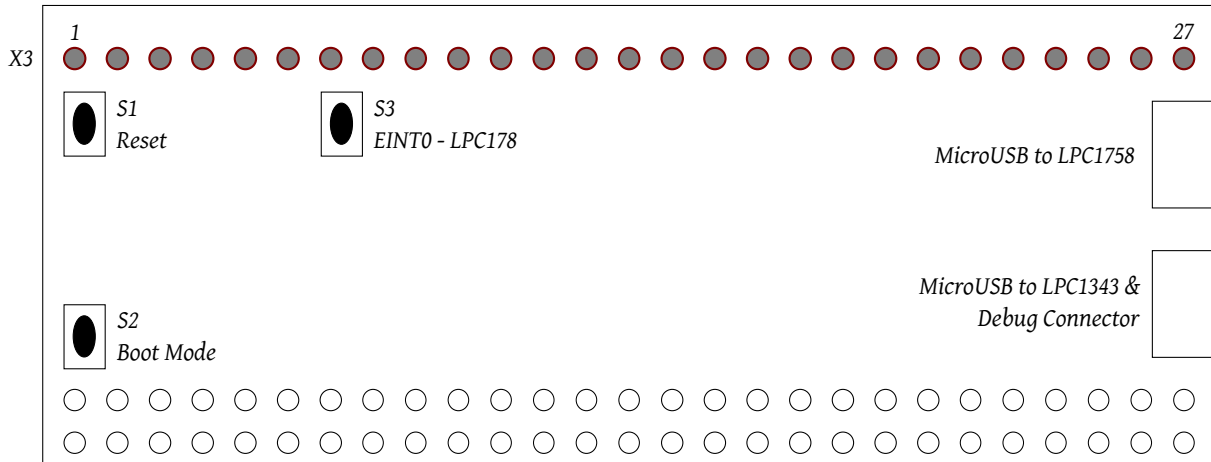


eStick2 - Connector X3 Pinning

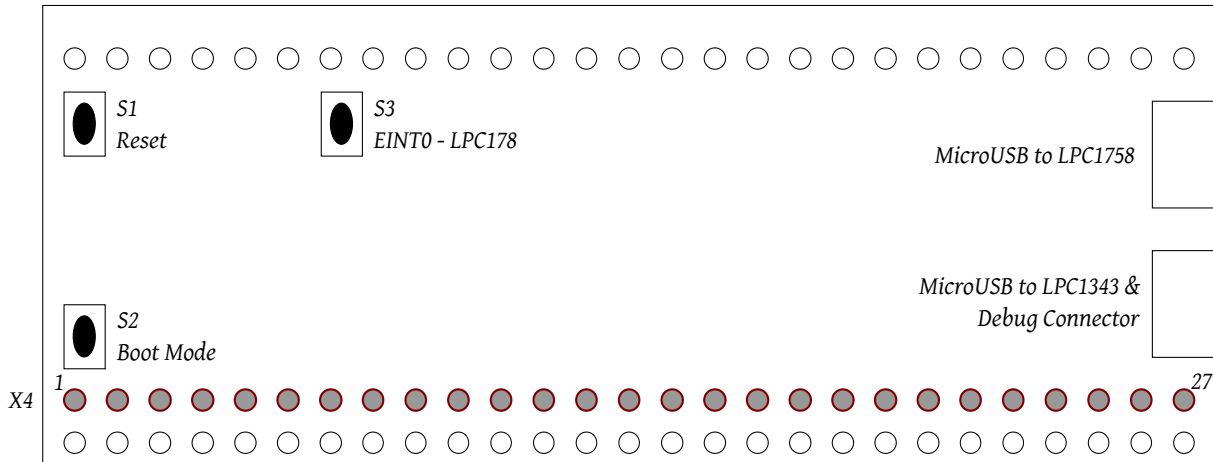
LPC1758



X3	LPC1758	Netname	LPC1758 Peripherals	LPCXPRESSO Baseboard
1		3V3	3v3	3V3
2		VBUS2	VBUS2	VBUS
3		D+_LPC1343	IF+ (D+) (LPC1343)	NC
4		D-_LPC1343	IF- (D-) (LPC1343)	NC
5		RX-	RX- (ETH PHY)	ETH - RX-
6		RX+	RX+ (ETH PHY)	ETH - RX+
7		TX-	TX- (ETH PHY)	ETH - TX-
8		TX+	TX+ (ETH PHY)	ETH - TX+
9	23	D-_LPC1758	P0_30 / D-	USB D-
10	22	D+_LPC1758	P0_29 / D+	USB D+
11	51	RD/BB_BUTTON_BL/USB2UART_RTS#_OUT	P2_7 / Bootloader / RD2 / RTS1	CAN - RD, Button - Bootloader, USB to UART - RTS# Out
12	50	TD/VBUS_SENSE	P2_8 / TD2 / Vbus Sense	CAN - TD, VBUS-Sense
13	37	SDA_BB	P0_0 / SDA1	I2C - Portexpander, EEPROM, Accelerometer,
14	38	SCL_BB	P0_1 / SCL1	I2C - Light sensor, I2C to UART, OLED
15	39	RGB_R/RX_ENABLE	P0_10 / MAT30 / GPIO	RGB - Red, RS422 - RX Enable
16	40	RGB_G/OLED_SHDN#	P0_11 / MAT31 / GPIO	RGB - Green, OLED - SHDN#
17	17	LED/SSEL_MMC_FLASH_7GEG	P1_31 / GPIO	LED, SSEL - MMC, Flash, 7-Segment
18	55	JOY_UL	P2_3 / GPIO	Joystick - Up Left
19	54	JOY_DL	P2_4 / GPIO	Joystick - Down Left
20	53	LED/INT_ACCEL_LIGHTSENS_I2C2UART	P2_5 / GPIO / Ext. Int	LED, Interrupt - Accel. (Int1), Light Sensor, I2C to UART
21	41	P2_10/OB_BUTTON_3	P2_10 / Ext. Int	NC
22	28	OLED_D/C#	P1_22 / GPIO	OLED - D/C#
23	26	I2CSPI2UART_SSEL	P1_19 / GPIO	I2C/SPI to UART - SSEL
24	11	RESET_OUT#	Reset Out #	NC
25	36	SD/MMC_CARDDTECT	P1_29 / GPIO	MMC - Card detect
26	8	VDDA	VDDA	NC
27		GND	GND	GND

