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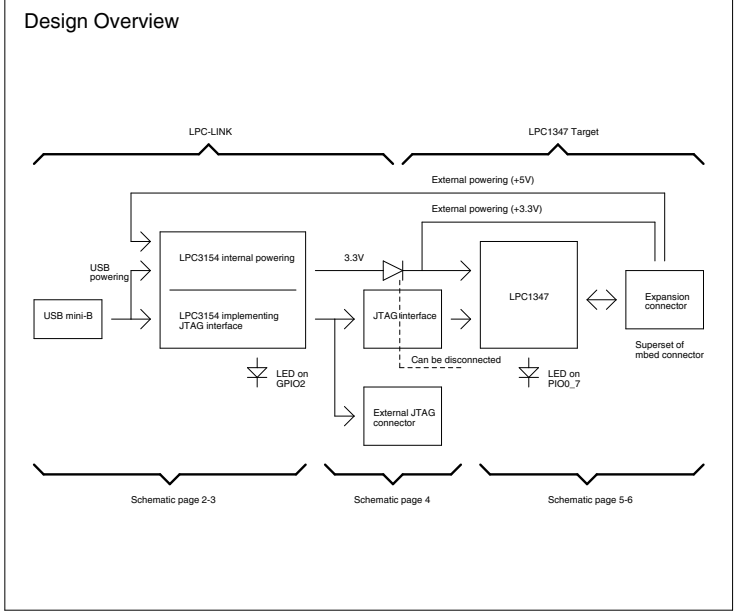
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For any questions, you can email us directly:


sales@integrated-circuit.com

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Page 3	LPC3154 Digital I/O
Page 4	JTAG Interface
Page 5	LPC1347
Page 6	Expansion connector



UL = UnLoaded = normally not mounted component.

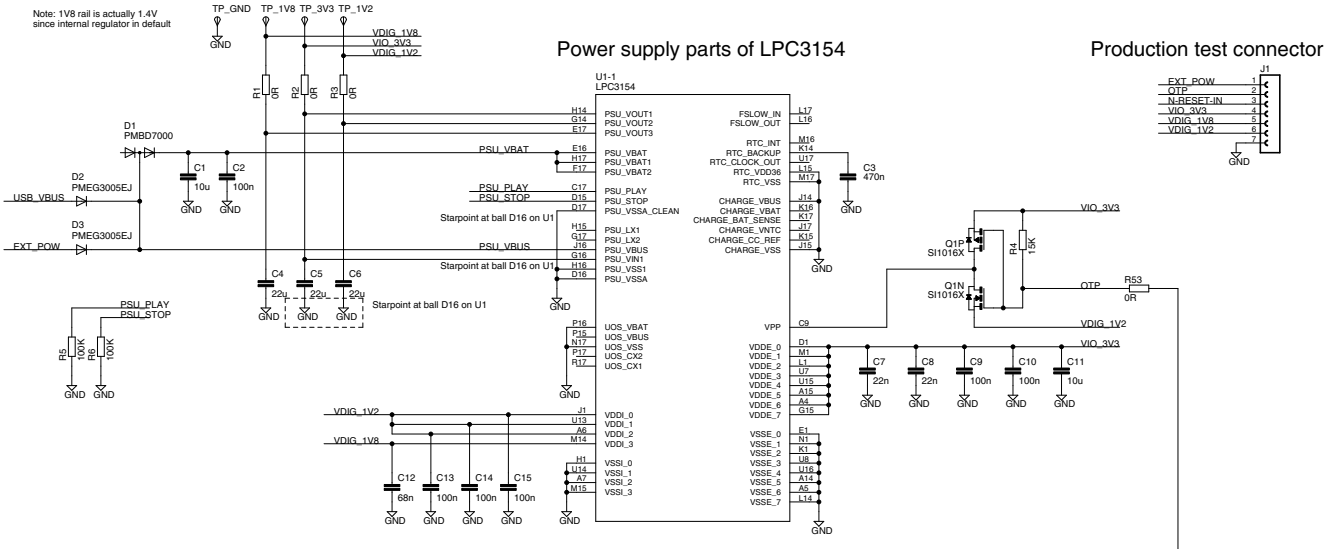
Default jumper settings are indicated in the schematic. However, always check jumper positions on actual boards since there is no guarantee that all jumpers are in default place.

