Hapkit Board Pin Mapping (version 11.14.2013)

ATmega 328 chip pin #	ATmega 328 pin name	Typical Arduino function	Special Hapkit function	Pin name printed on Hapkit Board	Pin number to use in Arduino program
1	PC6 (PCINT14/Reset)	Reset	Reset	RST	
2	PD0 (PCINT16/RXD)	Digital Pin 0 (RX)		D0	0
3	PD1 (PCINT17/TXD)	Digital Pin 1 (TX)		D1	1
4	PD2 (PCINT18/INT0)	Digital Pin 2		D2	2
5	PD3 (PCINT19/OC2B/INT1)	Digital Pin 3 (PWM)		D3	3
6	PD4 (PCINT20/XCK/T0)	Digital Pin 4	SD card Slave Select Line	D4	4
7	VCC	VCC			
8	GND	GND		GND	
9	PB6 (PCINT6/XTAL1/TOSC1)	Crystal			
10	PB7 (PCINT7/XTAL2/TOSC2)	Crystal			
11	PD5 (PCINT21/OC0B/T1)	Digital Pin 5 (PWM)	PWM Output for Motor 1	D5	5
12	PD6 (PCINT22/OC0A/AIN0	Digital Pin 6 (PWM)	PWM Output for Motor 2	D6	6
13	PD7 (PCINT23/AIN1)	Digital Pin 7	Direction Output for Motor 2	D7	7
14	PB0 (PCINT0/CLKO/ICP1)	Digital Pin 8	Direction Output for Motor 1	D8	8
15	PB1 (OC1A/PCINT1)	Digital Pin 9 (PWM)	Grove Connector Output	D9	9
16	PB2 (SS/OC1B/PCINT2)	Digital Pin 10 (PWM)	Grove Connector Output	D10	10
17	PB3 (MOSI/OC2A/PCINT3)	Digital Pin 11 (PWM)	Data In for SD Card	D11	11
18	PB4 (MISO/PCINT4)	Digital Pin 12	Data Out for SD Card	D12	12
19	PB5 (SCK/PCINT5)	Digital Pin 13	Serial Clock Line for SD Card	D13	13
20	AVCC	VCC			
21	AREF	Analog Reference		AREF	
22	GND	GND		GND	
23	PC0 (ADC0/PCINT8)	Analog Input 0	Grove Connector Output	A0	A0
24	PC1 (ADC1/PCINT9)	Analog Input 1	Grove Connector Output	A1	A1
25	PC2 (ADC2/PCINT10)	Analog Input 2	MR Sensor Output	A2	A2
26	PC3 (ADC3/PCINT11)	Analog Input 3	FSR Output	A3	A3
27	PC4 (ADC4/SDA/PCINT12)	Analog Input 4		A4	A4
28	PC5 (ADC5/SCL/PCINT13)	Analog Input 5		A5	A5