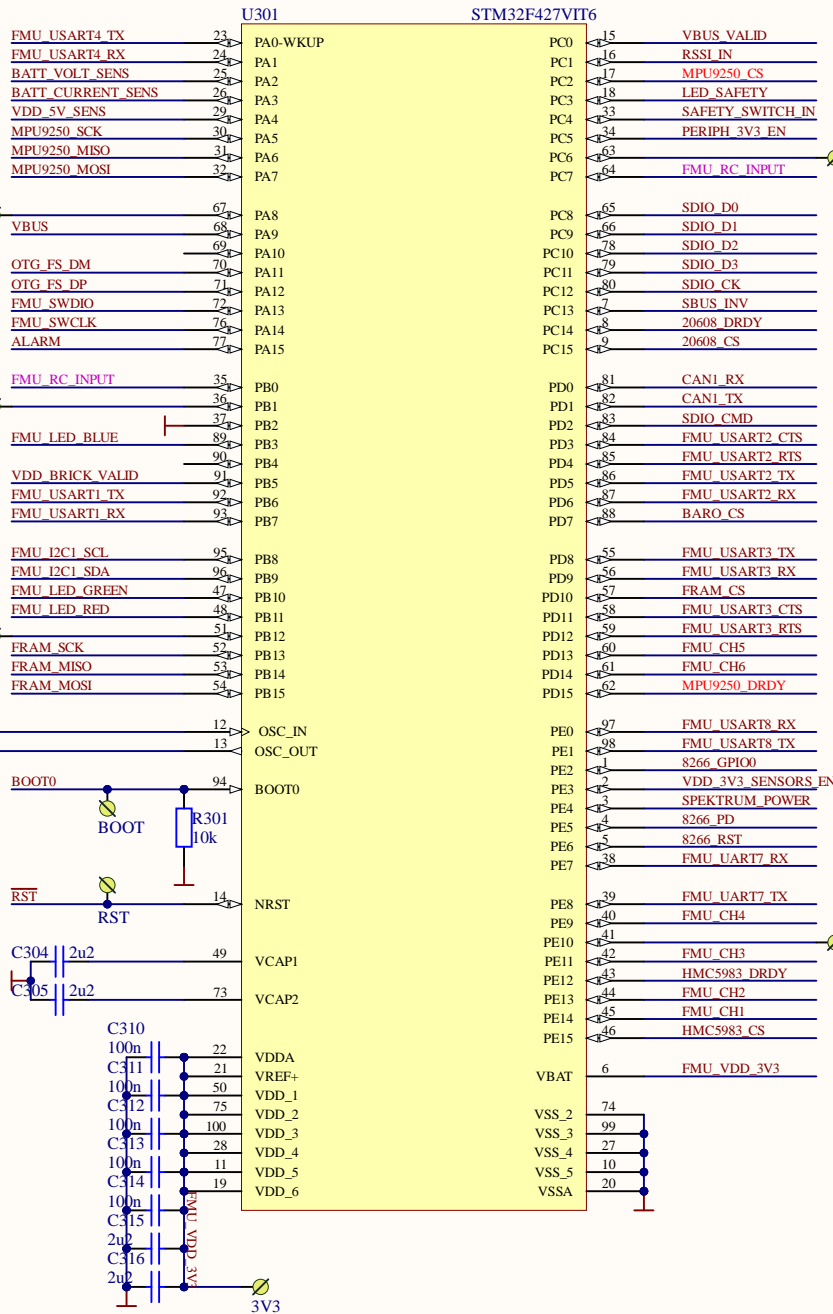


GPS



VBUS\_VALID is now Active HIGH

Enables 3V3 for 8266 and Spektrum

PB0 and PC7 are both RC\_INPUT

SBUS inverted with active LOW ( U203 )

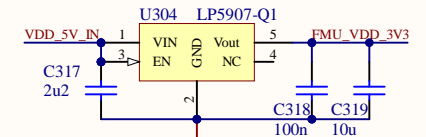
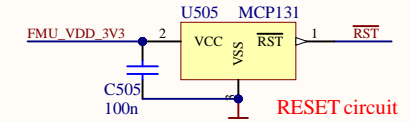
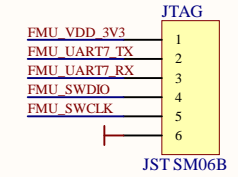
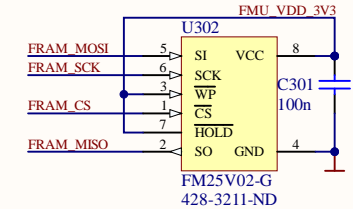
TELEMETRY1

