

Pin Number	Pin Function				
	FM33A048	FM33A048B	FM33A048D	FM33A048EV	FM33A048EVB
1	PF3	PF3	PF3	PF3	PF3
	UART0_RX	UART0_RX	UART0_RX	UART0_RX	UART0_RX
		LPUART_RX	LPUART0_RX	LPUART0_RX	LPUART0_RX
			SAR_IN6		
2	PF4	PF4	PF4	PF4	PF4
	UART0_TX	UART0_TX	UART0_TX	UART0_TX	UART0_TX
		LPUART_TX	LPUART0_TX	LPUART0_TX	LPUART0_TX
3	PF5(NWKUP0)	PF5(WKUP0)	PF5(WKUP0)	PF5(WKUP0)	PF5(WKUP0)
	ACMP1_INN0	ACMP1_INN0	ACMP1_INN0	COMP1_INN1	COMP1_INN1
				QSPI_DQ2	SCL1
4	PF6	PF6	PF6	PF6	PF6
	ADC_IN5	ADC_IN5	ADC_IN5	ADC_IN5	ADC_IN5
	ACMP1_INP0	ACMP1_INP0	ACMP1_INP0	COMP1_INP1	COMP1_INP1
				QSPI_DQ1	SDA1
5	PF11	PF11	PF11	PF11	PF11
	SVS	SVS	SVS	SVS	SVS
			SAR_IN10		
6	PA0	PA0	PA0	PA0	PA0
	COM0	COM0	COM0	COM0	COM0
			UART4_RX	SPI2_SSN	SPI2_SSN
7	PA1	PA1	PA1	PA1	PA1
	COM1	COM1	COM1	COM1	COM1
			UART4_TX	SPI2_SCK	SPI2_SCK
8	PA2	PA2	PA2	PA2	PA2
	COM2	COM2	COM2	COM2	COM2
			UART0_RX	SPI2_MISO	SPI2_MISO
9	PA3	PA3	PA3	PA3	PA3
	COM3	COM3	COM3	COM3	COM3
			UART0_TX	SPI2_MOSI	SPI2_MOSI
10	PA4	PA4	PA4	PA4	PA4
	COM4(6)/SEG42	COM4/SEG40	COM4(6)/SEG42	COM4/SEG40	COM4/SEG40
			GPT1_CH3	SPI1_SSN	SPI1_SSN
11	PA5	PA5	PA5	PA5	PA5
	COM5(7)/SEG43	COM5/SEG41	COM5(7)/SEG43	COM5/SEG41	COM5/SEG41
			GPT1_CH4	SPI1_SCK	SPI1_SCK
12	PA6	PA6	PA6	PA6	PA6
	COM4/SEG40	COM6/SEG42	COM4/SEG40	COM6/SEG42	COM6/SEG42
				SPI1_MISO	SPI1_MISO
13	PA7	PA7	PA7	PA7	PA7
	COM5/SEG41	COM7/SEG43	COM5/SEG41	COM7/SEG43	COM7/SEG43
				SPI1_MOSI	SPI1_MOSI
14	PA8	PA8	PA8	PA8	PA8
	SEG0	SEG0	SEG0	SEG0	SEG0
	BT1_IN2	BT1_IN2	BT1_IN2	BT1_IN2	BT1_IN2
				UART5_RX	UART5_RX
15	PA9	PA9	PA9	PA9	PA9
	SEG1	SEG1	SEG1	SEG1	SEG1
	BT2_IN2	BT2_IN2	BT2_IN2	BT2_IN2	BT2_IN2
				UART5_TX	UART5_TX

16	PA10	PA10	PA10	PA10	PA10
	SEG2	SEG2	SEG2	SEG2	SEG2
	BT2_OUT	BT2_OUT	BT2_OUT	BT2_OUT	BT2_OUT
17	PA11	PA11	PA11	PA11	PA11
	SEG3	SEG3	SEG3	SEG3	SEG3
	LPTI	LPTI	LPTI	LPT32_CH1	LPT32_CH1
			SPI1_SSN		CF0
18	PA12	PA12	PA12	PA12	PA12
	SEG4	SEG4	SEG4	SEG4	SEG4
	LPTO	LPTO	LPTO	LPT32_CH2	LPT32_CH2
			SPI1_SCK		CF1
19	PA13(NWKUP4)	PA13(WKUP4)	PA13(WKUP4)	PA13(WKUP4)	PA13(WKUP4)
	SEG5	SEG5	SEG5	SEG5	SEG5
	LPTRG	LPTRG	LPTRG	LPT32_ETR	LPT32_ETR
20	PA14	PA14	PA14	PA14	PA14
	SCL	SCL	SCL0	SCL0	SCL0
