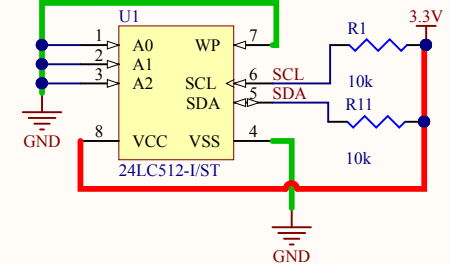
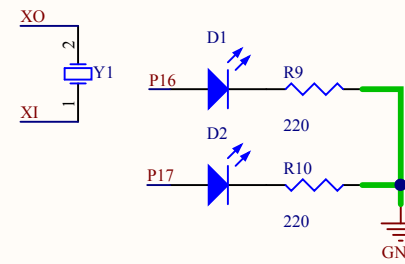
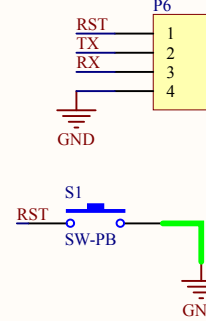
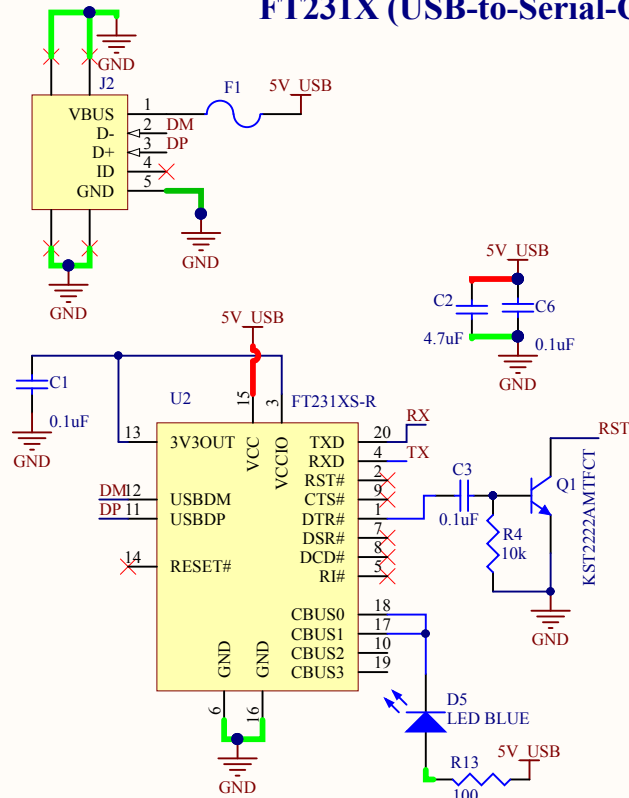
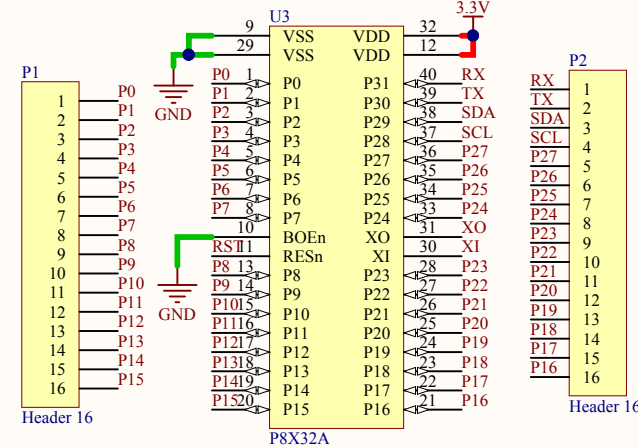


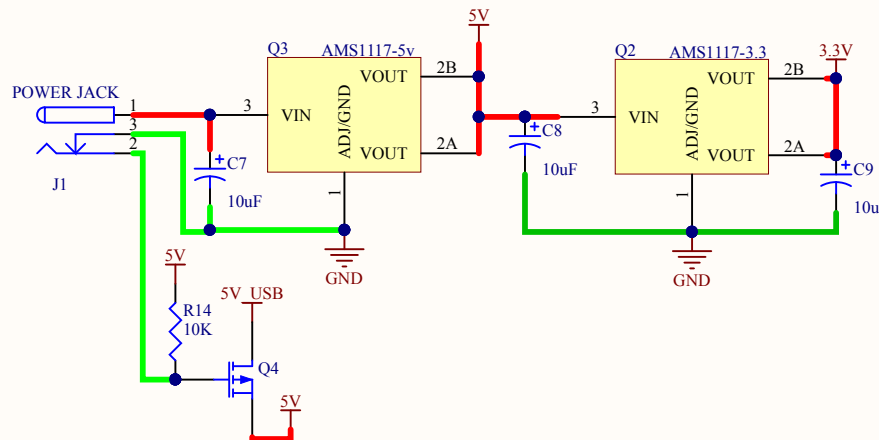
FT231X (USB-to-Serial-Converter)



