

NXP ARM LPC1768 PINOUT

U?A	
46	P0[0]/RD1/TXD3/SDA1
47	P0[1]/TD1/RXD3/SCL1
98	P0[2]/TXD0/AD0[7]
99	P0[3]/RXD0/AD0[6]
81	P0[4]/I2SRX_CLK/RD2/CAP2[0]
80	P0[5]/I2SRX_WS/TD2/CAP2[1]
79	P0[6]/I2SRX_SDA/SSEL1/MAT2[0]
78	P0[7]/I2STX_CLK/SCK1/MAT2[1]
77	P0[8]/I2STX_WS/MISO1/MAT2[2]
76	P0[9]/I2STX_SDA/MOSI1/MAT2[3]
48	P0[10]/TXD2/SDA2/MAT3[0]
49	P0[11]/RXD2/SCL2/MAT3[1]
62	P0[15]/TXD1/SCK0/SCK
63	P0[16]/RXD1/SSEL0/SSEL
61	P0[17]/CTS1/MISO0/MISO
60	P0[18]/DCD1/MOSI0/MOSI
59	P0[19]/DSR1/SDA1
58	P0[20]/DTR1/SCL1
57	P0[21]/RI1/RD1
56	P0[22]/RTS1/TD1
9	P0[23]/AD0[0]/I2SRX_CLK/CAP3[0]
8	P0[24]/AD0[1]/I2SRX_WS/CAP3[1]
7	P0[25]/AD0[2]/I2SRX_SDA/TXD3
6	P0[26]/AD0[3]/AOUT/RXD3
25	P0[27]/SDA0/USB_SDA
24	P0[28]/SCL0/USB_SCL
29	P0[29]/USB_D+
30	P0[30]/USB_D-
95	P1[0]/ENET_TXD0
94	P1[1]/ENET_TXD1
93	P1[4]/ENET_TX_EN
92	P1[8]/ENET_CRD
91	P1[9]/ENET_RXD0
90	P1[10]/ENET_RXD1
89	P1[14]/ENET_RX_ER
88	P1[15]/ENET_REF_CLK
87	P1[16]/ENET_MDC
86	P1[17]/ENET_MDIO
32	P1[18]/USB_UP_LED/PWM1[1]/CAP1[0]
33	P1[19]/MCOA0/USB_PPWR/CAP1[1]
34	P1[20]/MCI0/PWM1[2]/SCK0
35	P1[21]/MCABORT/PWM1[3]/SSEL0
36	P1[22]/MCOB0/USB_PPWR/MAT1[0]
37	P1[23]/MCI1/PWM1[4]/MISO0
38	P1[24]/MCI2/PWM1[5]/MOSI0
39	P1[25]/MCOA1/MAT1[1]
40	P1[26]/MCOB1/PWM1[6]/CAP0[0]
43	P1[27]/CLKOUT/USB_OVRCR/CAP0[1]
44	P1[28]/MCOA2/PCAP1[0]/MAT0[0]
45	P1[29]/MCOB2/PCAP1[1]/MAT0[1]
21	P1[30]/VBUS/AD0[4]
20	P1[31]/SCK1/AD0[5]
75	P2[0]/PWM1[1]/TXD1
74	P2[1]/PWM1[2]/RXD1
73	P2[2]/PWM1[3]/CTS1/TRACEDATA[3]
70	P2[3]/PWM1[4]/DCD1/TRACEDATA[2]
69	P2[4]/PWM1[5]/DSR1/TRACEDATA[1]
68	P2[5]/PWM1[6]/DTR1/TRACEDATA[0]
67	P2[6]/PCAP1[0]/RI1/TRACECLK
66	P2[7]/RD2/RTS1
65	P2[8]/TD2/TXD2
64	P2[9]/USB_CONNECT/RXD2
53	P2[10]/EINT0/NMI
52	P2[11]/EINT1/I2STX_CLK
51	P2[12]/EINT2/I2STX_WS
50	P2[13]/EINT3/I2STX_SDA
27	P3[25]/MAT0[0]/PWM1[2]
26	P3[26]/STCLK/MAT0[1]/PWM1[3]
82	P4[28]/RX_MCLK/MAT2[0]/TXD3
85	P4[29]/TX_MCLK/MAT2[1]/RXD3

LPC1768FBD100

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U?B			
28	VDD(3V3)	VSS	31
54	VDD(3V3)	VSS	41
71	VDD(3V3)	VSS	55
96	VDD(3V3)	VSS	72
		VSS	83
		VSS	97
42	VDD(REG)(3V3)	VSS	
84	VDD(REG)(3V3)	VSS	
10	VDDA	VSSA	11
15	VREFN		
12	VREFP	VBAT	19

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NC 13

RESET 17
RSTOUT 14

RTCX1 16
RTCX2 18

TDI 2
TDO/SWO 1
TCK/SWDCLK 5
TMS/SWDIO 3

TRST 4

RTCK 100

XTAL1 22

XTAL2 23

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