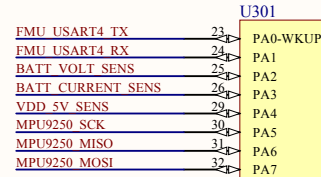
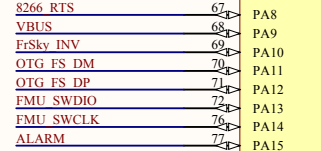


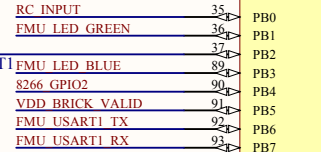
GPS



FrSky INV U1202 pin 1

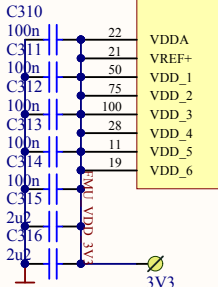
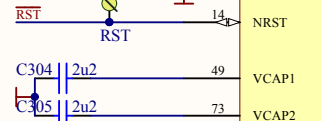
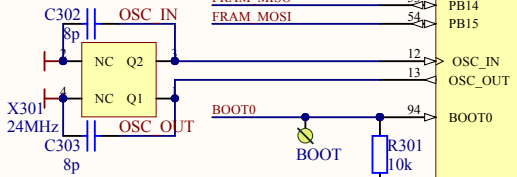
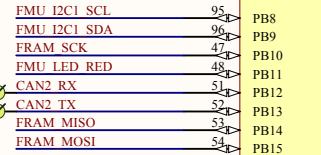


PB0 is separated from PC7

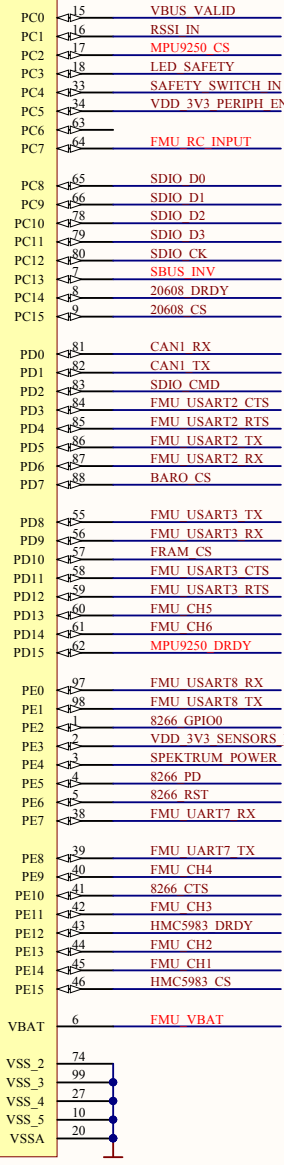


8266 GPIO2 added here BRICK_VALID is now Active HIGH

USART1 is for ESP8266



STM32F427VIT6



VBUS_VALID is now Active HIGH

Enables 3V3 for 8266 and Spektrum

PC7 is separated from PB0

SBUS inverted with active HIGH (U1203)

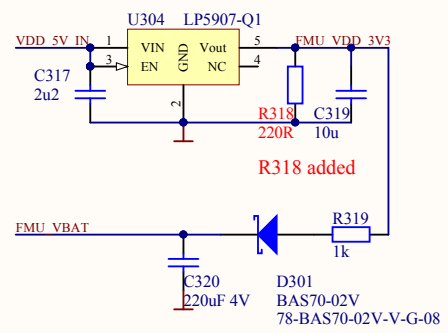
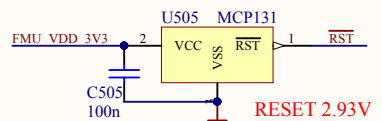
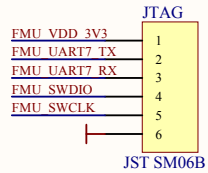
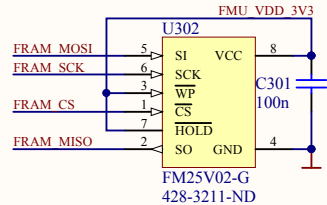
TELEMETRY1

