

PocketBeagle w/ MuntsOS Expansion Header Pinouts

P1				mikroBUS Socket 1 (over micro-USB)		P2					
VIN	1	2	GPIO87	AIN6 0-3.6V	AN	PWM	PWM 2:0	GPIO50	1	2	GPIO59
USB1 V_EN	3	4	GPIO89		RST	INT		GPIO23	3	4	GPIO58
USB1 VBUS	5	6	GPIO5	SPIO CS0	CS	RX	RXD4	GPIO30	5	6	GPIO57
USB1 VIN	7	8	GPIO2	SPIO SCLK	SCK	TX	TXD4	GPIO31	7	8	GPIO60
USB1 DN	9	10	GPIO3	SPIO MISO	MISO	SCL	I2C1 SCL	GPIO15	9	10	GPIO52
USB1 DP	11	12	GPIO4	SPIO MOSI	MOSI	SDA	I2C1 SDA	GPIO14	11	12	PWR BTN
USB1 ID	13	14	3.3V		+3.3V	+5V	VOUT		13	14	BAT VIN
USB1 GND	15	16	GND		GND	GND	GND		15	16	BAT TEMP
AIN REF-	17	18	AIN REF+				GPIO65		17	18	GPIO47
AIN0 0-1.8V	19	20	GPIO20		GND	GND	GPIO27		19	20	GPIO64
AIN1 0-1.8V	21	22	GND		+5V	+3.3V	GND		21	22	GPIO46
AIN2 0-1.8V	23	24	VOUT		SDA	MOSI	3.3V		23	24	GPIO44
AIN3 0-1.8V	25	26	GPIO12	I2C2 SDA	SCL	MISO	SPI1 MOSI	GPIO41	25	26	NRST
AIN4 0-1.8V	27	28	GPIO13	I2C2 SCL	TX	SCK	SPI1 MISO	GPIO40	27	28	GPIO116
GPIO117	29	30	GPIO43	TXD0	RX	CS	SPI1 SCLK	GPIO7	29	30	GPIO113
GPIO114	31	32	GPIO42	RXD0	INT	RST	SPI1 CS1	GPIO19	31	32	GPIO112
GPIO111	33	34	GPIO26		PWM	AN		GPIO45	33	34	GPIO115
GPIO88	35	36	GPIO110	PWM 0:0			AIN5 0-3.6V	GPIO86	35	36	AIN7 0-1.8V

mikroBUS
Socket 2
(over micro-SDHC)

Revised 28 March 2020