Microcontroller pin usage on EVK1100

Pin	GPIO	Function A	Function B	Function C	EVK1100	
PA00	0	USART0 - RXD	TC - CLK0		USART_0 - RXD	
PA01	1	USART0 - TXD	TC - CLK1		USART_0 - TXD	
PA02	2	USART0 - CLK	TC - CLK2		SPI1 - SPI_CARDDETECT[SD/MMC]	
PA03	3	USART0 - RTS	EIM - EXTINT[4]	DAC - DATA[0]	USART_0 - RTS	
PA04	4	USART0 - CTS	EIM - EXTINT[5]	DAC - DATAN[0]	USART_0 - CTS	
PA05	5	USART1 - RXD	PWM - PWM[4]		USART_1 - RXD	
PA06	6	USART1 - TXD	PWM - PWM[5]		USART_1 - TXD	
PA07	7	USART1 - CLK	PM - GCLK[0]	SPI0 - NPCS[3]	SPI1 - SPI_WRITEPROTECT[SD/MMC]	
PA08	8	USART1 - RTS	SPI0 - NPCS[1]	EIM - EXTINT[7]	USART_1 - RTS	
PA09	9	USART1 - CTS	SPI0 - NPCS[2]	MACB - WOL	USART_1 - CTS	
PA10	10	SPI0 - NPCS[0]	EIM - EXTINT[6]		SPI - SPI0_CS0	
PA11	11	SPI0 - MISO	USB - USB_ID		USB - USB_ID	SPI - SPI0_MISO
PA12	12	SPI0 - MOSI	USB - USB_VBOF		SPI - SPI0_MOSI	
PA13	13	SPI0 - SCK			SPI - SPI0_SCK	
PA14	14	SSC - TX_FRAME_SYNC	SPI1 - NPCS[0]	EBI - NCS[0]	SPI1 - CS0[DATAFLASH]	
PA15	15	SSC - TX_CLOCK	SPI1 - SCK	EBI - ADDR[20]	SPI1 - SCK	
PA16	16	SSC - TX_DATA	SPI1 - MOSI	EBI - ADDR[21]	SPI1 - MOSI	
PA17	17	SSC - RX_DATA	SPI1 - MISO	EBI - ADDR[22]	SPI1 - MISO	
PA18	18	SSC - RX_CLOCK	SPI1 - NPCS[1]	MACB - WOL	SPI1 - CS1[SD/MMC]	
PA19	19	SSC - RX_FRAME_SYNC	SPI1 - NPCS[2]		SPI1 - CS2[LCD]	
PA20	20	EIM - EXTINT[8]	SPI1 - NPCS[3]		JOYSTICK - EXTINT	
PA21	21	ADC - AD[0]	EIM - EXTINT[0]	USB - USB_ID	SENSORS - TEMP	
PA22	22	ADC - AD[1]	EIM - EXTINT[1]	USB - USB_VBOF	SENSORS - POT	
PA23	23	ADC - AD[2]	EIM - EXTINT[2]	DAC - DATA[1]	SENSORS - LIGHT	
PA24	24	ADC - AD[3]	EIM - EXTINT[3]	DAC - DATAN[1]		
PA25	25	ADC - AD[4]	EIM - SCAN[0]	EBI - NCS[0]	JOYSTICK - A	
PA26	26	ADC - AD[5]	EIM - SCAN[1]	EBI - ADDR[20]	JOYSTICK - B	
PA27	27	ADC - AD[6]	EIM - SCAN[2]	EBI - ADDR[21]	JOYSTICK - C	
PA28	28	ADC - AD[7]	EIM - SCAN[3]	EBI - ADDR[22]	JOYSTICK - D	
PA29	29	TWI - SDA	USART2 - RTS		TWI - SDA	
PA30	30	TWI - SCL	USART2 - CTS		TWI - SCL	
PB00	32	MACB - TX_CLK	USART2 - RTS	USART3 - RTS	ETH - REF_CLK	
PB01	33	MACB - TX_EN	USART2 - CTS	USART3 - CTS	ETH - TX_EN	
PB02	34	MACB - TXD[0]	DAC - DATA[0]		ETH - TX0	
PB03	35	MACB - TXD[1]	DAC - DATAN[0]		ETH - TX1	

