

**LPCXpresso Base Board  
Expansion Connector**

<b>LPC1114</b>	<b>LPC1343</b>			<b>LPC1343</b>	<b>LPC1114</b>
Gnd	Gnd	J6-1	J6-2	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-3	J6-4	Vout (+3.3V)	Vout (+3.3V)
P0.0 Reset	P0.0 Reset	J6-5	J6-6	P0.1	P0.1 "FT/GPIO"
P0.2 SSEL	P0.2 SSEL	J6-7	J6-8	P0.3	P0.3 "USB-VBUS"
P0.4 I2C-SCL	P0.4 I2C-SCL	J6-9	J6-10	P0.5 I2C-SDA	P0.5 I2C-SDA
P0.6	P0.6	J6-11	J6-12	P0.7	P0.7
P0.8 MISO	P0.8 MISO	J6-13	J6-14	P0.9 MOSI/SWO	P0.9 MOSI/SWO
P0.10 SWCLK	P0.10 SWCLK	J6-15	J6-16	P0.11 AD0	P0.11 AD0
P1.0 AD1	P1.0 AD1	J6-17	J6-18	P1.1 AD2	P1.1 AD2
P1.2 AD3	P1.2 AD3	J6-19	J6-20	P1.3 AD4/SWDIO	P1.3 AD4/SWDIO
P1.4 AD5	P1.4 AD5	J6-21	J6-22	P1.5	P1.5
P1.6 Rxd	P1.6 RxD	J6-23	J6-24	P1.7 TxD	P1.7 TxD
P1.8	P1.8	J6-25	J6-26	P1.9	P1.9
P1.10	P1.10	J6-27	J6-28	P1.11	P1.11
P2.0	P2.0	J6-29	J6-30	P2.1	P2.1
P2.2	P2.2	J6-31	J6-32	P2.3	P2.3
P3.4 "P2.4"	P2.4	J6-33	J6-34	P2.5	P3.5 "P2.5"
P2.6	P2.6	J6-35	J6-36	P2.7	P2.7
P2.8	P2.8	J6-37	J6-38	P2.9	P2.9
P2.10	P2.10	J6-39	J6-40	P2.11 SCK	P2.11 SCK
P3.0	P3.0	J6-41	J6-42	P3.1	P3.1
P3.2	P3.2	J6-43	J6-44	P3.3	P3.3
Gnd	Gnd	J6-45	J6-46	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-47	J6-48	Vout (+3.3V)	Vout (+3.3V)
Vin (4.5-5.5V)	Vin (4.5 – 5.5v)	J6-49	J6-50	Vbat	not used

**LPCXpresso Base Board  
Expansion Connector**

<b>LPC11C24</b>	<b>LPC1343</b>			<b>LPC1343</b>	<b>LPC11C24</b>
Gnd	Gnd	J6-1	J6-2	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-3	J6-4	Vout (+3.3V)	Vout (+3.3V)
P0.0 Reset	P0.0 Reset	J6-5	J6-6	P0.1	P0.1
P0.2 SSEL0	P0.2 SSEL	J6-7	J6-8	P0.3	P0.3
P0.4	P0.4 I2C-SCL	J6-9	J6-10	P0.5 I2C-SDA	P0.5
P0.6	P0.6	J6-11	J6-12	P0.7	P0.7
P0.8 MISO0	P0.8 MISO	J6-13	J6-14	P0.9 MOSI/SWO	P0.9 MOSI0/SWO
P0.10 SWCLK	P0.10 SWCLK	J6-15	J6-16	P0.11 AD0	P0.11 AD0
P1.0 AD1	P1.0 AD1	J6-17	J6-18	P1.1 AD2	P1.1 AD2
P1.2 AD3	P1.2 AD3	J6-19	J6-20	P1.3 AD4/SWDIO	P1.3 AD4/SWDIO
P1.4 AD5	P1.4 AD5	J6-21	J6-22	P1.5	P1.5
P1.6 RxD	P1.6 RxD	J6-23	J6-24	P1.7 TxD	P1.7 TxD
P1.8	P1.8	J6-25	J6-26	P1.9	P3.3
P1.10	P1.10	J6-27	J6-28	P1.11	P1.11
P2.0	P2.0	J6-29	J6-30	P2.1	P2.1
P2.2	P2.2	J6-31	J6-32	P2.3	P2.3
P2.6	P2.4	J6-33	J6-34	P2.5	not used
not used	P2.6	J6-35	J6-36	P2.7	P2.7
P2.8	P2.8	J6-37	J6-38	P2.9	not used
P2.10	P2.10	J6-39	J6-40	P2.11 SCK	P2.11 SCK0
P3.0	P3.0	J6-41	J6-42	P3.1	P3.1
P3.2	P3.2	J6-43	J6-44	P3.3	not used
Gnd	Gnd	J6-45	J6-46	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-47	J6-48	Vout (+3.3V)	Vout (+3.3V)
Vin (4.5-5.5V)	Vin (4.5 – 5.5v)	J6-49	J6-50	Vbat	Vbat