	
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Note: 1V8 rail is actually 1.4V since internal regulator in default

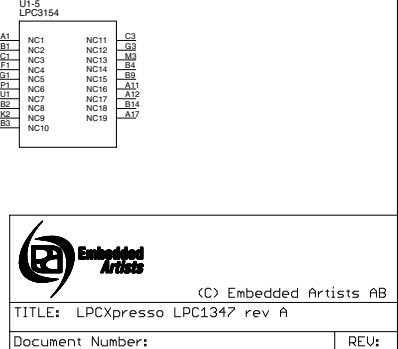
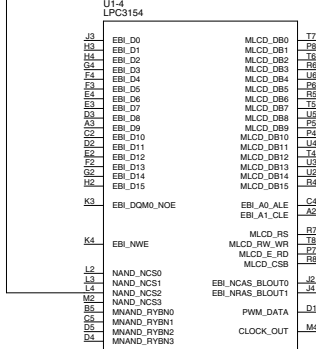
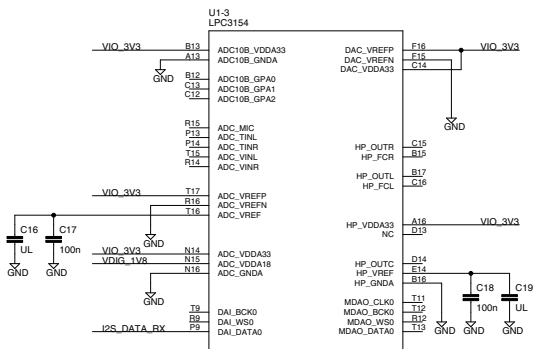
Power supply parts of LPC3154

Production test connector



Analog parts of LPC3154

Not used parts of LPC3154



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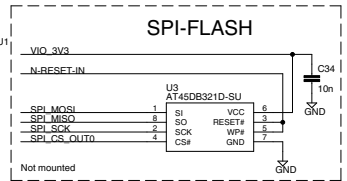
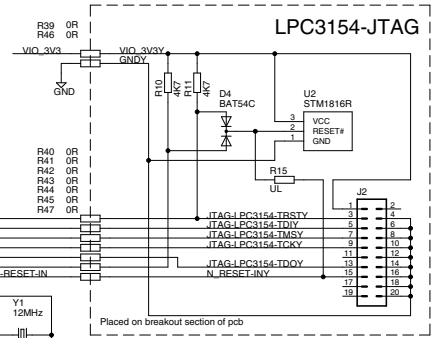
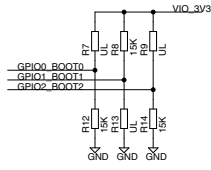
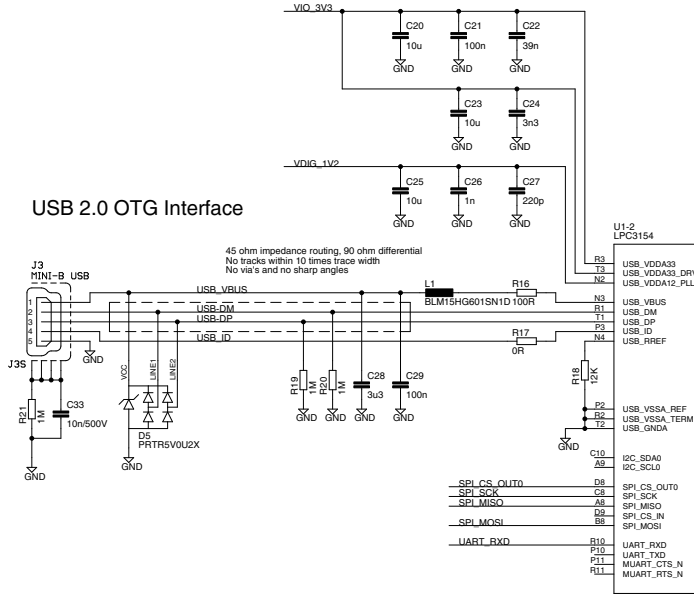
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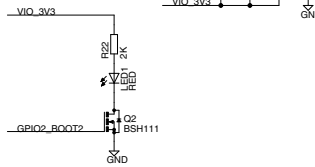
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Boot mode - USB via DFU class

