

mbed pin assignment

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JH1PJL

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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	5	
P0[8]/I2STX_WS/MISO1/MAT2[2]		miso	p6	6	
P0[7]/I2STX_CLK/SCK1/MAT2[1]		sck	p7	7	
P0[6]/I2SRX_SDA/SSEL1/MAT2[0]			p8	8	
P0[0]/RD1/TXD3/SDA1	UART	I2C	tx/sda	p9	9
P0[1]/TD1/RXD3/SCL1			rx/scl	p10	10
P0[18]/DCD1/MOSI0/MOSI	SPI	mosi	p11	11	
P0[17]/CTS1/MISO0/MISO		miso	p12	12	
P0[15]/TXD1/SCK0/SCK		tx/sck	p13	13	
P0[16]/RXD1/SSEL0/SSEL	UART		rx	p14	14
P0[23]/AD0[0]/I2SRX_CLK/CAP3[0]	Analog In		p15	15	
P0[24]/AD0[1]/I2SRX_WS/CAP3[1]			p16	16	
P0[25]/AD0[2]/I2SRX_SDA /TXD3			p17	17	
P0[26]/AD0[3]/AOUT/RXD3		Analog out	p18	18	
P1[30]/VBUS/AD0[4]			p19	19	
P1[31]/SCK1/AD0[5]			p20	20	
P2[5]/PWM1[6]/DTR1/TRACEDATA[0]	Analog In		p21	21	
P2[4]/PWM1[5]/DSR1/TRACEDATA[1]			p22	22	
P2[3]/PWM1[4]/DCD1/TRACEDATA[2]			p23	23	
P2[2]/PWM1[3]/CTS1/TRACEDATA[3]			p24	24	
P2[1]/PWM1[2]/RXD1			p25	25	
P2[0]/PWM1[1]/TXD1		p26	26		
P0[11]/RXD2/SCL2/MAT3[1]	UART	I2C	tx/sda	p27	27
P0[10]/TXD2/SDA2/MAT3[0]			rx/scl	p28	28
P0[5]/I2SRX_WS/TD2/CAP2[1]		CAN	td	p29	29
P0[4]/I2SRX_CLK/RD2/CAP2[0]			rd	p30	30
P0[30]/USB_D-	USB		D+	31	
P0[29]/USB_D+			D-	32	
	Ethernet		TD+	33	
			TD-	34	
			RD+	35	
			RD-	36	
			IF+	37	
			IF-	38	
		5V USB out	VU	39	
		3.3V Out	VOUT	40	

3V Coin Battery for RTC backup

DB7	Character LCD
DB6	
DB5	
DB4	
	GPS
DO	SD-CARD
DI	
CLK	
CS	
X	G-Sensor
Y	
Z	
Analog meter drive	
Battery	Analog Input
Temperature	
E	Character LCD
RS	
RW	
WP	SD-CARD
CD	
Recode-Switch	
	UART
	CAN
	USB
2	LAN
1	
3	
6	

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.

MUST Parts