PB04	36	MACB - CRS	USART3 - CLK	EBI - NCS[3]	NEXUS - MSEO1	
PB05	37	MACB - RXD[0]	DAC - DATA[1]		ETH - RX0	
PB06	38	MACB - RXD[1]	DAC - DATAN[1]		ETH - RX1	
PB07	39	MACB - RX_ER			ETH - RX_ER	
PB08	40	MACB - MDC			ETH - MDC	
PB09	41	MACB - MDIO			ETH - MDIO	
PB10	42	MACB - TXD[2]	USART3 - RXD	EBI - SDCK	SDRAM - SDCK	NEXUS - MD00
PB11	43	MACB - TXD[3]	USART3 - TXD	EBI - SDCKE	SDRAM - SDCKE	NEXUS - MD01
PB12	44	MACB - TX_ER	TC - CLK0	EBI - RAS	SDRAM - RASn	NEXUS - MD02
PB13	45	MACB - RXD[2]	TC - CLK1	EBI - CAS	SDRAM - CASn	NEXUS - MD03
PB14	46	MACB - RXD[3]	TC - CLK2	EBI - SDWE	SDRAM - SDWEn	NEXUS - MD04
PB15	47	MACB - RX_DV			ETH - RX_DV	
PB16	48	MACB - COL	USB - USB_ID	EBI - SDA10	SDRAM - SDA10	NEXUS - MD05
PB17	49	MACB - RX_CLK	USB - USB_VBOF	EBI - ADDR[23]	Host VBUS /EN	NEXUS - MSEO0
PB18	50	MACB - SPEED	ADC - TRIGGER	PWM - PWM[6]	LCD - C	
PB19	51	PWM - PWM[0]	PM - GCLK[0]	EIM - SCAN[4]	LED - LED4	NEXUS - EVTIn
PB20	52	PWM - PWM[1]	PM - GCLK[1]	EIM - SCAN[5]	LED - LED5	NEXUS - EVTO
PB21	53	PWM - PWM[2]	PM - GCLK[2]	EIM - SCAN[6]	LED - LED6	NEXUS - MCKO
PB22	54	PWM - PWM[3]	PM - GCLK[3]	EIM - SCAN[7]	LED - LED7	
PB23	55	TC - A0	USART1 - DCD		USART_1 - DCD	
PB24	56	TC - B0	USART1 - DSR		USART_1 - DSR	
PB25	57	TC - A1	USART1 - DTR		USART_1 - DTR	
PB26	58	TC - B1	USART1 - RI		USART_1 - RI	
PB27	59	TC - A2	PWM - PWM[4]		LED - LED0	
PB28	60	TC - B2	PWM - PWM[5]		LED - LED1	
PB29	61	USART2 - RXD	PM - GCLK[1]	EBI - NCS[2]	LED - LED2	
PB30	62	USART2 - TXD	PM - GCLK[2]	EBI - SDCS	LED - LED3	
PB31	63	USART2 - CLK	PM - GCLK[3]	EBI - NWAIT		
PC00	64					
PC01	65					
PC02	66					
PC03	67					
PC04	68					
PC05	69					
PX00	100	EBI - DATA[10]	USART0 - RXD		SDRAM - D10	
PX01	99	EBI - DATA[9]	USART0 - TXD		SDRAM - D9	
PX02	98	EBI - DATA[8]	USART0 - CTS		SDRAM - D8	
PX03	97	EBI - DATA[7]	USART0 - RTS		SDRAM - D7	

PX04	96	EBI - DATA[6]	USART1 - RXD		SDRAM - D6	
PX05	95	EBI - DATA[5]	USART1 - TXD		SDRAM - D5	
PX06	94	EBI - DATA[4]	USART1 - CTS		SDRAM - D4	
PX07	93	EBI - DATA[3]	USART1 - RTS		SDRAM - D3	
PX08	92	EBI - DATA[2]	USART3 - RXD		SDRAM - D2	
PX09	91	EBI - DATA[1]	USART3 - TXD		SDRAM - D1	
PX10	90	EBI - DATA[0]	USART2 - RXD		SDRAM - D0	
PX11	109	EBI - NWE1	USART2 - TXD		SDRAM - DQM1	
PX12	108	EBI - NWE0	USART2 - CTS			
PX13	107	EBI - NRD	USART2 - RTS			
PX14	106	EBI - NCS[1]	TC - A0		SDRAM - CS1n	
PX15	89	EBI - ADDR[19]	USART3 - RTS	TC - B0		
PX16	88	EBI - ADDR[18]	USART3 - CTS	TC - A1	PUSHBUTTON - USW1	
PX17	87	EBI - ADDR[17]	TC - B1		SDRAM - A17	
PX18	86	EBI - ADDR[16]	TC - A2		SDRAM - A16	
PX19	85	EBI - ADDR[15]	EIM - SCAN[0]	TC - B2	PUSHBUTTON - USW2	
PX20	84	EBI - ADDR[14]	EIM - SCAN[1]	TC - CLK0	SDRAM - A14	
PX21	83	EBI - ADDR[13]	EIM - SCAN[2]	TC - CLK1	SDRAM - A13	
PX22	82	EBI - ADDR[12]	EIM - SCAN[3]	TC - CLK2	PUSHBUTTON - USW3	
PX23	81	EBI - ADDR[11]	EIM - SCAN[4]		SDRAM - A11	
PX24	80	EBI - ADDR[10]	EIM - SCAN[5]		SDRAM - A10	
PX25	79	EBI - ADDR[9]	EIM - SCAN[6]		SDRAM - A9	
PX26	78	EBI - ADDR[8]	EIM - SCAN[7]		SDRAM - A8	
PX27	77	EBI - ADDR[7]	SPI0 - MISO		SDRAM - A7	
PX28	76	EBI - ADDR[6]	SPI0 - MOSI		SDRAM - A6	
PX29	75	EBI - ADDR[5]	SPI0 - SCK		SDRAM - A5	
PX30	74	EBI - ADDR[4]	SPI0 - NPCS[0]		SDRAM - A4	
PX31	73	EBI - ADDR[3]	SPI0 - NPCS[1]		SDRAM - A3	
PX32	72	EBI - ADDR[2]	SPI0 - NPCS[2]		SDRAM - A2	
PX33	71	EBI - ADDR[1]	SPI0 - NPCS[3]		Host VBUS Over Current Detect	
PX34	70	EBI - ADDR[0]	SPI1 - MISO		SDRAM - DQM0	
PX35	105	EBI - DATA[15]	SPI1 - MOSI		SDRAM - D15	
PX36	104	EBI - DATA[14]	SPI1 - SCK		SDRAM - D14	
PX37	103	EBI - DATA[13]	SPI1 - NPCS[0]		SDRAM - D13	
PX38	102	EBI - DATA[12]	SPI1 - NPCS[1]		SDRAM - D12	
PX39	101	EBI - DATA[11]	SPI1 - NPCS[2]		SDRAM - D11	