21	PA15	PA15	PA15	PA15	PA15
	SDA	SDA	SDA0	SDA0	SDA0
22	PB0(NWKUP1)	PB0(WKUP1)	PB0(WKUP1)	PB0(WKUP1)	PB0(WKUP1)
	UART1_RX	UART1_RX	UART1_RX	UART1_RX	UART1_RX
		GPTI_CH2	SPI0_MISO	COMP2_INN1	COMP2_INN1
23	PB1	PB1	PB1	PB1	PB1
	UART1_TX	UART1_TX	UART1_TX	UART1_TX	UART1_TX
			SPI0_MOSI	COMP2_INP1	COMP2_INP1
24	PB2	PB2	PB2	PB2	PB2
	UART2_RX	UART2_RX	UART2_RX	UART2_RX	UART2_RX
	ADC_IN7	ADC_IN7	ADC_IN7	ADC_IN7	ADC_IN7
25	PB3	PB3	PB3	PB3	PB3
	UART2_TX	UART2_TX	UART2_TX	UART2_TX	UART2_TX
	ADC_IN8	ADC_IN8	ADC_IN8	ADC_IN8	ADC_IN8
26	PB4(STAMP0)	PB4(STAMP0)	PB4(STAMP0)	PB4	PB4
	SEG6	SEG6	SEG6	SEG6	SEG6
	BT1_IN0	BT1_IN0	BT1_IN0	BT1_IN0	BT1_IN0
					SCL1
27	PB5(STAMP1)	PB5(STAMP1)	PB5(STAMP1)	PB5	PB5
	SEG7	SEG7	SEG7	SEG7	SEG7
	BT2_IN0	BT2_IN0	BT2_IN0	BT2_IN0	BT2_IN0
					SDA1
28	PB6	PB6	PB6	PB6	PB6
	SEG8	SEG8	SEG8	SEG8	SEG8
	BT1_OUT	BT1_OUT	BT1_OUT	BT1_OUT	BT1_OUT
				QSPI_DQ2	SCL0
29	PB7	PB7	PB7	PB7	PB7
	SEG9	SEG9	SEG9	SEG9	SEG9
	ET1_IN0	ET1_IN0	ET1_IN0	ET1_IN0	ET1_IN0
				QSPI_DQ1	SDA0
30	PB8	PB8	PB8	PB8	PB8
	SEG10	SEG10	SEG10	SEG10	SEG10
	ET2_IN0	ET2_IN0	ET2_IN0	ET2_IN0	ET2_IN0
				QSPI_nCS	SPI4_MOSI

31	PB9	PB9	PB9	PB9	PB9
	SEG11	SEG11	SEG11	SEG11	SEG11
	ET3_IN0	ET3_IN0	ET3_IN0	ET3_IN0	ET3_IN0
				QSPI_DQ0	SPI4_MISO
32	PB10	PB10	PB10	PB10	PB10
	SEG12	SEG12	SEG12	SEG12	SEG12
	ET4_IN0	ET4_IN0	ET4_IN0	ET4_IN0	ET4_IN0
				QSPI_CLK	SPI4_SCK
33	PB11	PB11	PB11	PB11	PB11
	SEG13	SEG13	SEG13	SEG13	SEG13
	ET1_OUT	ET1_OUT	ET1_OUT	ET1_OUT	ET1_OUT
				QSPI_DQ3	SPI4_SSN
34	PB12	PB12	PB12	PB12	PB12
	SEG14	SEG14	SEG14	SEG14	SEG14
	SPI1_SSN	SPI1_SSN	SPI1_SSN	SPI1_SSN	SPI1_SSN
			GPT1_ETR	UART2_RX	UART2_RX
35	PB13	PB13	PB13	PB13	PB13
	SEG15	SEG15	SEG15	SEG15	SEG15
	SPI1_SCK	SPI1_SCK	SPI1_SCK	SPI1_SCK	SPI1_SCK
			GPT0_ETR	UART2_TX	UART2_TX
36	PB14	PB14	PB14	PB14	PB14
	SEG16	SEG16	SEG16	SEG16	SEG16
	SPI1_MISO	SPI1_MISO	SPI1_MISO	SPI1_MISO	SPI1_MISO
			GPT0_CH1	UART3_RX	UART3_RX
37	PB15	PB15	PB15	PB15	PB15
	SEG17	SEG17	SEG17	SEG17	SEG17
	SPI1_MOSI	SPI1_MOSI	SPI1_MOSI	SPI1_MOSI	SPI1_MOSI
			GPT0_CH2	UART3_TX	UART3_TX
38	PE2(NWKUP5)	PE2(WKUP5)	PE2(WKUP5)	PE2(WKUP5)	PE2(WKUP5)
	ET1_IN1	ET1_IN1	ET1_IN1	FOUT1	FOUT1
		GPTI_CH1			
39	PE3	PE3	PE3	PE3	PE3
