

<i>Parts List for iSwitchPi</i>					
<i>Part</i>	<i>Value</i>	<i>Package</i>	<i>Note</i>	<i>Supplier</i>	<i>PartNumber</i>
<b>Condensator</b>					
C1	1uF	C1206	ceramic	Any	
C2	1uF	C1206	ceramic	Any	
C3	1uF	C1206	ceramic	Any	
C4	100uF	E2,5-6E		Any	
C5	1uF	C1206	ceramic	Any	
<b>IC</b>					
IC1	MCU ATTINY44	DIL14	Attiny		
IC2	MIC2025-1YM	SO08	High-Side Switch		
LM117	LM1171	SOT223	3.3 Volt Regulator	Distrelec	110-38-693
<b>Led</b>					
LED1	green	1206	SMD 1206		
LED2	orange	1206	SMD 1206		
<b>Resistor</b>					
R1	100k	0204/7		Any	
R2	10k	0204/7		Any	
R3	320	0204/7		Any	
R4	320	0204/7		Any	
R6	10k	0204/7		Any	
R7	320	0204/7		Any	
R8	1k	0204/7		Any	
<b>DIP-Switch</b>					
S2		DIP04S	Dip 4-Pol	Any	
S3		DIP08S	Dip 8-Pol	Any	

<b>Pin Header</b>					
J1		1X02	Onboard green Led On/Off		
J2		1X02	without Pi		
JP1		2X04	Input/Output		
JP2		1X01	TestPin		
JP3		1X01	Optional 5 V IN		
JP4		1X01	TestPin		
JP5		1X01	5 V to Pi, connect to JP6		
JP6		1X01	5 V to Pi, connect to JP5		
JP7	extra long pins	2X20-BIG	GPIO Stacking Header	Adafruit	2223
<b>Pushbutton</b>					
S1	6x6 mm	B3F-10XX	Pushbutton On/Off	Adafruit	367/1490/P0000025 6 P00000681
<b>Other</b>					
IC-Socket 14-pol			for ATtiny44	Any	
<b>5 Volt IN</b>					
PB3	2.1MMJACK		Barrel Jack 5.5/2.1 mm	Adafruit	373
PB4	ADAUSBMICRO		USB-Micro-Breakout	Adafruit, Play-Zone	1833/P00001025
<b>Optional, for variable Frequency Pulsgenerator</b>					
R5	320	0204/7		Any	
RTRIM	50k		Trim Pot	Conrad	447363
<b>Optional, second Pushbutton On/Off</b>					
PB1	Button legend		Pushbutton On/Off	Distrelec	135-75-923
<b>Montage</b>					
	Standoff	4 Pieces	11 mm/2.5mm	Adafruit	2336