eStick2 - Connector X4 Pinning

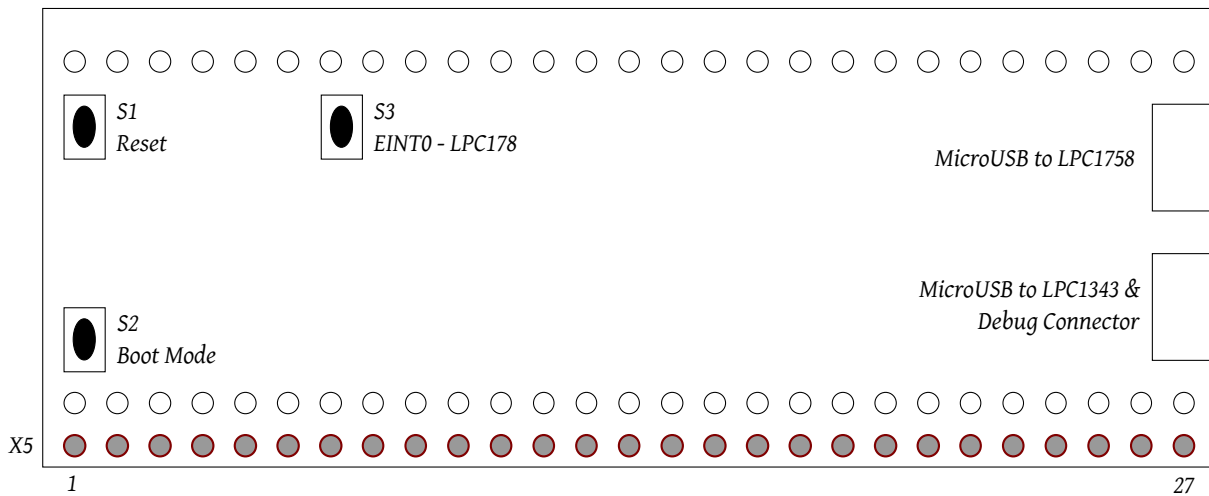
LPC1758



X4	LPC1758	Netname	LPC1758 Peripherals	LPCXPRESSO Baseboard
1		GND	GND	GND
2		VIN	VIN	VIN
3	16	VBAT	VBAT	VBAT
4	14	RESET#/SRST#	Reset# / SRST#	Reset Button + Peripherals Reset In
5	61	MOSI	P0_9 / MOSI	MOSI - MMC/SD Card, Flash, 7-Segment, I ² C / SPI to UART, OLED
6	62	MISO	P0_8 / MISO	MISO - MMC/SD Card, Flash, 7-Segment, I ² C / SPI to UART, OLED
7	63	SCK	P0_7 / SCK	SCK - MMC/SD Card, Flash, 7-Segment, I ² C / SPI to UART, OLED
8	25	TOUT/OLED_CS#	P1_18 / CAP10	Temp Sens - Tout, OLED - CS#
9	47	TXD_BB	P0_15 / TXD1	TXD - USB to UART, Xbee, RS422
10	48	RXD_BB	P0_16 / RXD1	RXD - USB to UART, Xbee, RS422
11	46	XBEE_CTS#	P0_17 / CTS1	Xbee - CTS#
12	60	JOY_CENT/XBEE_DTR#	P2_0 / GPIO	Joystick - Center, Xbee DTR#
13	59	JOY_DR	P2_1 / GPIO	Joystick - Down Right
14	58	JOY_UR	P2_2 / GPIO	Joystick - Up Right
15	7	AN_IN_POT	P0_25 / ADC02	Analog in (Potentiometer)
16	27	QUAD_1	P1_20 / MCI0	Quadrature Switch
17	29	QUAD_2	P1_23 / MCI1	Quadrature Switch
18	64	RGB_B/SPEAKTER_PWM	P0_6 / MAT20 - PWM	RGB - B, Speaker - PWM In
19		PIO1_3/SWDIO	PIO1_3 (LPC 1343)	NC
20	6	BUTTON_WKUP/BNC_IN	P0_26 / GPIO / AD03	Button - Wakeup, BNC - In
21	44	XBEE_RTS#	P0_22 / RTS1	Xbee - RTS#