USB 2.0 OTG Interface

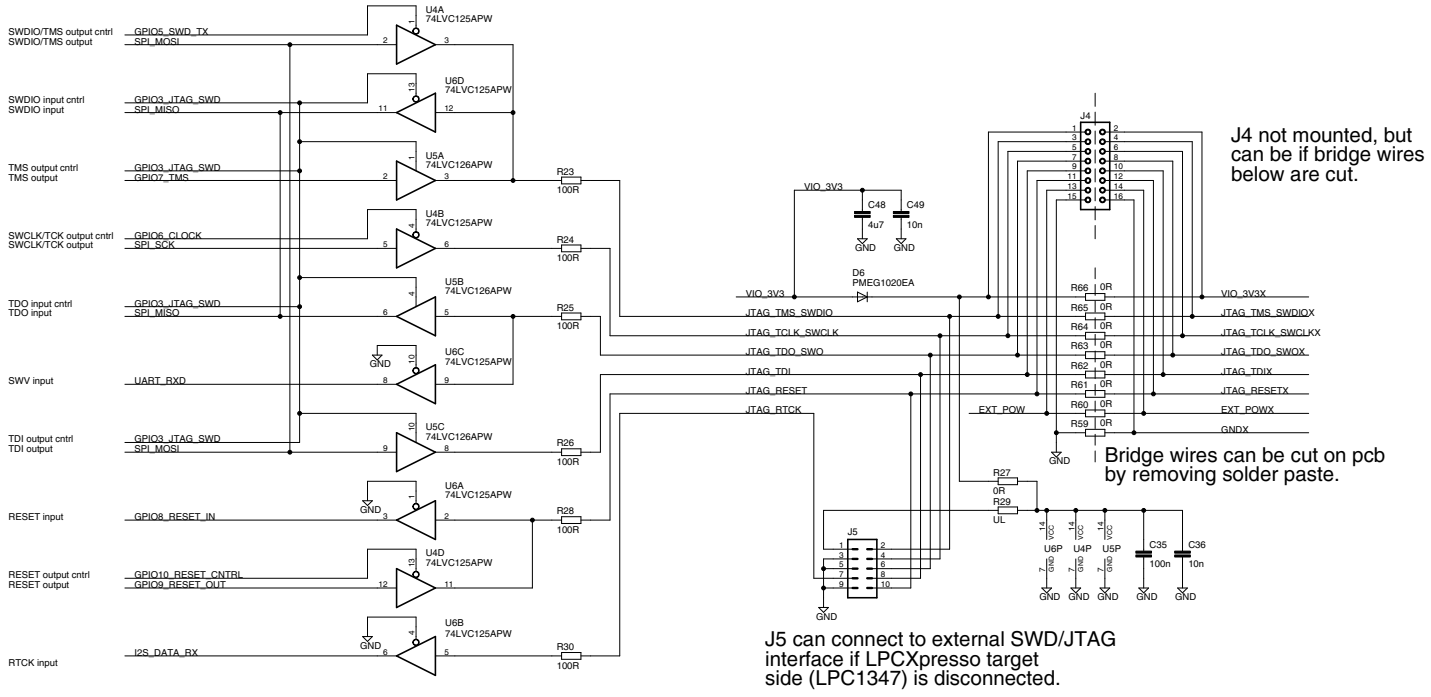


LED



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SWD/JTAG Interface



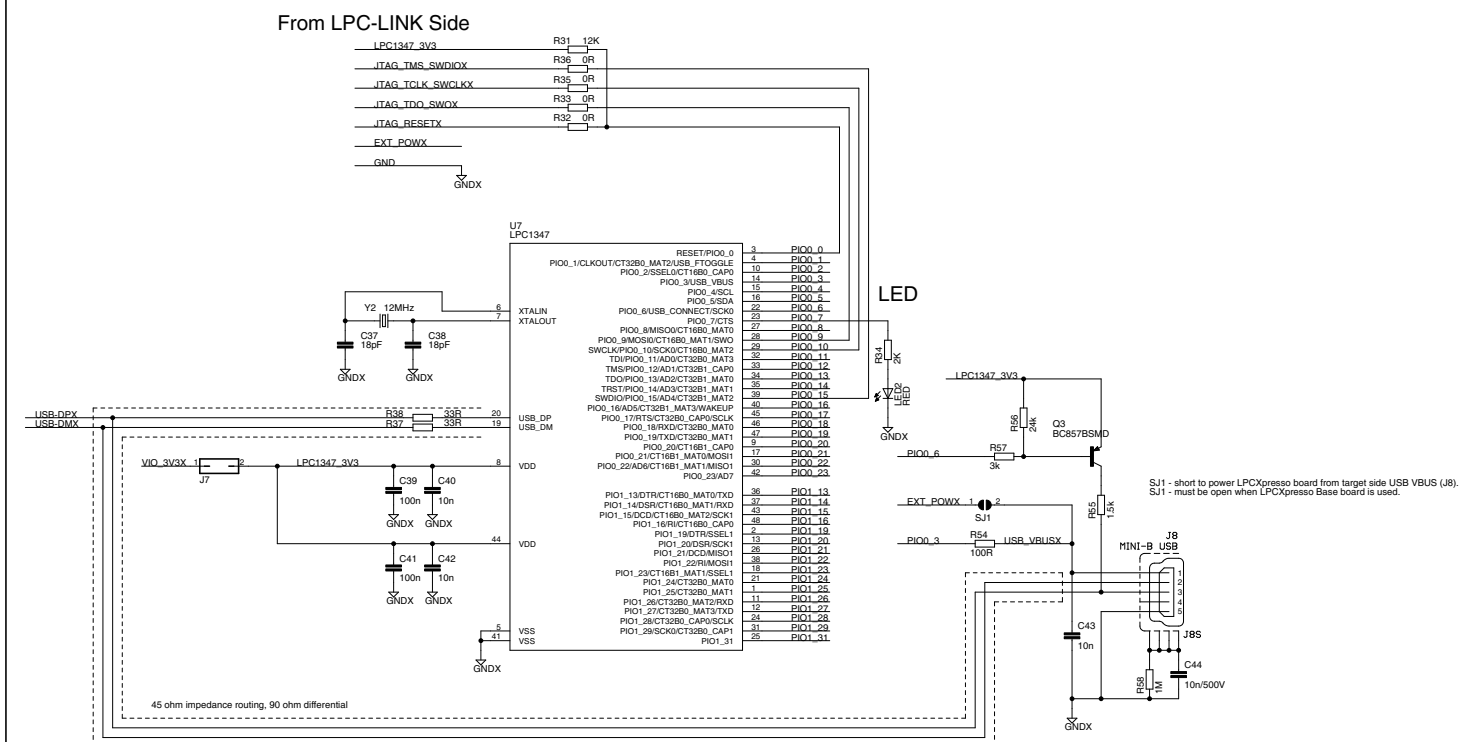
J5 can connect to external SWD/JTAG interface if LPCXpresso target side (LPC1347) is disconnected.



