

Header	Pin No	Name	Type / k64f Pin	GPIO	Interrupt	A/D	D/A	PWM	UART	QC	SPI	CAPTURE	COMP	I2S	CAN
J1	1	Freeform Proprietary k64f (Pin 64)		PTB8				FTM2_CH0						I2SD_TX_BCLK	CAN0_TX
	2	Arduino Uno R3 k64f (Pin 90)	PTC16						UART3_RX						
	3	Freeform Proprietary k64f (Pin 65)	PTB9					FTM2_CH1						I2SD_TX_FS	CAN0_RX
	4	Arduino Uno R3 k64f (Pin 91)	PTC17						UART3_TX						
	5	Freeform Proprietary k64f (Pin 71)	PTC1	LLWU_P6	ADDC_SE15			FTM0_CH0	UART1_RTS_b		SPD_PC33			I2SD_TXD0	
	6	Arduino Uno R3 k64f (Pin 57)	PTB9						UART3_CTS_b		SPI1_PC31				
	7	Freeform Proprietary k64f (Pin 66)	PTC8		ADCL_SE4b			FTM3_CH4					COMP0_IN2	I2SD_MCLK	
	8	Arduino Uno R3 k64f (Pin 95)	PTA1					FTM0_CH6	UART0_RX						
	9	Freeform Proprietary k64f (Pin 84)	PTC9		ADCL_SE5b			FTM3_CH5					COMP0_IN3	I2SD_RX_BCLK	
	10	Arduino Uno R3 k64f (Pin 68)	PTB23								SPD_PC35				
	11	Freeform Proprietary k64f (Pin 70)	PTC0		ADDC_SE14						SPD_PC34			I2SD_TXD5	
	12	Arduino Uno R3 k64f (Pin 36)	PTA2					FTM0_CH7	UART0_TX						
	13	Freeform Proprietary k64f (Pin 79)	PTC7								SPD_SIN		COMP0_IN1	I2SD_RX_FS	
	14	Arduino Uno R3 k64f (Pin 72)	PTC2		ADDC_SE4b			FTM0_CH1	UART1_CTS_b		SPD_PC32		COMP1_IN0	I2SD_TX_FS	
	15	Freeform Proprietary k64f (Pin 77)	PTC5	LLWU_P9				FTM0_CH2			SPD_SCK		COMP0_OUT	I2SD_RXD0	
J2	16	Arduino Uno R3 k64f (Pin 73)	PTC3	LLWU_P7				FTM0_CH2	UART3_RX		SPD_PC31		COMP1_IN1	I2SD_TX_BCLK	
