

Module I/O	Type	7312	7409	9312
<b>AUDIO</b>				
Chip Reset	Output	PE0	PE0 (GPIO3)	PE0 (EGPIO6)
Pop Mute	Output	PB1	PB1 (GPIO6)	PB1 (SLA1)
SCL	Output	SCL (PD5)	SCL (EECLK)	SCL (EECLK)
SDA	I/O	SDA (PD4)	SDA (EEDAT)	SDA (EEDAT)
BUZ	Output	BUZ	BUZ (DAIMCLK)	BUZ (nARST)
EXTCLK	Input	EXTCLK (SSIRXFR)	X	X
SCLK	Output	SCLK (SSILK)	SCLK (DAISCLK)	SCLK (SCLK0)
SDTX	Output	SDTX (SSITXDA)	SDTX (DAIRX)	SDTX (SSPTX)
SDRX	Input	SDRX (SSIRXDA)	SDRX (DAIRX)	SDRX (SSPRX)
SYNC	Output	SYNC (SSITXFR)	SYNC (DAIRLCK)	SYNC (SFRM0)
TXD2	Output	TXD2	X	TXD2
RXD2	Input	RXD2	X	RXD2
PWMR	Output	X	PWMR	X
PWML	Output	X	PWML	X
PWMRVDD	Supply	X	PWMRVDD	X
PWMLVDD	Supply	X	PWMLVDD	X
PWMRGND	Ground	X	PWMRGND	X
PWMLGND	Ground	X	PWMLGND	X
<b>Ethernet</b>				
Chip Select	Output	nCS1	X	X
Interrupt	Input	EINT3	X	X
Expansion Ready	Input	EXPRDY	X	X
Data Bus	I/O	BF_D[0:15]	X	X
Address Bus	Output	BF_A[0:3]	X	X
Write Enable	Output	BF_MWE	X	X
Read Enable	Output	BF_MOE	X	X
Reset		nURESET	X	X
MDIO	I/O	X	X	MDIO
MDC	Output	X	X	MDC
MIIRXD3	Input	X	X	MIIRXD3
MIIRXD2	Input	X	X	MIIRXD2
MIIRXD1	Input	X	X	MIIRXD1
MIIRXD0	Input	X	X	MIIRXD0
MIITXD3	Output	X	X	MIITXD3
MIITXD2	Output	X	X	MIITXD2
MIITXD1	Output	X	X	MIITXD1
MIITXD0	Output	X	X	MIITXD0
TXERR	Output	X	X	TXERR
TXEN	Output	X	X	TXEN
TXCLK	Input	X	X	TXCLK
RXERR	Input	X	X	RXERR
RXDVAL	Input	X	X	RXDVAL
RXCLK	Input	X	X	RXCLK
CLD	Input	X	X	CLD
CRS	Input	X	X	CRS
<b>USB</b>				
Suspend	Input??	PE1	X	X

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Chip Select	Output	nCS4	X	X
Interrupt	Input	nEINT1	X	X
Data Bus	I/O	BF_D[0:7]	X	X
Address Bus	Output	BF_A[0:4]	X	X
Write Enable	Output	BF_MWE	X	X
Read Enable	Output	BF_MOE	X	X
Reset		nURESET	X	X
USB_Sense	Input	X	VIN0	X
USBp2	I/O	X	X	USBp2
USBm2	I/O	X	X	USBm2
USBp0	I/O	X	USBp0 (USBp)	USBp0
USBm0	I/O	X	USBm0 (USBn)	USBm0
USBp1	I/O	X	X	USBp1
USBm1	I/O	X	X	USBm1
<b>Memory</b>				
Interrupt (1) [Media Change for Compact Flash]	Input	nEINT1	nEINT1 (GPIO5)	nEINT1
Interrupt (2) [Card Generated for Compact Flash] {Media Change for MMC}	Input	EINT3	EINT3 (GPIO4)	EINT3
Card Detect (J600) {MMC}	Input	MMI_11	MMI_11	MMI_11
CMD(J600) {MMC}	I/O	PD1	PD1 (GPIO1)	PD1 (EGPIO12)
CLK(J600) {MMC}	Output	PD0	PD0 (GPIO0)	PD0 (EGPIO11)
DAT(J600) {MMC}				
Card Detect [CF]	I/O	PD2	PD2 (GPIO2)	PD2 (EGPIO13)
Card Detect (J605) {MMC}	Input	MMI_12	MMI_12	MMI_12
CLK(J605) {MMC}				
RESET [CF]	Output	PB4	PB4 (SPICLK)	PB4 (EGPIO8)
CMD(J605) {MMC}				
VCC Control [CF]	I/O	PB5	PB5 (SPITXD)	PB5 (EGPIO9)
DAT(J605) {MMC}	I/O	PB6	PB6 (SPIRXD)	PB6 (EGPIO10)
VCC_MCC Enable {MMC}	Output	MMO_0	MMO_0	MMO_0
Chip Select {MMC} & [CF]	Output	nCS2	nCS2	nCS2
Expansion Ready [CF]	Input	EXPRDY	SPIFRM (JP219)	EXPRDY
Data Bus	I/O	BF_D[0:15]	BF_D[0:15]	BF_D[0:15]
Write Enable	Output	BF_MWE	BF_MWE	BF_MWE
Read Enable	Output	BF_MOE	BF_MOE	BF_MOE

