

## PIANO 2.1 Header PIN Out Details

PIANO 2.1- 40 Pin Bottom connector (RPI compatible)					
RPI	Sparky signal	PIN	PIN	Sparky signal	RPI
NC	NC	1	2	DCIN +5V	DC +5V
SDA1-I2C	I2C -2 SDA	3	4	DCIN +5V	DC +5V
SCL1-I2C	I2C -2 SCLK	5	6	GND	GND
GPIO4	GPIOB14	7	8	UART5_TX	UART_TX
GND	GND	9	10	UART5_RX	UART_RX
GPIO17	GPIOB15	11	12	I2S_BCLK0	I2S_BCLK
GPIO27	GPIOB16	13	14	GND	GND
GPIO22	MUTE_AMP	15	16	SDZ_AMP	GPIO23
NC	NC	17	18	GPIOB30	GPIO24
SPI_MOSI	I2C-3 SDA/SPIO_MOSI	19	20	GND	GND
SPI_MISO	SPIO_MISO	21	22	MUTE_DAC2	GPIO25
SPI_CLK	I2C -3 SCLK/SPIO_CLK	23	24	SPIO_SS	GPIO8
GND	GND	25	26	SPDIF	GPIO7
ID_SD	I2C-1 SDA	27	28	I2C -1 SCLK	ID_SC
GPIO5	I2S_MCLK0_2	29	30	GND	GND
GPIO6	MUTE_DAC1	31	32	GPIOB3	GPIO12
GPIO13	GPIOB4	33	34	GND	GND
I2S_LRCLK	I2S_LRCLK0_2	35	36	GPIOB13	GPIO16
GPIO26	GPIOB19	37	38	I2S_DIN_2	I2S_DIN
GND	GND	39	40	I2S_DOUT_2	I2S_DOUT

\*\*\_highlighted signals are used by piano board

PIANO J19 PIN OUT DETAILS					
RPI	SPARKY	PIN	PIN	SPARKY	RPI
5V	5V	1	2	5V	5V
NC	NC	3	4	NC	NC
SDA1-I2C	TWI2_SDA	5	6	GPIOB14	GPIO4
SCL1-I2C	TWI2_SCK	7	8	GPIOB15	GPIO17
NC	NC	9	10	GPIOB16	GPIO27
NC	NC	11	12	GPIOB30	GPIO24
GPIO23	SDZ_AMP	13	14	MUTE_AMP	GPIO22
GND	GND	15	16	GND	GND

PIANO J20 PIN OUT DETAILS			
SIGNAL	PIN	PIN	SIGNAL
GND	1	2	GND
AUDIO RIGHT	3	4	AUDIO LEFT
AUDIO RIGHT	5	6	AUDIO LEFT
GND	7	8	GND