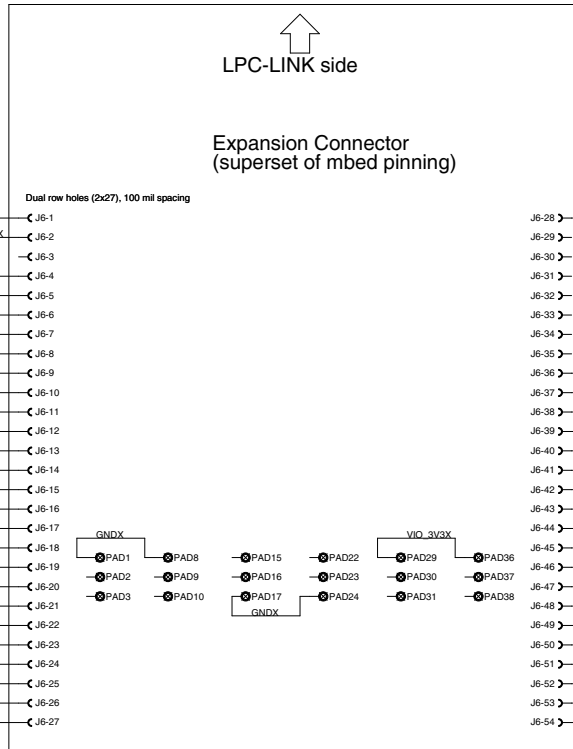
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LPC1347 Target Side



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mbed	LPCXpresso
GND	GND
VIN (4.5-14V)	VIN (4.5-5.5V)
VB (battery supply)	not used
nR (reset)	PIO0_0 RESET
SPI1-MOSI	PIO0_9 MOSI0/SWO
SPI1-MISO	PIO0_8 MISO0
SPI1-SCK	PIO1_29 SCK0
GPIO	PIO0_2 SSEL0
UART1-TX / I2C1-SDA	PIO0_19 TXD
UART1-RX / I2C1-SCL	PIO0_18 RXD
SP12-MOSI	PIO0_7
SP12-MISO	PIO1_19
SP12-SCL / UART2-TX	PIO1_20
UART2-RX	PIO1_21
AIN0	PIO0_11 AD0
AIN1	PIO0_12 AD1
AIN2	PIO0_13 AD2
AIN3 / AOUT	PIO0_14 AD3
AIN4	PIO0_15 AD4/SWDIO
AIN5	PIO0_16 AD5
	PIO0_17
	PIO0_20
	PIO0_6 USB_SOFT_CONN
	PIO0_10 SWCLK
	PIO1_13
	PIO1_14
	PIO1_15

LPCXpresso	mbed
VOUT (+3.3V out) if self powered, else +3.3V input	VOUT (3.3V out)
not used	VU (5.0V USB out)
not used	IF+
not used	IF-
not used	RD- (Ethernet)
not used	RD+ (Ethernet)
not used	TD- (Ethernet)
not used	TD+ (Ethernet)
USB-DMX	USB-DM
USB-DPX	D- (USB)
PIO0_1	D+ (USB)
PIO0_3	CAN-RD
PIO0_5	CAN-TD
PIO0_4	UART3-TX / I2C2-SDA
PIO0_21	I2C-SCL
PIO0_22	UART3-RX / I2C2-SCL
PIO0_23	PWMOUT0
PIO1_22	MAT=PWM
PIO1_23	PWMOUT1
PIO1_24	MAT=PWM
PIO1_25	PWMOUT2
PIO1_26	PWMOUT3
PIO1_27	PWMOUT4
PIO1_28	PWMOUT5
PIO1_31	
PIO1_16	
GND	



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