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<b>9312 LCD Connectors</b>				
SCL	Output	SCL (P)	SCL (EECLK)	SCL (EECLK)
SDA	I/O	SDA (EEDAT)	SDA (EEDAT)	SDA (EEDAT)
SPCLK	I/O	X	X	SPCLK
HSYYNC	Output	X	X	HSYYNC
V/CSYNC	Output	X	X	V/CSYNC
BLANK	Output	X	X	BLANK
BRIGHT	Output	X	X	BRIGHT
(touch screen) Xp	Output	X	X	Xp
(touch screen) Xm	Output	X	X	Xm
(touch screen) Yp	Output	X	X	Yp
(touch screen) Ym	Output	X	X	Ym
(touch screen) sXp	Input	X	X	sXp
(touch screen) sXm	Input	X	X	sXm
(touch screen) sYp	Input	X	X	sYp
(touch screen) sYm	Input	X	X	sYm
(touch screen) CDACO	Output	X	X	CDACO
nURESET		X	X	
Pixel Data Bus	Output	X	X	P[0:17]
ROW Bus	Output	X	X	Row[0:7]
COL Bus	Input	X	X	Col[0:7]
<b>7312 LCD Connector</b>				
Chip Select	Output	nCS3	X	X
Address Bus	Output	BF_A4	X	X
Data Bus	I/O	BF_D[0:7]	X	X
Interrupt	Input	nEINT2	X	X
Undefined I/O	I/O	PE2	X	X
Undefined I/O	I/O	PA6	X	X
Undefined I/O	I/O	PA7	X	X
Undefined I/O	Output	MMO_4	X	X
Undefined I/O	Output	MMO_5	X	X
Reset		nURESET	X	X
AC Bias Drive	Output	M	X	X
Frame Sync	Output	FRM	X	X
Line Clock	Output	CL1	X	X
Pixel Clock	Output	CL2	X	X
LCD Data Bus	I/O	LCDD[0:3]	X	X
PWM Feedback	Input	FB1	X	X
PWM Drive	Output	DRIVE1	X	X
RXD2	Input	RXD2	X	X
TXD2	Output	TXD2	X	X
ADC Chip Select	Output	nADCCS	X	X
ADC Serial Data In	Input	ADCIN	X	X
ADC Serial Clock	Output	ADCCLK	X	X
ADC Serial Data Out	Output	ADCOUT	X	X

