

ATSAM3U4C pins used by DLN-4M|S

J5pin	VirtualPin	PinNumber	RealPin	Peripheral A	Peripheral B	Extra Function	Description
1	A.0	27	PA1	TIOA0	SPI_SS2	WKUP1	SPI Master 0: SS2
2	A.1	24	PA25	TWCK1	SCK2	WKUP12	
3	A.2	19	PA20	UART1_TX	PWMH3	WKUP9	UART1_TX
4	A.3	13	PA16	SPI_SS0	NCS1	WKUP5	SPI Mater 0: SS0
5	A.4	10	PA13	SPI_MISO			SPI Master 0: MISO
6	A.5	6	PA30	TF	TIOA2	ADC0	ADC 0 (12Bit): Channel 1
7	A.6	86	PA31	RF	TIOB2		
8	A.7	84	PA28	TK	PWM0		PWM 0: Channel 0
9			VDD33				
10	B.0	38	PA9	I2C_SDA	PWM2		I2C Master 0: SDA/ PWM 0: Channel 2
11	B.1	26	PA0	TIOB0	SPI_SS1	WKUP0	SPI Master 0: SS1
12	B.2	23	PA24	TWD1	SCK1	WKUP11	
13	B.3	18	PA19	UART0_RX	SPI_SS3	WKUP8	SPI Master 0: SS3/UART0_RX
14	B.4	12	PA15	SPI_SCK	PWMH2		SPI Master 0: SCK
15	B.5	8	PB4	TCLK1	A6	AD12B3	ADC 0 (12Bit): Channel 3/ Pulse Counter 0: Channel 1
16	B.6	5	PA22	TXD2	RTS1	AD12B0	ADC 0 (12Bit): Channel 0
17	B.7	85	PA29	RK	PWM1		PWM 0: Channel 1
18			GND				
19	C.0	39	PA10	I2C_SCL	PWML3	WKUP4	I2C Master 0: SCL
20	C.1	28	PA2	TCLK0	PLS_CNT0	WKUP2	Pulse Counter 0: Channel 0
21	C.2	25	PA26		PLS_CNT2	WKUP12	Pulse Counter 0: Channel 2
22	C.3	20	PA21	TWCK1	UART1_RX		UART1_RX
23	C.4	17	PA18	TXD0	UART0_TX		UART0_TX
24	C.5	11	PA14		SPI_MOSI		SPI Master 0: MOSI
25	C.6	7	PB3	PWMH3	A5	AD12B2	PWM 0: Channel 3/ADC 0 (12Bit): Channel 2
26	C.7	96	PA27				
							3.3V
J3pin	VirtualPin	PinNumber	RealPin	Peripheral A	Peripheral B	Extra Function	SpecialFunction3
1	E.0	29	PA3	MCCCK	PCK1		ADC 1 (10Bit): Channel 2
2	E.1	30	PA4	MCCDA	PWMH0		ADC 1 (10Bit): Channel 3
3	E.2	31	PA5	MCDA0	PWMH1		ADC 1 (10Bit): Channel 0
4	E.3	32	PA6	MCDA1	PWMH2		ADC 1 (10Bit): Channel 1
5	E.4	33	PA7	MCDA2	PWML0		

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6	E.5	37	PA8	MCDA3	PWML1		
7			VDD33				3.3V
8			VDD33				3.3V
9			GND				GND
10			GND				GND
11	E.6	63	PB22	A21/NANDALE	RTS2		
12	E.7	62	PB23	A22/NANDCLE	CTS2		
13	F.0	65	PB20	NCS0	PWML3		
14	F.1	64	PB21	A21/NANDALE	RTS2		
15	F.2	67	PB18	NANDWE	PWML1		
16	F.3	66	PB19	NRD	PWML2		
17	F.4	69	PB14	D5	PWMH1		
18	F.5	68	PB17	NANDOE	PWML0		
19	F.6	71	PB9	D0	DTR0		
20	F.7	70	PB10	D1	DSR0		
J4pin	VirtualPin	PinNumber	RealPin	Peripheral A	Peripheral B	Extra Function	
1	D.0	99	PB7	RTS0	A0/NBS0	AD2	
2	D.1	100	PB8	CTS0	A1	AD3	
3	D.2	97	PB5	TIOA1	A7	AD0	
4	D.3	98	PB6	TIOB1	D15	AD1	
5	D.4	94	PB12	D3	RI0		
6	D.5	95	PB13	D4	PWMH0		
7	D.6	92	PB2	PWMH2	A4	WKUP15	
8	D.7	93	PB11	D2	DCD0		
9			VDD33				3.3V
10			GND				GND
		51		TDI			Jtag Debug
		54		TDO/TRACESWO			Jtag Debug
		55		TMS/SWDIO			Jtag Debug
		56		TCK/SWCLK			Jtag Debug
		57		NRST			Controller reset
		1	VDDANA				Analog power 3.3V
		2	ADVREF				ADC reference
		9	VDDCORE				Power 1.8V in

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		34	VDDCORE			Power 1.8V in
		59	VDDCORE			Power 1.8V in
		73	VDDPLL			Power 1.8V in
		83	VDDCORE			Power 1.8V in
		87	VDDCORE			Power 1.8V in
		52	VDDOUT			Power 1.8V out
		22	VDDIO			Digital power 3.3V
		36	VDDIO			Digital power 3.3V
		53	VDDIN			Digital power 3.3V
		60	VDDIO			Digital power 3.3V
		88	VDDIO			Digital power 3.3V
		3	GNDANA			Analog Ground
		35	GND			Digital Ground
		61	GND			Digital Ground
		72	GND			Digital Ground
		89	GND			Digital Ground
		74	XOUT			Oscillator Output
		75	XIN			Oscillator Input
		77	DHSDM			Usb data -
		76	DHSDP			Usb data +
		78	VBG			Bias Voltage Reference
		41	Boot			
		43	ERASE			Flash and NVM Configuration