LPC1768 Pin functions

Pin	mbed Pin	Func 1	Func 2	Func 3	Func 4	Pin	mbed Pin	Func 1	Func 2	Func 3	Func 4
1		TDO	SWO			51		P2.12	EINT2N	I2STX_WS	
2		TDI				52		P2.11	EINT1N	I2STX_CLK	
3		TMS	SWDIO			53		P2.10	EINT0N	NMI	
4		nTRST				54		VDD			
5		TCK	SWDCLK			55		VSS			
6	p18	P0.26	AD0.3	AOUT	RXD3	56		P0.22	RTS1	CAN_TX1	
7	p17	P0.25	AD0.2	I2SRX_SDA	TXD3	57		P0.21	RI1	CAN_RX1	
8	p16	P0.24	AD0.1	I2SRX_WS	CAP3.1	58		P0.20	DTR1	SCL1	
9	p15	P0.23	AD0.0	I2SRX_CLK	CAP3.0	59		P0.19	DSR1	MCICLK	SDA1
10		VDDA				60	p11	P0.18	DCD1	MOSI0	MOSI
11		VSSA				61	p12	P0.17	CTS1	MISO0	MISO
12		VREFP				62	p13	P0.15	TXD1	SCK0	SCK
13		N.C.				63	p14	P0.16	RXD1	SSEL0	SSEL
14		nRSTOUT				64		P2.9	USB_CONNECT	RXD2	
15		VREFN				65		P2.8	CAN_TX2	TXD2	
16		RTCX1				66		P2.7	CAN_RX2	RTS1	
17		nRESET				67		P2.6	PCAP1.0	RI1	TRACECLK
18		RTCX2				68	p21	P2.5	PWM1.6	DTR1	TRACEDATA0
19		VBAT				69	p22	P2.4	PWM1.5	DSR1	TRACEDATA1
20	p20	P1.31	SCK1	AD0.5		70	p23	P2.3	PWM1.4	DCD1	TRACEDATA2
21	p19	P1.30	VBUS	AD0.4		71		VDD			
22		XTAL1				72		VSS			
23		XTAL2				73	p24	P2.2	PWM1.3	CTS1	TRACEDATA3
24		P0.28	SCL0	USB_SCL		74	p25	P2.1	PWM1.2	RXD1	
25		P0.27	SDA0	USB_SDA		75	p26	P2.0	PWM1.1	TXD1	TRACECLK

Pin	mbed Pin	Func 1	Func 2	Func 3	Func 4	Pin	mbed Pin	Func 1	Func 2	Func 3	Func 4
26		P3.26	STCLK	MAT0.1	PWM1.3	76	p5	P0.9	I2STX_SDA	MOSI1	MAT2.3
27		P3.25	MAT0.0	PWM1.2		77	p6	P0.8	I2STX_WS	MISO1	MAT2.2
28		VDD				78	p7	P0.7	I2STX_CLK	SCK1	MAT3.1
29	USBD+	P0.29	USB_D+			79	p8	P0.6	I2SRX_SDA	SSEL1	MAT2.0
30	USBD-	P0.30	USB_D-			80	p29	P0.5	I2SRX_WS	CAN_TX2	CAP2.1
31		VSS				81	p30	P0.4	I2SRX_CLK	CAN_RX2	CAP2.0
32	LED1	P1.18	USB_UP	PWM1.1	CAP1.0	82		P4.28	RX_MCLK	MAT2.0	TXD3
33		P1.19	MC0A	USB_PPWR	CAP1.1	83		VSS			
34	LED2	P1.20	MCFB0	PWM1.2	SCK0	84		VDD			
35	LED3	P1.21	MCABORT	PWM1.3	SSEL0	85		P4.29	TX_MCLK	MAT2.1	RXD3
36		P1.22	MC0B	USB_PWRD	MAT1.0	86		P1.17	ENET-MDIO		
37	LED4	P1.23	MCFB1	PWM1.4	MISO0	87		P1.16	ENET-MDC		
38		P1.24	MCFB2	PWM1.5	MOSI0	88		P1.15	ENET-RX_CLK		
39		P1.25	MC1A	MAT1.1		89		P1.14	ENET-RC_ER		
40		P1.26	MC1B	PWM1.6	CAP0.0	90		P1.10	ENET_RXD1		
41		VSS				91		P1.9	ENET_RXD0		
42		VDD				92		P1.8	ENET_CRS		
43		P1.27	CLKOUT	USB_OVRCR	CAP0.1	93		P1.4	ENET-TX_EN		
44		P1.28	MC2A	PCAP1.0	MAT0.0	94		P1.1	ENET-TXD1		
45		P1.29	MC2B	PCAP1.1	MAT0.1	95		P1.0	ENET-TXD0		
46	p9	P0.0	CAN_RX1	TXD3	SDA1	96		VDD			
47	p10	P0.1	CAN_TX1	RXD3	SCL1	97		VSS			
48	p28	P0.10	TXD2	SDA2	MAT3.0	98		P0.2	TXD0	AD0.7	
49	p27	P0.11	RXD2	SCL2	MAT3.1	99		P0.3	RXD0	AD0.6	
50		P2.13	EINT3N	I2STX_SDA		100		RTCK			

Interruptable