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<b>PCMCIA</b>				
SCL	Output	PD5	X	PD5 (EECLK)
SDA	I/O	PD4	X	PD4 (EEDAT)
SLA0	Output	PB2	X	PB2 (SLA0)
8_16_SELECT	Output	MMO_2	X	MMO_2
CARD_DETECT	Input	MMI_4	X	MMI_4
VS1	Input	MMI_0	X	MMI_0
VS2	Input	MMI_1	X	MMI_1
IOIS16	Input	MMI_2	X	MMI_2
REG	Output	MMO_1	X	MMO_1
RESET	Output	PB0	X	PB0 (EGPIO14)
INPACK	Input	MMI_3	X	MMI_3
EXPRDY	Input	EXPRDY	X	EXPRDY
Interrupt(1) (not used)	Input	nEINT2	X	nEINT2
nIO_SELECT	Output	MMO_3	X	MMO_3
Chip Select	Output	nCS3(A25)	X	nCS3(A25)
READY	Input	MMI_5	X	MMI_5
Interrupt(2) (I/O Mode)	Input	nXINT0	nXINT0	nXINT0
Address Bus	Output	BF_A[0:25]	BF_A[0:19]	BF_A[0:25]
Data Bus	I/O	BF_D[0:15]	BF_D[0:15]	BF_D[0:15]
Write Enable	Output	BF_MWE	BF_MWE	BF_MWE
Read Enable	Output	BF_MOE	BF_MOE	BF_MOE
Interrupt(3)		X	X	X
Memory Read Strobe	Output	X	X	nCOE (nMCRD)
Memory Write Strobe	Output	X	X	nCWE (nMCWR)
Lower Byte Select	Output	X	X	nCCE1
Card Detect (1)	Input	X	X	nCCD1 (MCD1)
Upper Byte Select	Output	X	X	nCCE2
Ready/Interrupt Input	Input	X	X	CRDY (READY)
I/O Write Strobe	Output	X	X	nCIOWR (nIOWR)
I/O Read Strobe	Output	X	X	nCIORD (nIORD)
Battery Voltage (2)	Input	X	X	BVD2 (MCBVD2)
Battery Voltage (1)	Input	X	X	BVD1 (MCBVD2)
Card Detect (2)	Input	X	X	nCCD2 (MCD2)
Voltage Sense (2)	Input	X	X	CCVS2 (VS2)
Extend Bus Cycle	Input	X	X	nMCWAIT
Voltage Sense (1)	Input	X	X	CCVS1 (VS1)
WriteProtect / Bus Size	Input	X	X	nCWP (WP)
Data Direction Control	Output	X	X	MCDIR
Data Buffer Enable	Output	X	X	nMCDAEN
Address Buffer Enable	Output	X	X	nMCADEN
Card Reset	Output	X	X	CRESET
Register Select	Output	X	X	nCREG
nCS4RD	Output	X	nCS4RD	X
nCS4WR	Output	X	nCS4WR	X
<b>"AA" Battery Supply</b>				
2.0V Detect	Input	MMI_6	MMI_6	MMI_6
2.5V Detect	Input	MMI_7	MMI_7	MMI_7

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<b>Li-Ion Battery Supply</b>				
3.6V Detect	Input	MMI_9	MMI_9	MMI_9
3.8V Detect	Input	MMI_8	MMI_8	MMI_8
Charge Status	Input	MMI_10	MMI_10	MMI_10
<b>IDE</b>				
Chip Select	Output	nCS5	X	
Interrupt	Input	nEINT2	X	
Expansion Clock	Output	EXPCLK	X	
Reset		nURESET	X	
Address Bus	Output	BF_A[0:3]	X	
Data Bus	I/O	BF_D[0:15]	X	
Write Enable	Output	BF_MWE	X	
Read Enable	Output	BF_MOE	X	
Extend Bus Cycle	Input	EXPRDY	X	
<b>Sieko LCD</b>				
VLCD Enable	Output	MMO_4	MMO_4	MMO_4
Display Enable	Output	MMO_5	MMO_5	MMO_5
AC Bias Drive	Output	M	X	X
Frame Sync	Output	FRM	X	X
Line Clock	Output	CL1	X	X
Pixel Clock	Output	CL2	X	X
LCD Data Bus	I/O	LCDD[0:3]	X	X
<b>Keypad</b>				
ROW0	Input	PA0		ROW0
ROW1	Input	PA1		ROW1
ROW2	Input	PA2		ROW2
ROW3	Input	PA3		ROW3
ROW4	Input	PA4		ROW4
ROW5	Input	PA5		ROW5
ROW6	Input	X		X
ROW7	Input	X		X
COL0	Output	COL0	Tied to Vcc	COL0
COL1	Output	COL1	Tied to Vcc	COL1
COL2	Output	COL2	Tied to Vcc	COL2
<b>I/O Expansion</b>				
Chip Select		nCS3(A22,A23)	nCS3(A17,A18)	nCS3(A22,A23)
<b>Interrupt Expansion</b>				
Chip Select		nCS3(A24)	nCS3(A19)	nCS3(A24)
Latch Enable		PB3	PB3 (GPIO6)	PB3 (GPIO0)
<b>IR Receiver</b>				
Data Out	Input	CTS	CTS	CTS