ArduTouch_stereo_v1.2c_teardrops

| 1 | 2 | 3 | 4 | 5 | 6 |

B1 3xAA 4.5V Red Black BATTERY-TERMINALS

VCC C2 0.1uF GND
VCC C3 100uF GND
VCC

POWER R15 1K LED3 Green GND

VCC R2 22M S2 Right GND
VCC R3 22M S3 Left GND
VCC R4 22M
VCC R5 22M

VCC knob-adjust 10K R11 GND
VCC knob-adjust 10K R12 GND

S1 RESET R1 10K RESET* GND
C1 0.1uF VCC RTS*

U1 ATmega328P

Pin	Signal	Pin	Signal
1	PC6(/RESET)	23	PC0(ADC0) A0
20	AVCC	24	PC1(ADC1) A1
7	VCC	25	PC2(ADC2) A2
		26	PC3(ADC3) A3
		27	PC4(ADC4/SDA) A4 TOUCH1
21	NC AREF	28	PC5(ADC5/SCL) A5 TOUCH2
9	PB6(XTAL1/TOSC1)	2	PD0(RXD) D0 RxD
10	PB7(XTAL2/TOSC2)	3	PD1(TXD) D1 TxD
		4	PD2(INT0) D2
		5	PD3(INT1) D3
		6	PD4(XCK/T0) D4
		11	PD5(T1) D5
		12	PD6(AIN0) D6
		13	PD7(AIN1) D7
		14	PB0(ICP) D8
		15	PB1(OC1A) D9 AUDIO L
		16	PB2(SS/OC1B) D10
		17	PB3(MOSI/OC2) D11 MOSI / AUDIO R
8	GND	18	PB4(MISO) D12 MISO
22	GND	19	PB5(SCK) D13 SCK

X1 16.00MHz GND

J1 Black 1 2 3 RXD TXD RTS* 4 5 6 Green VCC GND

J2 MISO VCC SCK MOSI RST GND MISO SCK RESET* MOSI/AUDIO-RIGHT VCC GND

C+ A# B RXD TXD A G# G F# F E D# D C#

R13 1K Rx LED1 Blue VCC
R14 1K Tx LED2 Red VCC

TOUCH1 GND
TOUCH2 GND

KB1 C C# D D# E F F# G G# A A# B C+ SCK MISO

MOSI/AUDIO-RIGHT R7 270 C5 0.1uF C7 1uF GND
AUDIO-LEFT R6 270 C4 0.1uF C6 1uF GND

U2 LM386 VCC GND Screwdriver-adjust R10 10K GND
C8 100uF **SPKR1** GND

Mono mix (Silent when connector in J3) R8 4.7K R9 4.7K **J3** STEREO Line Out / Headphone GND