3	GPK3[6]	21	22	GPK2[6]	Xmmc2DATA3	
GND	GND	-	23	24	-	GND	GND
GPS	XGNSS_GPIO_0	GPL2[0]	25	26	GPK0[2]	Xmmc0CDn	GPS
	XGNSS_GPIO_1	GPL2[1]	27	28	GPK1[2]	Xmmc1CDn	
	XGNSS_GPIO_2	GPL2[2]	29	30	GPL2[7]	XGNSS_GPIO_7	
	XGNSS_GPIO_3	GPL2[3]	31	32	GPL1[0]	XGNSS_SCL	
GND	XGNSS_GPIO_4	GPL2[4]	33	34	GPL1[1]	XGNSS_SDA	
	XGNSS_GPIO_5	GPL2[5]	35	36			
	XGNSS_GPIO_6	GPL2[6]	37	38			
SYS Fn	XjTRSTn	ETC0[0]	39	40	ETC0[3]	XjTDI	SYS Fn
	XjTMS	ETC0[1]	41	42	ETC0[4]	XjTDO	
	XuhPWREN	-	43	44	ETC0[2]	XjTCK	
HSIC	XuhOVERCUR	-	45	46		XuoDRVVBUS	USB OTG
	XhsicSTROBE0	-	47	48	-	XuoID	
	XhsicDATA0	-	49	50	-	XuoVBUS	
GND	GND	-	51	52	-	GND	GND
HSIC	XhsicSTROBE1	-	53	54	-	XuoDP	USB OTG
	XhsicSDATA1	-	55	56	-	XuoDM	
GND	GND	-	57	58	-	GND	GND
GND	GND	-	59	60	-	GND	GND