

xCORE Devices Port Maps: xCORE General Purpose, xCORE-USB and xCORE-Analog

This spreadsheet lists which links and ports are bonded out for each device
The rows below list all pin numbers (for pin XnDxx, replace n with the tile number)
For each pin, the function is listed in columns B-G.
Column B lists any link which this pin connects to, columns C-G lists ports.
Column H-T list pin availability for each device; greyed out cells are not available

							xCORE-USB Device Family	
							XS1-U6A-64-FB96 XS1-U8A-64-FB96	
							MFA Tile 0	
Pin	Link	Port						
		1bit	4bit	8bit	16bit	32bit		
XnD00		P1A0					I2S_SCLK/DSD_B/SPI_MISO	
XnD01	LA4o	P1B0					SPDIF_TX/SPI_SS	
XnD02	LA3o		P4A0	P8A0	P16A0	P32A20		
XnD03	LA2o		P4A1	P8A1	P16A1	P32A21		
XnD04	LA1o		P4B0	P8A2	P16A2	P32A22		
XnD05	LA0o		P4B1	P8A3	P16A3	P32A23		
XnD06	LA0i		P4B2	P8A4	P16A4	P32A24		
XnD07	LA1i		P4B3	P8A5	P16A5	P32A25		
XnD08	LA2i		P4A2	P8A6	P16A6	P32A26		
XnD09	LA3i		P4A3	P8A7	P16A7	P32A27		
XnD10	LA4i	P1C0					SCL/SPI_SCK	
XnD11		P1D0					DAC_DATA/DSD_A/SPI_MOSI	
XnD12		P1E0					MCLK_XCORE	
XnD13	LB4o	P1F0					MIDI_IN	
XnD14	LB3o		P4C0	P8B0	P16A8	P32A28	DAC_RST_N	
XnD15	LB2o		P4C1	P8B1	P16A9	P32A29	ADC_RST_N	
XnD16	LB1o		P4D0	P8B2	P16A10		DEVICE_DETECT	
XnD17	LB0o		P4D1	P8B3	P16A11		BUTTON_A	
XnD18	LB0i		P4D2	P8B4	P16A12		BUTTON_B	
XnD19	LB1i		P4D3	P8B5	P16A13		SWITCH_IP	
XnD20	LB2i		P4C2	P8B6	P16A14	P32A30	DSD_MODE_EN	
XnD21	LB3i		P4C3	P8B7	P16A15	P32A31		
XnD22	LB4i	P1G0					SDA	
XnD23		P1H0						
XnD24		P1I0					LRCLK/DSD_CLK	
XnD25		P1J0						
XnD26			P4E0	P8C0	P16B0			
XnD27			P4E1	P8C1	P16B1			
XnD28			P4F0	P8C2	P16B2			
XnD29			P4F1	P8C3	P16B3			
XnD30			P4F2	P8C4	P16B4			
XnD31			P4F3	P8C5	P16B5			
XnD32			P4E2	P8C6	P16B6			
XnD33			P4E3	P8C7	P16B7			
XnD34		P1K0						
XnD35		P1L0					ADC_DATA	
XnD36		P1M0		P8D0	P16B8			
XnD37		P1N0		P8D1	P16B9			
XnD38		P1O0		P8D2	P16B10			
XnD39		P1P0		P8D3	P16B11			
XnD40				P8D4	P16B12			
XnD41				P8D5	P16B13			
XnD42				P8D6	P16B14			
XnD43				P8D7	P16B15		MIDI_OUT	
XnD49	LC4o					P32A0	SS_EN_CTRL	
XnD50	LC3o					P32A1	MCLK_FSEL	
XnD51	LC2o					P32A2	APS_EN(5VA_EN)	
XnD52	LC1o					P32A3	LED_A	
XnD53	LC0o					P32A4	LED_B	
XnD54	LC0i					P32A5	USB_SEL_1	
XnD55	LC1i					P32A6	USB_SEL_2	
XnD56	LC2i					P32A7	CO_PROC_RST	
XnD57	LC3i					P32A8	ACC_DET_EN	
XnD58	LC4i					P32A9	AUDIO_MUTE	
XnD61	LD4o					P32A10	VBUS_OUT_EN_N	
XnD62	LD3o					P32A11		
XnD63	LD2o					P32A12		
XnD64	LD1o					P32A13	XL_UP1	
XnD65	LD0o					P32A14	XL_UP0	
XnD66	LD0i					P32A15	XL_DN0	
XnD67	LD1i					P32A16	XL_DN1	
XnD68	LD2i					P32A17		
XnD69	LD3i					P32A18		
XnD70	LD4i					P32A19		

ADC0		
ADC1		
ADC2		
ADC3		
ADC4		
ADC5		
ADC6		
ADC7		