TELEMETRY2 / OSD

FrSky

Powers the Spektrum satellite

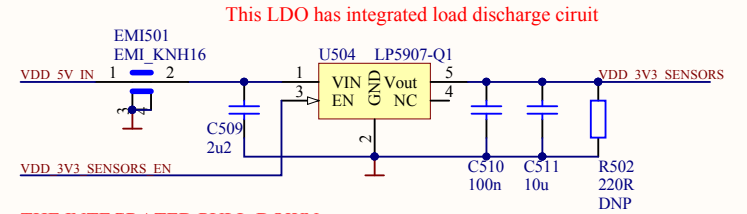
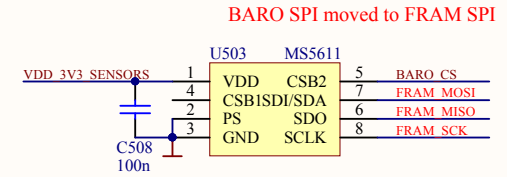
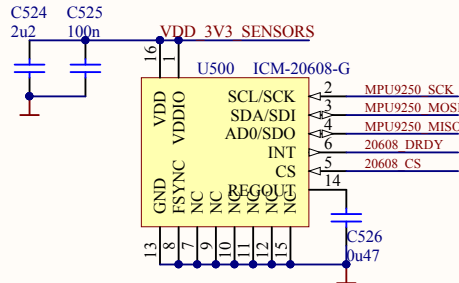
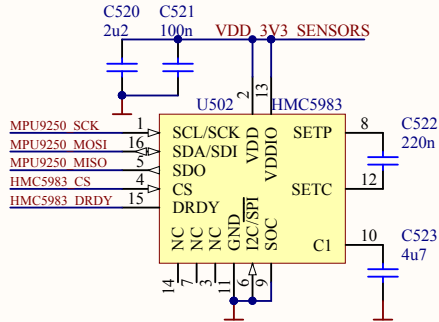
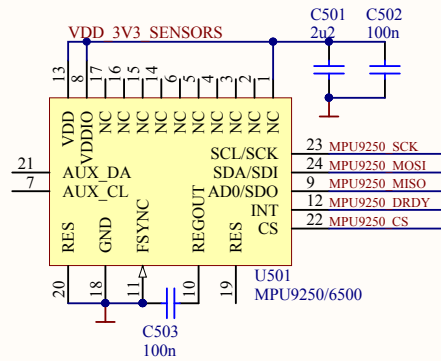
SERIAL DEBUG



D301,R319,C320 added



Title		PIXRACER-V1-FMU	AUAV.CO
Size	Number	DEC-06-2015-1330	Revision
A4			RC12
Date:	17.03.2016	Sheet of	3 of 5
File:	F:\fwdsch\PIXRACER-FMU-R14.SchDoc	Drawn By:	Nick Arsov



