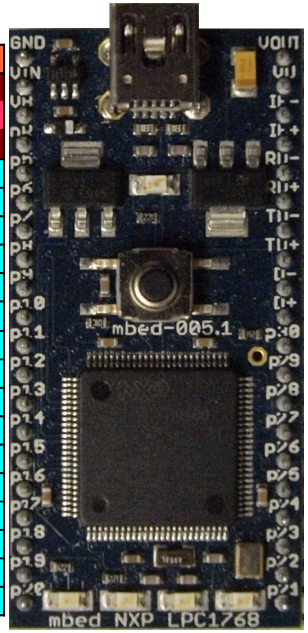
mbed NXP LPC1768

3↓	2↓	1↓	0↓	
				GND
				V_{IN} (4½-9V)
				V_{BAT}
				/RESET
TIMER MAT2.3	SSP MOSI1	I2STX_SDA	P0.9	DIP5
TIMER MAT2.2	SSP MISO1	I2STX_WS	P0.8	DIP6
TIMER MAT2.1	SSP SCK1	I2STX_CLK	P0.7	DIP7
TIMER MAT2.0	SSP SSEL1	I2SRX_SDA	P0.6	DIP8
I2C SDA1	UART TXD3	CAN RD1	P0.0	DIP9
I2C SCL1	UART RXD3	CAN TD1	P0.1	DIP10
SPI MOSI	SSP MOSI0	UART DCD1	P0.18	DIP11
SPI MISO	SSP MISO0	UART CTS1	P0.17	DIP12
SPI SCK	SSP SCK0	UART TXD1	P0.15	DIP13
SPI SSEL	SSP SSEL0	UART RXD1	P0.16	DIP14
TIMER CAP3.0	I2SRX_CLK	ADC AD0.0	P0.23	DIP15
TIMER CAP3.1	I2SRX_WS	ADC AD0.1	P0.24	DIP16
UART TXD3	I2SRX_SDA	ADC AD0.2	P0.25	DIP17
UART RXD3	DAC AOUT	ADC AD0.3	P0.26	DIP18
XXX	ADC AD0.4	V_{BUS}	P1.30	DIP19
XXX	ADC AD0.5	SSP SCK1	P1.31	DIP20



				V_{OUT} (3.3V)
				V_{USB} (5V)
				IF-
				IF+
				ETH RD-
				ETH RD+
				ETH TD-
				ETH TD+
				USB D-
				USB D+
DIP30	P0.4	I2SRX_CLK	CAN RD2	TIMER CAP2.0
DIP29	P0.5	I2SRX_WS	CAN TD2	TIMER CAP2.1
DIP28	P0.10	UART TXD2	I2C SDA2	TIMER MAT3.0
DIP27	P0.11	UART RXD2	I2C SCL2	TIMER MAT3.1
DIP26	P2.0	PWM1.1	UART TXD1	XXX
DIP25	P2.1	PWM1.2	UART RXD1	XXX
DIP24	P2.2	PWM1.3	UART CTS1	TRACEDATA 3
DIP23	P2.3	PWM1.4	UART DCD1	TRACEDATA 2
DIP22	P2.4	PWM1.5	UART DSR1	TRACEDATA 1
DIP21	P2.5	PWM1.6	UART DTR1	TRACEDATA 0
	0↓	1↓	2↓	3↓

2 x **2 bits**	2 x **4 bits**	**6 bits**	**8 bits**
P0.0	P0.15	P2.0	P0.4
P0.1	P0.16	P2.1	P0.5
P1.30	P0.17	P2.2	P0.6
P1.31	P0.18	P2.3	P0.7
	P0.23	P2.4	P0.8
	P0.24	P2.5	P0.9
	P0.25		P0.10
	P0.26		P0.11

/ and \ interrupts only on P0.* and P2.*

UART1, UART2, UART3	UART1's RI and RTS are missing
I2S	RX pins have two possible locations
SPI, SSP0, SSP1	SSP0 and SPI share the same pins
I2C1, I2C2	I2C0 is not available, hence no Fast Mode Plus up to 1MHz
CAN1, CAN2	CAN Spec. v2.0B
PWM1.[1-6]	6 single edged or 3 double edged
TIMER MAT2.[0-3]	output
TIMER MAT3.[0-1]	output
TIMER CAP2.[0-1]	input
TIMER CAP3.[0-1]	input
ADC0.[0-5]	12-bit resolution output
DAC	10-bit resolution input
TRACEDATA[0-3]	TRACECLK is missing. mbed-005.1 schematic is wrong. It's P2.6, not DIP26, that has TRACECLK.