	17	Freeform Proprietary k64f (Pin 33)	PTB26						UART4_CTS_b						
	18	Arduino Uno R3 k64f (Pin 94)	PTC12						UART4_RTS_b						
	19	Freeform Proprietary k64f (Pin 34)	PTC12												
	20	Arduino Uno R3 k64f (Pin 76)	PTC4					FTM0_CH3	UART1_TX		SPD_PC30		COMP1_OUT		
	21	Freeform Proprietary k64f (Pin 35)			ADCL_DP3										
	22	Freeform Proprietary k64f (Pin 35)			ADCL_DP0										
	23	Arduino Uno R3 k64f (Pin 55)	PTD0	LLWU_P12				FTM3_CH0	UART2_RTS_b		SPD_PC30				
	24	Freeform Proprietary k64f (Pin 120)			ADCL_DM3										
	25	Freeform Proprietary k64f (Pin 120)			ADCL_DM0										
	26	Arduino Uno R3 k64f (Pin 55)	PTD2					FTM3_CH2	UART2_RX	QCD_SCL	SPD_SOUT				
	27	N.C.													
	28	Arduino Uno R3 k64f (Pin 96)	PTD3					FTM3_CH3	UART2_TX	I2CD_SDA	SPD_SIN				
	29	Freeform Proprietary k64f (Pin 36)			ADCL_DP3										
	30	Freeform Proprietary k64f (Pin 36)			ADCL_DP0										
	31	Arduino Uno R3 k64f (Pin 94)	PTD1		ADDC_SE5b			FTM3_CH1	UART2_CTS_b		SPD_SCK				
	32	Freeform Proprietary k64f (Pin 111)			ADCL_DM3										
	33	Freeform Proprietary k64f (Pin 111)			ADCL_DM0										
J3	34	Arduino Uno R3 k64f (Pin 32)	PTD24		ADDC_SE17				UART4_TX	QCD_SCL					
	35	N.C.													
	36	N.C.													
	37	N.C.													
	38	Arduino Uno R3 k64f (Pin 32)	PTD24		ADDC_SE17				UART4_TX	QCD_SCL					
	39	N.C.													
	40	N.C.													
	41	N.C.													
	42	Arduino Uno R3 k64f (Pin 32)	PTD24		ADDC_SE17				UART4_TX	QCD_SCL					
	43	N.C.													
	44	N.C.													
	45	Arduino Uno R3 k64f (Pin 32)	PTD24		ADDC_SE17				UART4_TX	QCD_SCL					
	46	N.C.													
	47	N.C.													
J4	48	Arduino Uno R3 k64f (Pin 14)			ADCL_DP1										
	49	Arduino Uno R3 k64f (Pin 55)	PTB2		ADDC_SE12				UART0_RTS_b	I2CD_SCL					
	50	Freeform Proprietary k64f (Pin 15)			ADCL_DM1										
	51	Arduino Uno R3 k64f (Pin 56)	PTB1		ADDC_SE13				UART0_CTS_b	I2CD_SDA					
	52	Freeform Proprietary k64f (Pin 16)			ADCL_DP1										
	53	Arduino Uno R3 k64f (Pin 56)	PTB10		ADCL_SE14				UART3_RX		SPI1_PC30				
	54	Freeform Proprietary k64f (Pin 17)			ADCL_DM1										
	55	Arduino Uno R3 k64f (Pin 58)	PTB11		ADCL_SE15				UART3_TX		SPI1_SCK				
	56	Freeform Proprietary k64f (Pin 60)	PTB20								SPD_PC30		COMP0_OUT		
	57	Arduino Uno R3 k64f (Pin 83)	PTC11					FTM3_CH7		QCD_SDA				I2SD_RXD1	
	58	Freeform Proprietary k64f (Pin 27)			ADDC_SE23	DACD_out							COMP1_IN3		
	59	Arduino Uno R3 k64f (Pin 82)	PTC10					FTM3_CH6		QCD_SCL				I2SD_RX_FS	
RF	60	Freeform Proprietary GND													
	61	Freeform Proprietary 3V3													
	62	Freeform Proprietary k64f (Pin 84)	PTC13						UART4_RTS_b						
	63	Freeform Proprietary k64f (Pin 57)	PTD4					FTM0_CH4	UART0_RTS_b		SPD_PC30				
	64	Freeform Proprietary k64f (Pin 58)			ADDC_SE6b			FTM0_CH5	UART0_CTS_b		SPD_PC32				
	65	Freeform Proprietary k64f (Pin 99)	PTD6		ADDC_SE7b			FTM0_CH6	UART0_RX		SPD_SCK				
	66	Freeform Proprietary k64f (Pin 100)	PTD7					FTM0_CH7	UART0_TX		SPD_SIN				
	67	Freeform Proprietary k64f (Pin 85)	PTC18						UART3_RTS_b						
JV-MCU BT	68	Freeform Proprietary 3V3													
	69	Freeform Proprietary GND													
	70	Freeform Proprietary k64f (Pin 86)	PTC14						UART4_RX						
	71	Freeform Proprietary k64f (Pin 87)	PTC15						UART4_TX						

NXP Proprietary Signals
Arduino R3 Signals