

# BigBrother V1.1 - Pin assignment

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## Table of contents

Revisions .....	1
Pin assignment .....	2

## Revisions

Version	Date	Changes
1.0	2012-08-19	First release of the document

## Pin assignment

Shield 0		
Pin	Assignment on the microcontroller	Comment
RST	RST	Reset
3.3V		3.3V power supply
5V		5V power supply
GND		Ground
GND		Ground
VIN		VIN input voltage
A0	PTB0	GPIO, Analog Input, TPM3CH0
A1	PTB1	GPIO, Analog Input, TPM3CH1
A2	PTB2 and PTA5	GPIO, Analog Input, ACMP2+
A3	PTB3 and PTA4	GPIO, Analog Input, ACMP2-
A4	PTB4, PTA3 and PTG1	GPIO, KBI, Analog Input, ACMP2O
A5	PTB5 and PTG2	GPIO, KBI, Analog Input
D0	PTE1 and PTJ0	GPIO, RGPIO, RxD1
D1	PTE0 and PTJ1	GPIO, RGPIO, TxD1
D2	PTA6 and PTG0	GPIO, KBI, Analog Input
D3	PTF4	GPIO, RGPIO, FTM2CH0
D4	PTD4	GPIO, Analog Input, FTM2CLK
D5	PTF5	GPIO, RGPIO, FTM2CH1
D6	PTH0	GPIO, Analog Input, FTM2CH2
D7	PTC6 and PTD7	GPIO, KBI, Analog Input, FTM2FLT
D8	PTA7 and IRQ	GPIO, Analog Input, IRQ, TPMCLK
D9	PTH1	GPIO, Analog Input, FTM2CH3
D10	PTE4 and PTH2	GPIO, RGPIO, Analog Input, SPI1 Chip Select, FTM2CH4
D11	PTE6 and PTH3	GPIO, RGPIO, Analog Input, SPI1 MOSI, FTM1CH5
D12	PTE5	GPIO, RGPIO, SPI1 MISO
D13	PTE7	GPIO, RGPIO, SPI1 Clock
AREF	VDDA/VREFH	Reference voltage for analog inputs, connected to 5V power supply
Shield 1		
Pin	Assignment on the microcontroller	Comment
RST	RST	Reset
3.3V		3.3V power supply
5V		5V power supply
GND		Ground
GND		Ground
VIN		VIN input voltage
A100	PTB6	GPIO, Analog Input
A101	PTB7	GPIO, Analog Input
A102	PTD0	GPIO, Analog Input, ACMP1+

A103	PTD1	GPIO, Analog Input, ACMP1-
A104	PTD2	GPIO, KBI, Analog Input, ACMP10
A105	PTD3	GPIO, KBI, Analog Input
D100	PTC5 and PTC1	GPIO, RxD2, SDA1
D101	PTC3 and PTC0	GPIO, TxD2, SCL1
D102	PTG3	GPIO, KBI, Analog Input
D103	PTE2	GPIO, RGPIO, FTM1CH0
D104	PTD6	GPIO, Analog Input, FTM1CLK
D105	PTE3	GPIO, RPGIO, FTM1CH1
D106	PTF0	GPIO, RGPIO, FTM1CH2
D107	PTF6	GPIO, RGPIO, FTM1FLT
D108	PTG4	GPIO, KBI, Analog Input
D109	PTF1	GPIO, RGPIO, FTM1CH3
D110	PTC4 and PTF2	GPIO, RGPIO, SPI2 Chip Select, FTM1CH4
D111	PTH5 and PTF3	GPIO, RGPIO, SPI2 MOSI, FTM1CH5
D112	PTH6, PTD5 and PTC2	GPIO, Analog Input, SPI2 MISO, MCLK
D113	PTH4 and PTF7	GPIO, RGPIO, SPI2 Clock
AREF	VDDA/VREFH	Reference voltage for analog inputs, connected to 5V power supply