TELEMETRY2

OSD

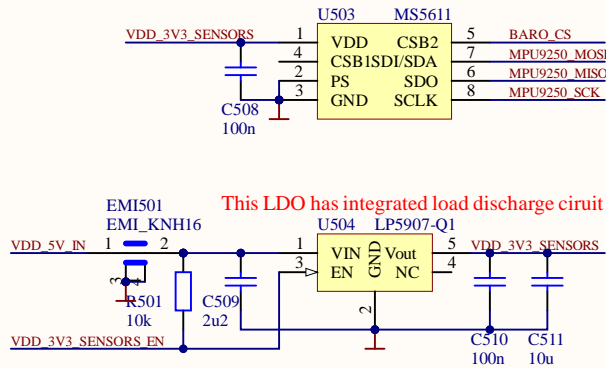
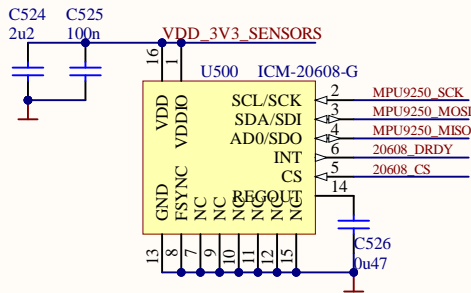
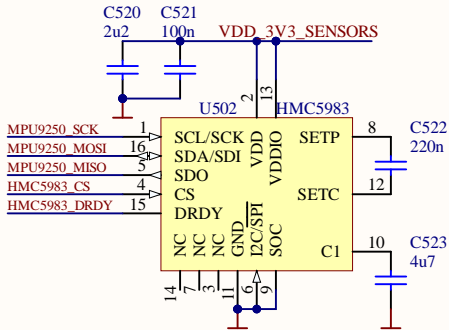
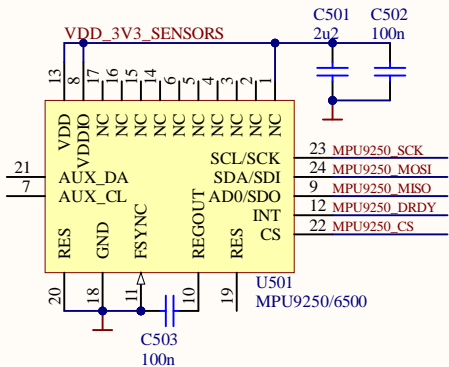
Powers the Spektrum satellite

SERIAL DEBUG



Title				AUAV-X36-FMU			
Size		Number				Revision	
A4		21092015-1130				RCF1	
Date:		6/27/2025			Sheet of		3 of 5
File:		XRACER-FMU-R07.SchDoc			Drawn By:		

A



B

B

C

C

D

D

Title			
AUAV-X36-IMU			
Size	Number	Revision	
A4	21092015-1130	RCF1	
Date:	6/27/2025	Sheet of	5 of 5
File:	XRACER-IMU-R07.SchDoc	Drawn By:	

A

B

C

D

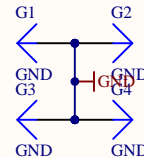
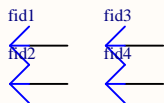
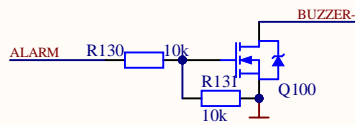
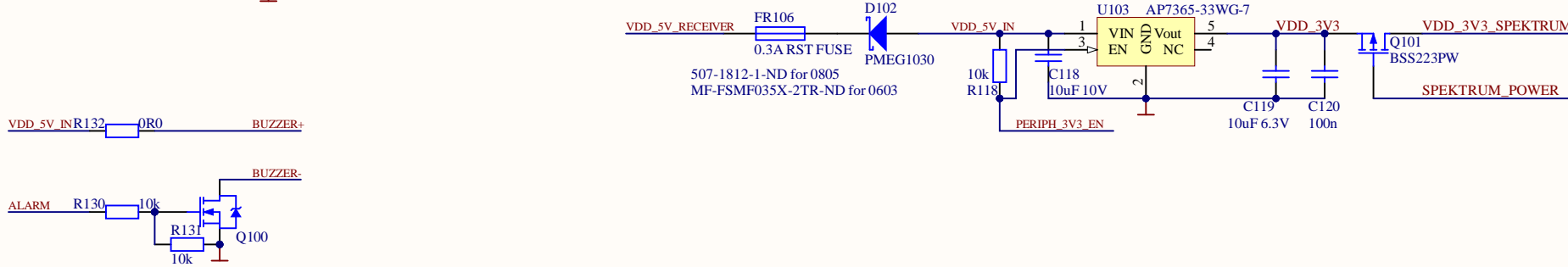
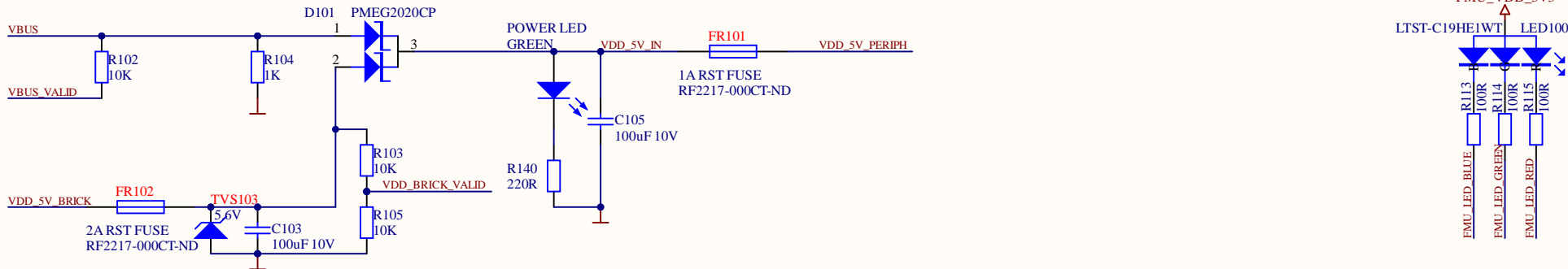
A

