

## BoM, for kit building assembly

									5.05	4.54
ref	value	MODULE	Manufacturer	Mfr. P/N	Vendor	Vendor P/N	NOTE1	QTY	RATE	AMOUNT
C1	10n	c_0805	Kemet	C0805C103K5RACTU	<a href="#">DigiKey</a>	399-1158-1-ND	Decoupling capacitor, Ceramic	1	0.05	0.05
C2	100n	c_0805	Kemet	C0805C104K3RACTU	<a href="#">DigiKey</a>	399-1168-1-ND	Decoupling capacitor, Ceramic	1	0.07	0.07
D1	Z5V1	SOD323F	Fairchild Semiconductor	MM3Z5VIC	<a href="#">DigiKey</a>	MM3Z5VICCT-ND	input protection diode	1	0.20	0.20
D2	Z5V1	SOD323F	Fairchild Semiconductor	MM3Z5VIC	<a href="#">DigiKey</a>	MM3Z5VICCT-ND	5V regulation diode	1	0.20	0.20
D3	1N4448WT	SOD523F	Fairchild Semiconductor	1N4448WT	<a href="#">DigiKey</a>	1N4448WTCT-ND	reverse polarity protection diode	1	0.17	0.17
K2	ISP	pin_strip_6b	Sullins Connector Solutions	PREC040SAAN-RC	<a href="#">DigiKey</a>	S1012EC-40-ND	Header, Male, 8x1 – K2+P1+P3	1	0.51	0.00
P1	LAMP	pin_strip_2	--	--	--	--	PCB edge fits Lamp T10 connector	1	0.00	0.00
P2	12V	Header_12V	--	--	--	--	see K2	1	0.00	0.00
P3	ND	Pad01	--	--	--	--	see K2	1	0.00	0.00
PB3	ND	Pad01	--	--	--	--	breakout pad	1	0.00	0.00
PCB1	PCB	PCB	seeed	--	--	--	--	1	2.38	2.38
Q1	2N7000	SOT23-3	Toshiba	SSM3K7002BF(T5L,F)	<a href="#">DigiKey</a>	SSM3K7002BF(T5LF)CT-ND		1	0.35	0.35
R1	4K7	r_0805	Stackpole Electronics Inc	RMCF0805JT4K70	<a href="#">DigiKey</a>	RMCF0805JT4K70CT-ND		1	0.03	0.03
R2	4K7	r_0805	Stackpole Electronics Inc	RMCF0805JT4K70	<a href="#">DigiKey</a>	RMCF0805JT4K70CT-ND		1	0.03	0.03
R3	2k2	r_0805	Stackpole Electronics Inc	RMCF0805JT2K20	<a href="#">DigiKey</a>	RMCF0805JT2K20CT-ND		1	0.03	0.03
U1	ATTINY45-20SL08E		Atmel	ATTINY45-20SU	<a href="#">DigiKey</a>	ATTINY45-20SU-ND		1	1.03	1.03