22	52	ACCEL_INT2/TX_ENABLE	P2_6 / Ext. Int (PCAP10)	Accelerometer - Int2, RS422 - TX Enable
23	49	USB_CON	P2_9 / TD, Vbus Sense	USB Connect
24		PIO0_10/SWCLK	PIO0_10 (LPC 1343)	NC
25	32	AMP_CLK	P1_26 / GPIO	AMP - CLK
26	30	AMP_UP/DOWN	P1_24 / GPIO	AMP - Up/Down
27	31	AMP_SHDWN	P1_25 / GPIO	AMP - Shudtown

eStick2 - Connector X5 Pinning

LPC1343



X5	LPC1343	Netname	LPC1343 Peripherals	eStick2 Onboard Peripherals
1		GND		
2		3V3		
3	25	PIO1_3/SWDIO	ADC, SWDIO	
4	2	RESET#/SRST#	Reset	
5	18	PIO0_9/SWO	MOSI, SWO	
6	17	PIO0_8	MISO	
7	19	PIO0_107SWCLK	SWCLK, SCK	
8	8	PIO0_2/OB_ACCEL_INT#	SSEL, CAPCOM	
9	32	OB_RXD_1758/PIO1_7/LED4	TXD	RXD of LPC1758, LED 4
10	31	OB_TXD_1758/PIO1_6/LED3	RXD	TXD of LPC1758, LED 3
11	16	PIO0_7	CTS#	
12	30	PIO1_5/TMS/LED2	RTS#	LED 2
13	11	PIO0_5/OB_ACCEL_SDA	SDA	Accelerometer - SDA
14	10	PIO0_4/OB_ACCEL_SCL	SCL	Accelerometer - SCL
15	21	PIO0_11	ADC	
16	22	PIO1_0	ADC	
17	23	PIO1_1	ADC	
18	24	LED_RED_EN	ADC	LED red enable
19	26	PIO1_4/TDI/LED1	ADC, Wakeup	LED 1
20	7	PIO1_8/TCK/LED5	CAPCOM	LED 5
21	12	PIO1_9/TDO/LED6	GPIO	LED 6
22	20	PIO1_10/TRST#/LED7	ADC	LED 7
23	27	PIO1_11/LED8	ADC	LED 8
24	3	PIO0_1/OB_BUTTON_2	CLK Out, Ftoggle	Button 2
25	15	USB_CON_LPC1343	USB Con., SCK	
26		VIN		
27		VBUS1		

eStick2 - LEDs, USB, and Buttons

LPC1343