	SEG18	SEG18	SEG18	SEG18	SEG18
	UART1_RX	UART1_RX	UART1_RX	UART1_RX	UART1_RX
	ACMP2_INN1	ACMP2_INN1	ACMP2_INN1	COMP2_INN2	COMP2_INN2
			LPUART1_RX		
40	PE4	PE4	PE4	PE4	PE4
	SEG19	SEG19	SEG19	SEG19	SEG19
	UART1_TX	UART1_TX	UART1_TX	UART1_TX	UART1_TX
	ACMP2_INP1	ACMP2_INP1	ACMP2_INP1	COMP2_INP2	COMP2_INP2
			LPUART1_TX		
41	PF12	PF12	PF12	PF12	PF12
	SPI0_MOSI	SPI0_MOSI	SPI0_MOSI	SPI0_MOSI	SPI0_MOSI
			SCL1		
42	PF13	PF13	PF13	PF13	PF13
	SPI0_MISO	SPI0_MISO	SPI0_MISO	SPI0_MISO	SPI0_MISO
			SDA1		
43	PF14	PF14	PF14	PF14	PF14
	SPI0_SCK	SPI0_SCK	SPI0_SCK	SPI0_SCK	SPI0_SCK
			GPT1_CH1		
44	PF15	PF15	PF15	PF15	PF15
	SPI0_SSN	SPI0_SSN	SPI0_SSN	SPI0_SSN	SPI0_SSN
			GPT1_CH2		

45	PC2	PC2	PC2	PC2	PC2
	SEG26	SEG26	SEG26	SEG26	SEG26
	U7816CLK	U7816CLK	U7816CLK	U7816CLK	U7816CLK
			XTHIN		
46	PC3	PC3	PC3	PC3	PC3
	SEG27	SEG27	SEG27	SEG27	SEG27
	U7816IO	U7816IO	U7816IO	U7816IO	U7816IO
			XTHOUT		
47	PC4	PC4	PC4	PC4	PC4
	SEG28	SEG28	SEG28	SEG28	SEG28
	UART5_RX	UART5_RX	UART5_RX	UART5_RX	UART5_RX
48	PC5	PC5	PC5	PC5	PC5
	SEG29	SEG29	SEG29	SEG29	SEG29
	UART5_TX	UART5_TX	UART5_TX	UART5_TX	UART5_TX
49	PC6	PC6	PC6	PC6	PC6
	SEG30	SEG30	SEG30	SEG30	SEG30
	SPI1_SSN	SPI1_SSN	SPI1_SSN	SPI3_SSN	SPI3_SSN
			SAR_IN8		
50	PC7	PC7	PC7	PC7	PC7
	SEG31	SEG31	SEG31	SEG31	SEG31
	SPI1_SCK	SPI1_SCK	SPI1_SCK	SPI3_SCK	SPI3_SCK
			SAR_IN9		
51	PC8	PC8	PC8	PC8	PC8
	SEG32	SEG32	SEG32	SEG32	SEG32
	SPI1_MISO	SPI1_MISO	SPI1_MISO	SPI3_MISO	SPI3_MISO
			SAR_IN0		
52	PC9	PC9	PC9	PC9	PC9
	SEG33	SEG33	SEG33	SEG33	SEG33
	SPI1_MOSI	SPI1_MOSI	SPI1_MOSI	SPI3_MOSI	SPI3_MOSI
			SAR_IN1		
53	PC10	PC10	PC10	PC10	PC10
	SEG34	SEG34	SEG34	SEG34	SEG34
	UART3_RX	UART3_RX	UART3_RX	UART3_RX	UART3_RX
			GPT0_CH3		
54	PC11	PC11	PC11	PC11	PC11
	SEG35	SEG35	SEG35	SEG35	SEG35
	UART3_TX	UART3_TX	UART3_TX	UART3_TX	UART3_TX
			GPT0_CH4		
55	PC12	PC12	PC12	PC12	PC12
	SEG36	SEG36	SEG36	SEG36	SEG36
	ADC_IN1	ADC_IN1	ADC_IN1	ADC_IN1	ADC_IN1
		ET3_OUT	ET3_OUT		ET3_OUT
56	PC13(WKUP2)	PC13(WKUP2)	PC13(WKUP2)	PC13(WKUP2)	PC13(WKUP2)
	SEG37	SEG37	SEG37	SEG37	SEG37
	ADC_IN2	ADC_IN2	ADC_IN2	ADC_IN2	ADC_IN2
			SAR_IN14		
57	PC14	PC14(WKUP6)	PC14(WKUP6)	PC14	PC14