THE INTEGRATED PULL-DOWN
DISABLES THE VDD_3V3_SENSORS AT POWER ON

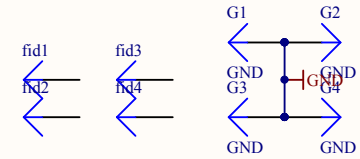
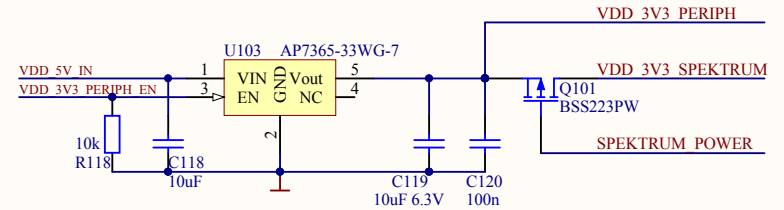
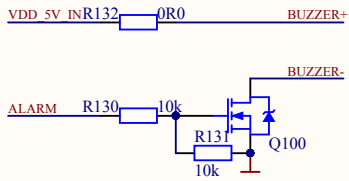
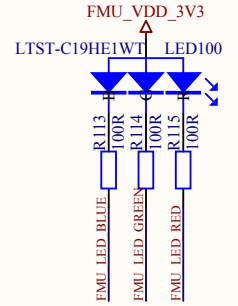
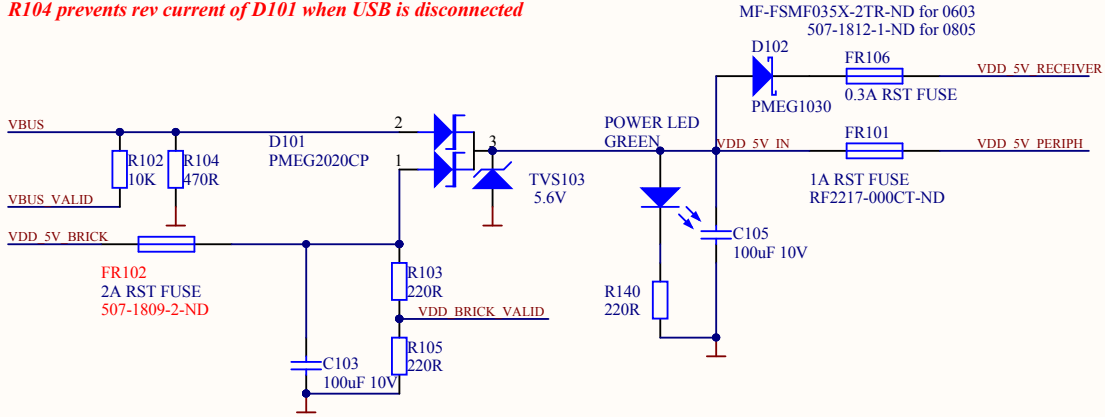
This LDO has integrated load discharge circuit

BARO SPI moved to FRAM SPI

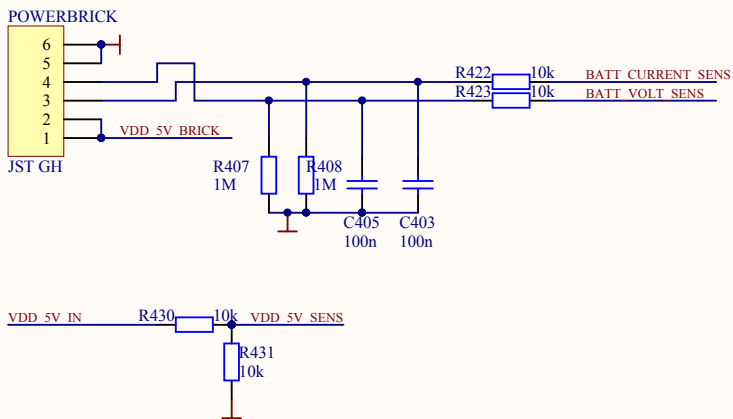
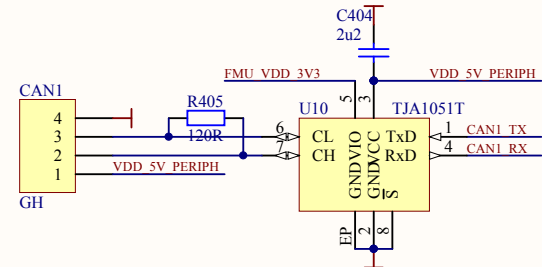
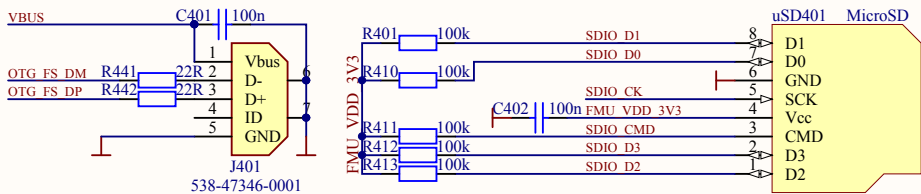


Title		PIXRACER-V1-IMU		AUAV.CO	
Size	Number	JAN-21-2016-2130		Revision	RC14
Date:	17.03.2016	Sheet of	5 of 5		
File:	F:\fwdsch\PIXRACER-IMU-R14.SchDoc	Drawn By:	Nick Arsov		

