

Title		
Size	Number	Revision
A		
Date:	2/9/2016	Sheet of
File:	C:\Users\...\power.SchDoc	Drawn By:

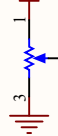
POWER
power.SchDoc



PIC
PIC.SchDoc



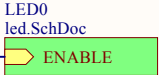
V3P3A



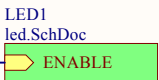
R2
1K

LED[0..3]

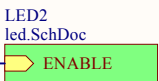
LED0



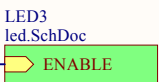
LED1



LED2



LED3



Title

Size

Number

Revision

Date: 2/9/2016

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File: C:\Users\...\ATP2.SchDoc

Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	Capacitor	C1, C10, C12, C13	RAD-0.3	Cap	4
100nF	Capacitor	C2, C3, C4, C5, C6, C7, C15	RAD-0.3	Cap	7
20pF	Capacitor	C8, C9	RAD-0.3	Cap	2
1uF	Capacitor	C11, C14	RAD-0.3	Cap	2
GF1A	Default Diode	D1, D2	SMC	Diode	2
Green LED	Typical INFRARED GaAs LED	D1_LED0, D1_LED1, D1_LED2, D1_LED3	LED-0	LED0	4
Green LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3	3.2X1.6X1.1	LED2	1
600r	Inductor	FB1	0402-A	Inductor	1
Program / Debug		J1		Component_1	1
12V Main	Header, 2-Pin	P1	HDR1X2	Header 2	1
12V Battery	Header, 2-Pin	P2	HDR1X2	Header 2	1
4.7K	Resistor	R1	AXIAL-0.3	Res1	1
470r	Resistor	R1	AXIAL-0.3	Res1	1
330r	Resistor	R1_LED0, R1_LED1, R1_LED2, R1_LED3	AXIAL-0.3	Res1	4
1K	Potentiometer	R2	VR5	RPot	1
PIC32MX764F128H		U1		PIC32MX764F128H	1
AP1117	1A LDO, 18V input, DPAK	U2	AP1117	AP1117	1
8MHz	Crystal Oscillator	Y1	R38	XTAL	1