

LPC1768	Special Function	Function Name	PIN #
	0V	GND	1
	4.5 to 9V in	VIN	2
	Battery bkup	VB	3
		nR	4
P0[9]/I2STX_SDA/MOSI1/MAT2[3]	SPI	mosi	p5
P0[8]/I2STX_WS/MISO1/MAT2[2]		miso	p6
P0[7]/I2STX_CLK/SCK1/MAT2[1]		sck	p7
P0[6]/I2SRX_SDA/SSEL1/MAT2[0]			p8
P0[0]/RD1/TXD3/SDA1	UART	I2C	tx/sda
P0[1]/TD1/RXD3/SCL1			rx/scl
P0[18]/DCD1/MOSI0/MOSI	SPI	mosi	p11
P0[17]/CTS1/MISO0/MISO		miso	p12
P0[15]/TXD1/SCK0/SCK		tx/sck	p13
P0[16]/RXD1/SSEL0/SSEL	UART		rx
P0[23]/AD0[0]/I2SRX_CLK/CAP3[0]	Analog In		p15
P0[24]/AD0[1]/I2SRX_WS/CAP3[1]			p16
P0[25]/AD0[2]/I2SRX_SDA /TXD3			p17
P0[26]/AD0[3]/AOUT/RXD3		Analog out	p18
P1[30]/VBUS/AD0[4]			p19
P1[31]/SCK1/AD0[5]			p20
P2[5]/PWM1[6]/DTR1/TRACEDATA[0]		Analog In	
P2[4]/PWM1[5]/DSR1/TRACEDATA[1]			p22
P2[3]/PWM1[4]/DCD1/TRACEDATA[2]			p23
P2[2]/PWM1[3]/CTS1/TRACEDATA[3]			p24
P2[1]/PWM1[2]/RXD1			p25
P2[0]/PWM1[1]/TXD1			p26
P0[11]/RXD2/SCL2/MAT3[1]	UART		I2C
P0[10]/TXD2/SDA2/MAT3[0]			rx/scl
P0[5]/I2SRX_WS/TD2/CAP2[1]	CAN	td	p29
P0[4]/I2SRX_CLK/RD2/CAP2[0]		rd	p30
P0[30]/USB_D-	USB		D+
P0[29]/USB_D+			D-
	Ethernet		TD+
			TD-
			RD+
			RD-
			IF+
			IF-
		5V USB out	VU
		3.3V Out	VOUT

3V Coin Battery for RTC backup

DO	SD-CARD
DI	
CLK	
CS	
	I2C
	LCD
WP	SD-CARD
CD	
	GPS
X	G-Sensor
Y	
Z	
Analog meter drive	
Battery	Analog Input
Temperature	

RS	Character LCD
DB7	
DB6	
DB5	
DB4	
E	
RW	
	CAN
	USB
2	LAN
1	
3	
6	

Current implemented parts

P1[18]	mbed on board LED's	LED1	N.C.
P1[20]		LED2	N.C.
P1[21]		LED3	N.C.
P1[23]		LED4	N.C.