**LPCXpresso Base Board  
Expansion Connector**

<b>LPC11U14</b>	<b>LPC1343</b>			<b>LPC1343</b>	<b>LPC11U14</b>
Gnd	Gnd	J6-1	J6-2	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-3	J6-4	Vout (+3.3V)	Vout (+3.3V)
P0.0 Reset	P0.0 Reset	J6-5	J6-6	P0.1	P0.1
P0.2 SSEL0	P0.2 SSEL	J6-7	J6-8	P0.3	P0.3 USB-VBUS
P0.4 I2C-SCL	P0.4 I2C-SCL	J6-9	J6-10	P0.5 I2C-SDA	P0.5 I2C-SDA
P0.6 USB_CONN	P0.6	J6-11	J6-12	P0.7	P0.7
P0.8 MISO0	P0.8 MISO	J6-13	J6-14	P0.9 MOSI/SWO	P0.9 MOSI0/SWO
P0.10 SWCLK	P0.10 SWCLK	J6-15	J6-16	P0.11 AD0	P0.11 AD0
P0.12 AD1	P1.0 AD1	J6-17	J6-18	P1.1 AD2	P0.13 AD2
P0.14 AD3	P1.2 AD3	J6-19	J6-20	P1.3 AD4/SWDIO	P0.15 AD4/SWDIO
P0.16 AD5	P1.4 AD5	J6-21	J6-22	P1.5	P0.17
P0.18 RxD	P1.6 RxD	J6-23	J6-24	P1.7 TxD	P0.19 TxD
P0.20	P1.8	J6-25	J6-26	P1.9	P0.21 MAT=PWM
P0.22 MAT=PWM	P1.10	J6-27	J6-28	P1.11	P0.23
P1.19	P2.0	J6-29	J6-30	P2.1	P1.20
P1.21	P2.2	J6-31	J6-32	P2.3	P1.22
P1.23	P2.4	J6-33	J6-34	P2.5	P1.24
P1.25	P2.6	J6-35	J6-36	P2.7	P1.26
P1.27	P2.8	J6-37	J6-38	P2.9	P1.28
P1.31	P2.10	J6-39	J6-40	P2.11 SCK	P1.29 SCK0
P1.13	P3.0	J6-41	J6-42	P3.1	P1.14
P1.15	P3.2	J6-43	J6-44	P3.3	P1.16
Gnd	Gnd	J6-45	J6-46	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-47	J6-48	Vout (+3.3V)	Vout (+3.3V)
Vin (4.5-5.5V)	Vin (4.5 – 5.5v)	J6-49	J6-50	Vbat	Vbat

**LPCXpresso Base Board  
Expansion Connector**

LPC1227	LPC1343	LPC1343	LPC1227
Gnd	Gnd	J6-1	Vout (+3.3V)
Gnd	Gnd	J6-3	Vout (+3.3V)
P0.13 Reset	P0.0 Reset	J6-5	P0.1
P0.15 SSEL	P0.2 SSEL	J6-7	P0.3
P0.10 I2C-SCL	P0.4 I2C-SCL	J6-9	P0.5 I2C-SDA
P0.20	P0.6	J6-11	P0.7
P0.16 MISO	P0.8 MISO	J6-13	P0.9 MOSI/SWO
P0.18 SWCLK	P0.10 SWCLK	J6-15	P0.11 AD0
P0.31 AD1	P1.0 AD1	J6-17	P1.1 AD2
P1.5 AD7/CT16B1_MAT0	P1.2 AD3	J6-19	P1.3 AD4/SWDIO
P1.3 AD5	P1.4 AD5	J6-21	P1.5
P0.1 RxD	P1.6 RxD	J6-23	P1.7 TxD
P0.19	P1.8	J6-25	P1.9
P2.4 CT32B0_MAT0	P1.10	J6-27	P1.11
P0.3	P2.0	J6-29	P2.1
P0.8 RxD1	P2.2	J6-31	P2.3
P0.21 CT32B0_MAT3	P2.4	J6-33	P2.5
P0.23	P2.6	J6-35	P2.7
P0.25	P2.8	J6-37	P2.9
P0.27	P2.10	J6-39	P2.11 SCK
P0.28	P3.0	J6-41	P3.1
P1.6	P3.2	J6-43	P3.3
Gnd	Gnd	J6-45	Vout (+3.3V)
Gnd	Gnd	J6-47	Vout (+3.3V)
Vin (4.5-5.5V)	Vin (4.5 – 5.5v)	J6-49	Vbat