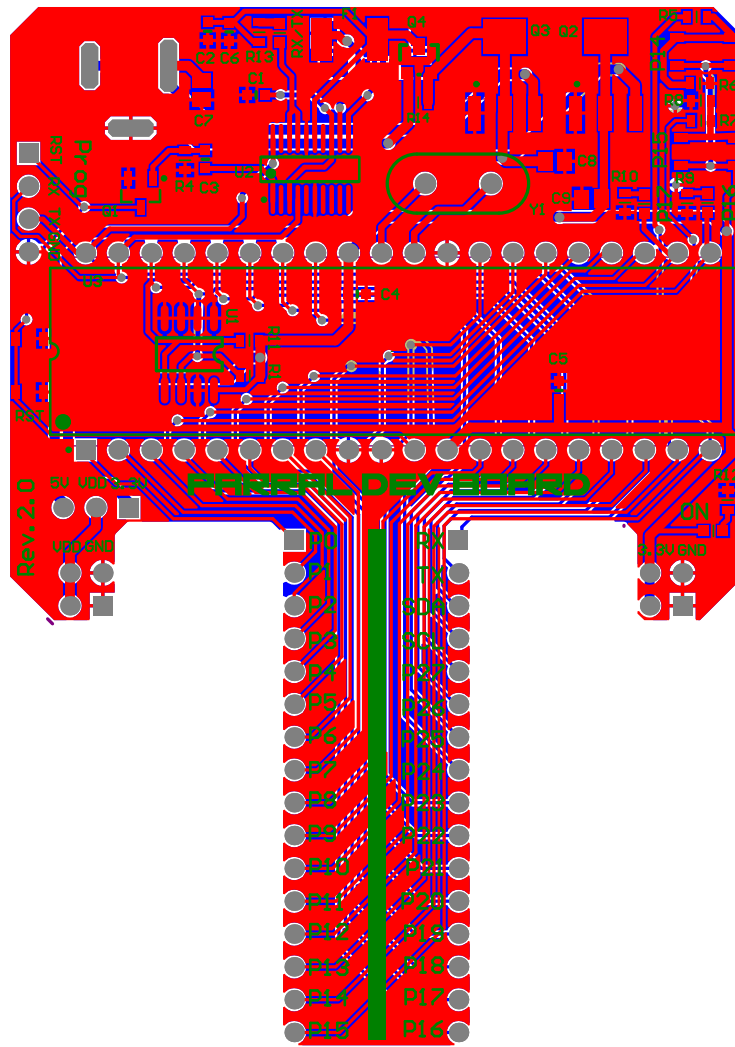
Propeller (P8X32A)



Power Supply



Title		
PARRAL DEV BOARD		
Size	Number	Revision
A4		REV 2.0
Date:	20/03/2017	Sheet 1 of 1
File:	C:\Users\...\Sheet1.SchDoc	Drawn By: Daniel Garcia



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	0.1uF Capacitor 0603	C1, C3, C4, C5, C6	0603 - Old1	Cap Semi	5
4.7uF	4.7µF 25V Ceramic Capacitor X5R 0603	C2	0603 - Old1	Cap Semi	1
10uF	10µF Molded Tantalum Capacitors 10V 0805	C7, C8, C9	C0805	Cap Pol3	3
LED GREEN	LED 0603	D1	LED-0603	LED2	1
LED BLUE	LED 0603	D2, D5	LED-0603	LED0	2
LED RED	LED 0603	D3	LED-0603	LED2	1
PTC	PTC RESETTABLE .50A 15V 1812	F1	MF-MSMF050-2	Fuse 2	1
POWER JACK	POWER JACK 5.5x2.1mm	J1	PWR JACK	Component_1	1
USB - micro B	CONN USB MICRO B RECPT SMT R/A	J2	micro B USB 2.0	USB MICRO B RECPT SMT	1
Header 16	Header, 16-Pin	P1, P2	HDR1X16	Header 16	2
Header 2X2	Header, 2-Pin, Dual row	P3, P4	HDR2X2	Header 2X2	2
Header 3	Header, 3-Pin	P5	HDR1X3	Header 3	1
Header 4	Header, 4-Pin	P6	HDR1X4	Header 4	1
KST2222AMTFACT	TRANS NPN 40V 0.6A SOT-23	Q1	SOT-23B_N	QNPN	1
AMS1117-3.3	Linear Voltage Regulator IC Positive Fixed 1 Output 3.3V	Q2	SOT223_M	AP1117E33GDICT-ND	1
AMS1117-5v	Linear Voltage Regulator IC Positive Fixed 1 Output 3.3V	Q3	SOT223_M	AP1117E33GDICT-ND	1
ZXMP6A13FTA	MOSFET P-CH 60V 0.9A SOT23-3	Q4	SOT-23-3	MOSFET-P	1
10K	RES SMD 10K OHM 5% 1/4W 0603	R1, R4, R6, R8, R11, R14	0603-Resistor	Res3	6
100	RES SMD 100 OHM 5% 1/4W 0603	R5, R7, R13	0603-Resistor	Res3	3
220	RES SMD 220 OHM 5% 1/4W 0603	R9, R10, R12	0603-Resistor	Res3	3
SW-PB	SWITCH TACTILE SPST-NO 0.05A 12V	S1, S2, S3	PTS810	SW-PB	3
24LC512-I/ST	IC EEPROM 512KBIT 400KHZ 8SOIJ	U1	SOIC-8	24LC256-I/ST	1
FT231XS-R	IC USB SERIAL FULL UART 20SSOP	U2		FT231XS-R	1
P8X32A	Propeller™ Microcontroller IC 32-Bit 80MHz 32KB (32K x 8) ROM	U3	DIP-40	P8X32A-D40	1
XTAL 5MHZ	CRYSTAL 5.0000MHZ 18P	Y1	XTAL-2	XTAL	1