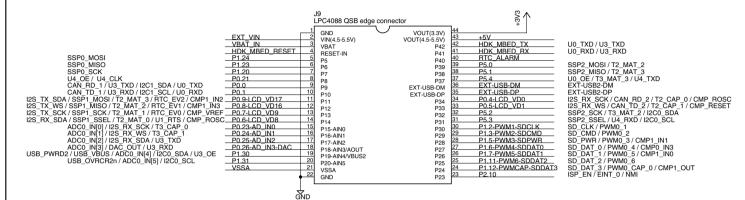
Expansion Connectors

mbed Interface



mbed LPC1768	LPC4088 QuickStart Board
GND	GND
VIN (4-11V)	VIN (4.5-5.5V) Note reduced voltage range!
VBAT	VBAT
RESET	RESET
SPI1-MOSI	SSP0_MOSI
SPI-MISO SPI1-MISO	SSP0_MISO
SPI1-SCK	SSP0_SCK
GPIO	U4_OE / U4_CLK
UART1-TX/I2C1-SDA	CAN_RD_1 / U3_TXD / I2C1_SDA / U0_TXD
UART1-RX/I2C1-SCL	CAN_TD_1 / U3_RXD / I2C1_SCL / U0_RXD
SPI2-MOSI	I2S_TX_SDA / SSP1_MOSI / T2_MAT_3 / RTC_EV2 / CMP1_IN2
SPI2-MISO	I2S_TX_WS / SSP1_MISO / T2_MAT_2 / RTC_EV1 / CMP1_IN3
SPI2-SCK/UART2-TX	I2S_TX_SCK / SSP1_SCK / T2_MAT_1 / RTC_EV0 / CMP_VREF
UART2-RX	I2S_RX_SDA/SSP1_SSEL/T2_MAT_0/U1_RTS/CMP_ROSC
AIN0	ADC0_IN[0] / I2S_RX_SCK / T3_CAP_0
AIN1	ADC0_IN[1] / I2S_RX_WS / T3_CAP_1
AIN2	ADC0_IN[2] / I2S_RX_SDA / U3_TXD
AIN3/AOUT	ADC0_IN[3] / DAC_OUT / U3_RXD
AIN4	USB_PWRD2 / USB_VBUS / ADC0_IN[4] / I2C0_SDA / U3_OE (Note: used by USB2 Device interface)
AIN5	USB_OVRCR2n / ADC0_IN[5] / I2C0_SCL
	VSSA
	GND

mbed LPC1768	LPC4088 QuickStart Board
VOUT 3.3V	VOUT 3.3V
VOUT 5V	VOUT 5V Note: not current limited!
NC	U0_TXD / U3_TXD
NC	U0_RXD / U3_RXD
ETH-RDN	RTC ALARM
ETH-RDP	SSP2_MOSI / T2_MAT_2
ETH-TDN	SSP2_MISO / T2_MAT_3
ETH-TDP	U0_OE / T3_MAT_3 / U4_TXD
USB-DM	EXT-USB2-DM
USB-DP	EXT-USB2-DP
CAN-RD	I2S_RX_SCK / CAN_RD_2 / T2_CAP_0 / CMP_ROSC
CAN-TD	I2S_RX_WS / CAN_TD_2 / T2_CAP_1 / CMP_RESET
UART3-TX/I2C2-SDA	SSP2_SCK / T3_MAT_2 / I2C0_SDA
UART3-RX/I2C2-SCL	SSP2_SSEL / U4_RXD / I2C0_SCL
PWMOUT0	SD_CLK / PWM0_1
PWMOUT1	SD_CMD / PWM0_2
PWMOUT2	SD_PWR / PWM0_3 / CMP1_IN1
PWMOUT3	SD_DAT_0 / PWM0_4 / CMP0_IN3
PWMOUT4	SD_DAT_1/PWM0_5/CMP1_IN0
PWMOUT5	SD_DAT_2/PWM0_6
	SD_DAT_3/PWM0_CAP_0/CMP1_OUT
	ISP_EN / EINT_0 / NMI

Display Interface

FH26-61S-0.3SHW(05) or 5034256191 P0.4-LCD_VD0 P0.5-LCD_VD1 .18-1 — 18-3 P4.28-LCD_VD2 - J8-4 - J8-5 P4.29-LCD VD3 - .18-6 P2.6-TCLK-LCD_VD4 ___ J8-8 ___ J8-9 __P0.10-LCD_VD5 − J8-10 - J8-11 P2.8-LCD_VD6 - J8-12 - J8-13 P2.9-LCD VD7 - J8-14 ____ J8-15 ____ J8-16 P0,6-LCD_VD8 P0.7-LCD VD9 — J8-17 P0.11-LCD_VD10 J8-18 — J8-19 P1.21-LCD_VD11 - J8-20 - J8-21 P1.22-LCD_VD12 - J8-22 J8-23 P0.19-LCD VD13 - J8-24 ___ J8-25 ___ J8-26 P0.20-LCD_VD14 - J8-27 P1.25-LCD_VD15 P0.8-LCD_VD16 - .18-28 - J8-29 P0.9-LCD_VD17 - J8-30 - J8-31 P2.12-LCD_VD18 ─**-** J8-32 - J8-33 P2.13-LCD_VD19 - J8-34 ___ J8-35 ___ J8-36 P1.26-LCD VD20 - J8-37 P1.27-LCD_VD21 - .18-38 - J8-39 P1.28-LCD_VD22 -- .18-40 - J8-41 P1.29-LCD_VD23 ___ J8-42 ___ J8-43 P2.11-LCD CLKIN − J8-44 - J8-45 P2.2-TD3-LCD_DCLK **−** J8-47 P2.4-TD1-LCD ENA - J8-48 - J8-49 P2.3-TD2-LCD FP - J8-50 - J8-51 P2.5-TD0-LCD_LP P2.1-LCD_LE ___ J8-52 ___ J8-53 P0.27-SDA0 - J8-54 P0.28-SCL0 - J8-55 - J8-56 P2.23 - J8-57 P2.26 - J8-58 P2.27 P2.21 - J8-59 - J8-60 - J8-61 GND



(C) Embedded Artists AB

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