**LPCXpresso Base Board  
Expansion Connector**

<b>LPC1769</b>	<b>LPC1343</b>			<b>LPC1343</b>	<b>LPC1769</b>
Gnd	Gnd	J6-1	J6-2	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-3	J6-4	Vout (+3.3V)	Vout (+3.3V)
Reset	P0.0 Reset	J6-5	J6-6	P0.1	P0.4 CAN_Rx2
P0.6 SSEL1	P0.2 SSEL	J6-7	J6-8	P0.3	P0.5 CAN_Tx2
P0.11 Rx/D2/SCL2	P0.4 I2C-SCL	J6-9	J6-10	P0.5 I2C-SDA	P0.10 Tx/D2/SDA2
P0.21	P0.6	J6-11	J6-12	P0.7	P0.18 MOSI0
P0.8 MISO1	P0.8 MISO	J6-13	J6-14	P0.9 MOSI/SWO	P0.9 MOSI1
P0.22	P0.10 SWCLK	J6-15	J6-16	P0.11 AD0	P0.23 AD0.0
P0.24 AD0.1	P1.0 AD1	J6-17	J6-18	P1.1 AD2	P0.25 AD0.2
P0.26 AD0.3/Aout	P1.2 AD3	J6-19	J6-20	P1.3 AD4/SWDIO	P1.30 AD0.4
P1.31 AD0.5	P1.4 AD5	J6-21	J6-22	P1.5	P0.23
P0.1 Rx/D3/SCL1	P1.6 Rx/D	J6-23	J6-24	P1.7 Tx/D	P0.0 Tx/D3/SDA1
P0.3	P1.8	J6-25	J6-26	P1.9	P2.0 PWM1.1
P2.1 PWM1.2	P1.10	J6-27	J6-28	P1.11	P2.2 PWM1.3
P0.17 MISO0	P2.0	J6-29	J6-30	P2.1	P0.15 Tx/D1/SCK0
P0.16 Rx/D1/SSEL0	P2.2	J6-31	J6-32	P2.3	P2.3 PWM1.4
P2.4 PWM1.5	P2.4	J6-33	J6-34	P2.5	P2.5 PWM1.6
P2.6	P2.6	J6-35	J6-36	P2.7	P2.7
P2.8	P2.8	J6-37	J6-38	P2.9	P2.10
P2.11	P2.10	J6-39	J6-40	P2.11 SCK	P0.7 SCK1
P0.27	P3.0	J6-41	J6-42	P3.1	P0.28
P2.13	P3.2	J6-43	J6-44	P3.3	P2.12
Gnd	Gnd	J6-45	J6-46	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-47	J6-48	Vout (+3.3V)	Vout (+3.3V)
Vin (4.5-5.5V)	Vin (4.5 – 5.5v)	J6-49	J6-50	Vbat	Vbat

### LPCXpresso Base Board Expansion Connector

mbed	LPC1343			LPC1343	mbed
Gnd	Gnd	J6-1	J6-2	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-3	J6-4	Vout (+3.3V)	Vout (+3.3V)
nR (reset)	P0.0 Reset	J6-5	J6-6	P0.1	CAN-RD
GPIO	P0.2 SSEL	J6-7	J6-8	P0.3	CAN-TD
UART3-RX / I2C2-SCL	P0.4 I2C-SCL	J6-9	J6-10	P0.5 I2C-SDA	UART3-TX / I2C2-SDA
not used	P0.6	J6-11	J6-12	P0.7	SPI2-MOSI
SPI1-MISO	P0.8 MISO	J6-13	J6-14	P0.9 MOSI/SWO	SPI1-MOSI
not used	P0.10 SWCLK	J6-15	J6-16	P0.11 AD0	AIN0
AIN1	P1.0 AD1	J6-17	J6-18	P1.1 AD2	AIN2
AIN3 / AOUT	P1.2 AD3	J6-19	J6-20	P1.3 AD4/SWDIO	AIN4
AIN5	P1.4 AD5	J6-21	J6-22	P1.5	not used
UART1-RX / I2C1-SCL	P1.6 RxD	J6-23	J6-24	P1.7 TxD	UART1-TX / I2C1-SDA
not used	P1.8	J6-25	J6-26	P1.9	PWMOUT0
PWMOUT1	P1.10	J6-27	J6-28	P1.11	PWMOUT2
SPI2-MISO	P2.0	J6-29	J6-30	P2.1	SPI2-SCL / UART2-TX
UART2-RX	P2.2	J6-31	J6-32	P2.3	PWMOUT3
PWMOUT4	P2.4	J6-33	J6-34	P2.5	PWMOUT5
not used	P2.6	J6-35	J6-36	P2.7	not used
not used	P2.8	J6-37	J6-38	P2.9	not used
not used	P2.10	J6-39	J6-40	P2.11 SCK	SPI1-SCK
not used	P3.0	J6-41	J6-42	P3.1	not used
not used	P3.2	J6-43	J6-44	P3.3	not used
Gnd	Gnd	J6-45	J6-46	Vout (+3.3V)	Vout (+3.3V)
Gnd	Gnd	J6-47	J6-48	Vout (+3.3V)	Vout (+3.3V)
Vin (4.5 – 14v)	Vin (4.5 – 5.5v)	J6-49	J6-50	Vbat	not used