	Mega/Due			IDE pin name	EEZ Arduino shield+BP r1B12b			
#	Pin name	Pin no.	IRQ*		Pin name	Type	Level shift	Description
1	PE0	2		0	–	–	–	–
2	PE1	3		1	–	–	–	–
3	PE4	6	0	2	TOUCH_IRQ	Digital in	Yes	Touch screen interrupt request
4	PE5	7	1	3	TOUCH_DOUT	Digital in	Yes	Touch screen data out
5	PG5	1		4	LED_CC1	Digital out	No	Ch#1 CC LED indication
6	PE3	5		5	LED_CV1	Digital out	No	Ch#1 CV LED indication
7	PH3	15		6	BP_OE**	Digital out	Yes	TLC5925 16-output driver output enable
8	PH4	16		7	LCD_BRIGHTNESS	PWM 8-bit	Yes	LCD background control (0=max. brightness)
9	PH5	17		8	RTC_SELECT	Digital out	Yes	PCA21125 RTC chip select
10	PH6	18		9	BP_SELECT**	Digital out	Yes	TLC5925 16-output driver select
11	PB4	23		10	–	–	–	–
12	PB5	24		11	ETH_SELECT	Digital out	Yes	ENC28J60-I/SS Ethernet chip select
13	PB6	25		12	BUZZER	PWM 8-bit	No	Buzzer
14	PB7	26		13	–	–	–	–
15	PJ1	64		14	ISOLATOR1_EN	Digital out	Yes	Ch#1 Data out (MISO) enable
16	PJ0	63		15	ADC1_SELECT	Digital out	Yes	Ch#1 ADS1120 ADC chip select
17	PH1	13		16	DAC1_SELECT	Digital out	Yes	Ch#1 DAC8552 DAC chip select
18	PH0	12		17	IO_EXPANDER1	Digital out	Yes	Ch#1 MCP23S08 8-bit expander chip select
19	PD3	46	5	18	ETH_IRQ	Digital in	Yes	ENC28J60-I/SS Ethernet interrupt request
20	PD2	45	4	19	RTC_IRQ	Digital in	Yes	PCA21125 RTC interrupt request
21	PD1	44	3	20	CONVEND2	Digital in	Yes	Ch#2 DRDY/Interrupt
22	PD0	43	2	21	CONVEND1	Digital in	Yes	Ch#1 DRDY/Interrupt
23	PA0	78		22	LCD_DB8	Digital out	Yes	LCD Data I/O 8
24	PA1	77		23	LCD_DB9	Digital out	Yes	LCD Data I/O 9
25	PA2	76		24	LCD_DB10	Digital out	Yes	LCD Data I/O 10
26	PA3	75		25	LCD_DB11	Digital out	Yes	LCD Data I/O 11
27	PA4	74		26	LCD_DB12	Digital out	Yes	LCD Data I/O 12
28	PA5	73		27	LCD_DB13	Digital out	Yes	LCD Data I/O 13
29	PA6	72		28	LCD_DB14	Digital out	Yes	LCD Data I/O 14
30	PA7	71		29	LCD_DB15	Digital out	Yes	LCD Data I/O 15
31	PC7	60		30	LCD_DB7	Digital out	Yes	LCD Data I/O 7
32	PC6	59		31	LCD_DB6	Digital out	Yes	LCD Data I/O 6

33	PC5	58	32	LCD_DB5	Digital out	Yes	LCD Data I/O 5
34	PC4	57	33	LCD_DB4	Digital out	Yes	LCD Data I/O 4
35	PC3	56	34	LCD_DB3	Digital out	Yes	LCD Data I/O 3
36	PC2	55	35	LCD_DB2	Digital out	Yes	LCD Data I/O 2
37	PC1	54	50	LCD_DB1	Digital out	Yes	LCD Data I/O 1
38	PC0	53	37	LCD_DB0	Digital out	Yes	LCD Data I/O 0
39	PD7	50	38	LCD_RESET	Digital out	Yes	LCD register select
40	PG2	70	39	LCD_CS	Digital out	Yes	LCD write
41	PG1	52	40	LCD_WR	Digital out	Yes	LCD select
42	PG0	51	41	LCD_RS	Digital out	Yes	LCD reset
43	PL7	42	42	TOUCH_DIN	Digital out	Yes	Touch screen data in
44	PL6	41	43	TOUCH_CS	Digital out	Yes	Touch screen select
45	PL5	40	44	TOUCH_SCLK	Digital out	Yes	Touch screen clock
46	PL4	39	45	ISOLATOR2_EN	Digital out	Yes	Ch#2 Data out (MISO) enable
47	PL3	38	46	IO_EXPANDER2	Digital out	Yes	Ch#2 MCP23S08 8-bit expander chip select
48	PL2	37	47	DAC2_SELECT	Digital out	Yes	Ch#2 DAC8552 DAC chip select
49	PL1	36	48	ADC2_SELECT	Digital out	Yes	Ch#2 ADS1120 ADC chip select
50	PL0	35	49	EEPROM_SELECT	Digital out	Yes	External EEPROM chip select
51	PB3	22	50	MISO	Digital in	Yes	SPI MISO signal
52	PB2	21	51	MOSI	Digital out	Yes	SPI MOSI signal
53	PB1	20	52	SCLK	Digital out	Yes	SPI SCLK signal
54	PB0	19	53	LCDSD_CS	Digital out	Yes	LCD SD-card select
55	PF0	97	54 (A0)	TEMP_ANALOG	Analog in	No	NTC temperature sensor
56	PF1	96	55 (A1)	PWR_DIRECT	Digital out	No	AC power direct triac control
57	PF2	95	56 (A2)	PWR_SSTART	Digital out	No	AC power soft-start triac control
58	PF3	94	57 (A3)	–	–	–	–
59	PF4	93	58 (A4)	–	–	–	–
60	PF5	92	59 (A5)	–	–	–	–
61	PF6	91	60 (A6)	–	–	–	–
62	PF7	90	61 (A7)	–	–	–	–
63	PK0	89	62 (A8)	–	–	–	–
64	PK1	88	63 (A9)	–	–	–	–
65	PK2	87	64 (A10)	–	–	–	–
66	PK3	86	65 (A11)	–	–	–	–
67	PK4	85	66 (A12)	LED_PWR***	Digital out	No	Stand-by/remote indicator
68	PK5	84	67	PWD_RST	Digital in	No	Secure code reset (not sup-

			(A13)				*ported in firmware M1)*
69	*PK6*	*83*	*68 (A14)*	*LED_CC2*	*Digital out*	*No*	*Ch#2 CC LED indication*
70	*PK7*	*82*	*69 (A15)*	*LED_CV2*	*Digital out*	*No*	*Ch#2 CV LED indication*
71	*PD0*	*43*	*–*	*–*	*–*	*–*	*–*
72	*PD1*	*44*	*–*	*–*	*–*	*–*	*–*

* The Arduino Due board has powerful interrupt capabilities that allows you to attach an interrupt function on all available pins. You can directly specify the pin number in attachInterrupt().
** Not available on board variant without binding posts.
*** Not used on Arduino shield+BP board variant where LED_PWR (OUT15 of the TLC5925 driver) has the same function.