Arduino MKR Vidor 4000 Pinmapping

Input the FPGA pins into the intel quartus prime software for Arduino, hdmi, mipi or PCI pins

FPGA	Arduino	Functions
Pin_G1	D0	
Pin_N3	D1	
Pin_P3	D2	PWM
Pin_R3	D3	PWM
Pin_T3	D4	PWM
Pin_T2	D5	PWM
Pin_G16	D6	
Pin_G15	D7	
Pin_F16	D8	MOSI
Pin_F15	D9	SCK
Pin_C16	D10	MISO
Pin_C15	D11	SDA
Pin_B16	D12	SCL
Pin_C11	D13	RX
Pin_A13	D14	TX
Pin_C2	A0	DAC
Pin_C3	A1	
Pin_C6	A2	
Pin_D1	A3	
Pin_D3	A4	
Pin_F3	A5	
Pin_G2	A6	
Pin_E2	GCLK	FPGA_Clock

FPGA	HDMI	Functions
Pin_M16	1	Panel_HPD
NC	2	Gnd
Pin_R16	3	PANEL_TX2P
NC	4	Gnd
Pin_P16	5	PANEL_TX2N
Pin_K15	6	PANEL_TX1P
NC	7	Gnd
Pin_K16	8	PANEL_TX1N
Pin_J15	9	PANEL_TX0P
NC	10	Gnd
Pin_J16	11	PANEL_TX0N
Pin_N15	12	PANEL_CLKP
NC	13	Gnd
Pin_N16	14	PANEL_CLKN
NC	15	NC
NC	16	Gnd
NC	17	PANEL_SCL
NC	18	PANEL_SDA

FPGA	PCI	Functions
Pin_R10	PCI_1	
NC	PCI_2	3,3V
Pin_P11	PCI_3	
NC	PCI_4	Gnd
Pin_R11	PCI_5	
Pin_P8	PCI_6	
Pin_M6	PCI_7	
Pin_L7	PCI_8	
NC	PCI_9	Gnd
Pin_N8	PCI_10	
Pin_T8	PCI_11	
Pin_M8	PCI_12	
Pin_R8	PCI_13	
Pin_L8	PCI_14	
NC	PCI_15	Gnd
Pin_M10	PCI_16	
NC	PCI_17	NINA_MDIO
NC	PCI_18	Gnd
NC	PCI_19	NINA_MDCLK
Pin_N12	PCI_20	
NC	PCI_21	Gnd
NC	PCI_22	3,3V + Res
Pin_T9	PCI_23	
NC	PCI_24	3,3V
Pin_R9	PCI_25	
NC	PCI_26	Gnd
NC	PCI_27	Gnd
Pin_T13	PCI_28	
NC	PCI_29	Gnd
NC	PCI_30	3,3V + Res
Pin_A9	PCI_31	
NC	PCI_32	3,3V + Res
Pin_B9	PCI_33	
NC	PCI_34	Gnd
NC	PCI_35	Gnd
NC	PCI_36	USB_DM
NC	PCI_37	Gnd
NC	PCI_38	USB_DP
NC	PCI_39	3,3V
NC	PCI_40	Gnd
NC	PCI_41	3,3V
Pin_R13	PCI_42	
NC	PCI_43	Gnd
Pin_P14	PCI_44	

NC	19	5V
NC	20	Gnd
NC	21	Gnd
NC	22	Gnd
NC	23	Gnd

FPGA	MIPI Cam	Functions
NC	1	Gnd
Pin_L1	2	MIPI_D0N
Pin_L2	3	MIPI_D0P
NC	4	Gnd
Pin_J1	5	MIPI_D1N
Pin_J2	6	MIPI_D1P
NC	7	Gnd
Pin_M2	8	MIPI_CLKP
Pin_M1	9	MIPI_CLKN
NC	10	Gnd
Pin_M7	11	MIPI_GP0
Pin_P9	12	MIPI_GP1
Pin_P1	13	MIPI_SCL
Pin_P2	14	MIPI_SDA
NC	15	3,3V

Pin_T15	PCI_45	
Pin_R14	PCI_46	
Pin_T14	PCI_47	
Pin_F14	PCI_48	
Pin_D16	PCI_49	
NC	PCI_50	Gnd
Pin_D15	PCI_51	
NC	PCI_52	3,3V