	SEG38	SEG38	SEG38	SEG38	SEG38
	ACMP2_INN0	ACMP2_INN0	ACMP2_INN0	COMP1_INN2	COMP1_INN2
			SAR_IN13		CF3

58	PC15	PC15	PC15	PC15	PC15
	SEG39	SEG39	SEG39	SEG39	SEG39
	ACMP2_INP0	ACMP2_INP0	ACMP2_INP0	COMP1_INP4	COMP1_INP4
	ADC_IN6	ADC_IN6	ADC_IN6	ADC_IN6	ADC_IN6
		SAR_IN12			
59	VLCD	PE5	PE5	VLCD	PF1
		ACMP10	ACMP10		
			ET2_OUT		ET2_OUT
			SAR_IN11		
60	XTALOUT	XTALOUT	XTALOUT	XTALOUT	XTALOUT
61	XTALIN	XTALIN	XTALIN	XTALIN	XTALIN
62	VSS	VSS	VSS	VSS	VSS
63	VDD	VDD	VDD	VDD	VDD
64	VDD15	VDD15	VDD15	VDD15	VDD15
65	CPLL	CPLL	NC	PF0	NC
				LPT32_CH4	
66	PG6	PG6	PG6	PG6	PG6
	FOUT	FOUT	FOUT	FOUT0	FOUT0
		ACMP20	SAR_IN2	SPI4_SSN	SPI4_SSN
67	PD0	PD0	PD0	PD0	PD0
	UART4_RX	UART4_RX	UART4_RX	UART4_RX	UART4_RX
	ADC_IN3	ADC_IN3	ADC_IN3	ADC_IN3	ADC_IN3
			SAR_IN3		
68	PD1	PD1	PD1	PD1	PD1
	UART4_TX	UART4_TX	UART4_TX	UART4_TX	UART4_TX
	ADC_IN4	ADC_IN4	ADC_IN4	ADC_IN4	ADC_IN4
			SAR_IN4		
69	PD2	PD2	PD2	PD2	PD2
	SEG20	SEG20	SEG20	SEG20	SEG20
	SPI2_SSN	SPI2_SSN	SPI2_SSN	SPI2_SSN	SPI2_SSN
			SAR_IN5		UART4_RX
70	PD3	PD3	PD3	PD3	PD3
	SEG21	SEG21	SEG21	SEG21	SEG21
	SPI2_SCK	SPI2_SCK	SPI2_SCK	SPI2_SCK	SPI2_SCK
					UART4_TX
71	PD4	PD4	PD4	PD4	PD4
	SEG22	SEG22	SEG22	SEG22	SEG22
	SPI2_MISO	SPI2_MISO	SPI2_MISO	SPI2_MISO	SPI2_MISO
72	PD5	PD5	PD5	PD5	PD5
	SEG23	SEG23	SEG23	SEG23	SEG23
	SPI2_MOSI	SPI2_MOSI	SPI2_MOSI	SPI2_MOSI	SPI2_MOSI
73	PD6(WKUP7)	PD6(WKUP7)	PD6(WKUP7)	PD6(WKUP7)	PD6(WKUP7)
	ET3_IN1	ET3_IN1	ET3_IN1	ET3_IN1	ET3_IN1
				SPI4_SCK	SPI4_SCK
74	PD7	PD7	PD7	PD7	PD7
	ET4_IN1	ET4_IN1	ET4_IN1	ET4_IN1	ET4_IN1
				SPI4_MISO	SPI4_MISO
75	PG2	PG2	PG2	PG2	PG2
	U7816CLK	U7816CLK	U7816CLK0	U7816CLK	U7816CLK
	COMP1_INP2	COMP1_INP2	COMP1_INP2	COMP1_INP2	COMP1_INP2
				LPUART1_RX	LPUART1_RX

76	PG3	PG3	PG3	PG3	PG3
	U7816IO	U7816IO	U7816IO0	U7816IO	U7816IO
	COMP1_INP3	COMP1_INP3	COMP1_INP3	COMP1_INP3	COMP1_INP3
				LPUART1_TX	LPUART1_TX
77	PG7(WKUP3)	PG7(WKUP3)	PG7(WKUP3)	PG7(WKUP3)	PG7(WKUP3)
	ET4_OUT	ET4_OUT	ET4_OUT	ET4_OUT	ET4_OUT
		GPTO_CH2		SPI4_MOSI	SPI4_MOSI
78	PG8	PG8	PG8	PG8	PG8
	SWCLK	SWCLK	SWCLK	SWCLK	SWCLK
				UART0_RX	UART0_RX
79	PG9	PG9	PG9	PG9	PG9
	SWIO	SWIO	SWIO	SWIO	SWIO
				UART0_TX	UART0_TX
80	NRST	NRST	NRST	NRST	NRST