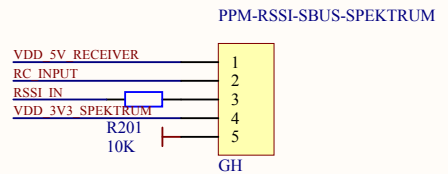
R104 prevents rev current of D101 when USB is disconnected



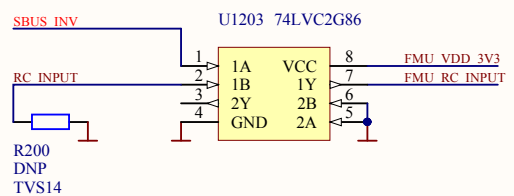
Title		PIXRACER-V1-POWER		AUAV.CO	
Size	Number	JAN-21-2016-2130		Revision	
A4				RC14	
Date:	17.03.2016	Sheet of	1 of 5		
File:	F:\fwdsch\PIXRACER-POWER-R14.Sch	Drawn By:	Nick Arsov		



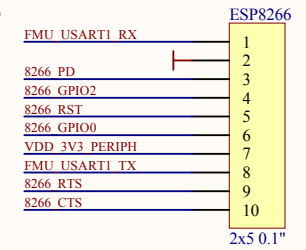
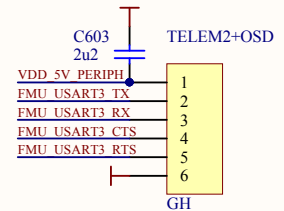
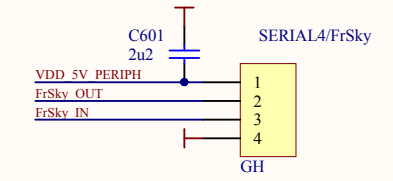
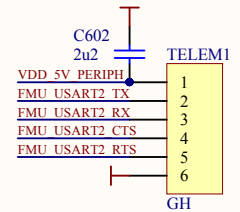
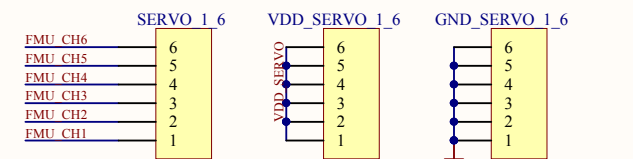
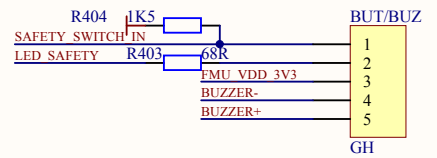
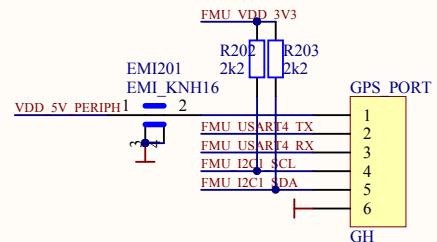
Title		PIXRACER-V1-SD-USB-CAN-I2C		AUAV.CO	
Size	Number	JAN-21-2016-2130		Revision	RC14
Date:	17.03.2016	Sheet of	4 of 5		
File:	F:\fwdsch\PIXRACER-SD-USB-R14.Sch	Drawn By:	Nick Arsov		



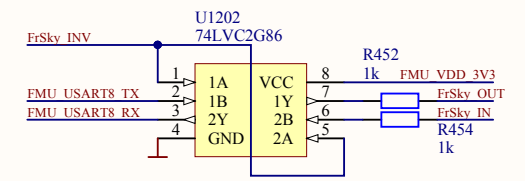
RC_INPUT is for any of PPM/SBUS/SPEKTRUM



*U1203 and R200 (DNP) footprints are left as is, thus the stencils won't be changed
 R200 will not be soldered, and U1203 and U1202 are left the same for lower price
 A 14V TVS could be soldered instead R200 just in case*



FrSky inverter



Title		PIXRACER-V1-SERIALS		AUAV.CO	
Size	Number	JAN-21-2016-2130		Revision	RC14
A4					
Date:	17.03.2016	Sheet of	2 of 5		
File:	F:\fwdsch\PIXRACER-SERIALS-R14.Sch	Drawn By:	Nick Arsov		