B

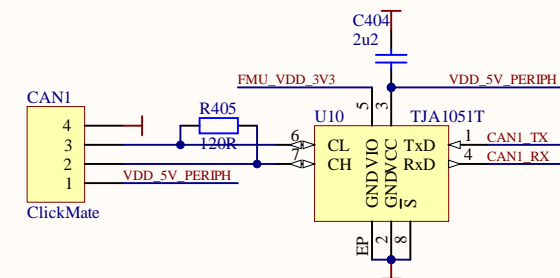
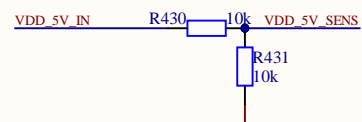
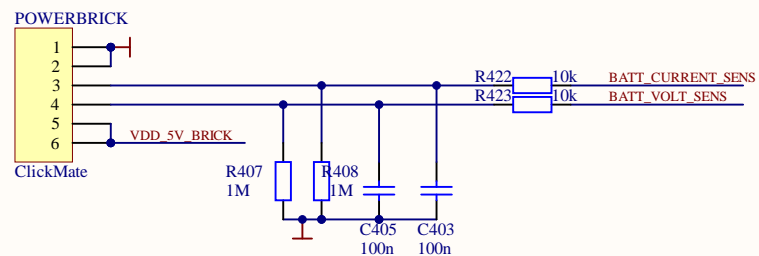
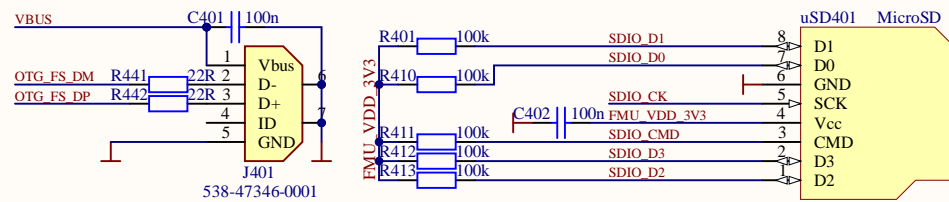
C

D

*R104 prevents rev current of D101 when USB is disconnected*



Title			
AUAV-X36-POWER			
Size	Number		Revision
A4	21092015-1130		RCF1
Date:	6/27/2025	Sheet of	1 of 5
File:	XRACER-POWER-R07.SchDoc	Drawn By:	

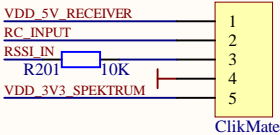


Title				AUAV-X36-SD-USB-I2C-CAN			
Size		Number				Revision	
A4		21092015-1130				RCF2	
Date:		6/27/2025				Sheet of 4 of 5	
File:		XRACER-SD-USB-R07.SchDoc				Drawn By:	

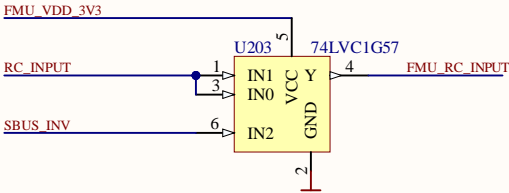
A

A

PPM-RSSI-SBUS-SPEKTRUM

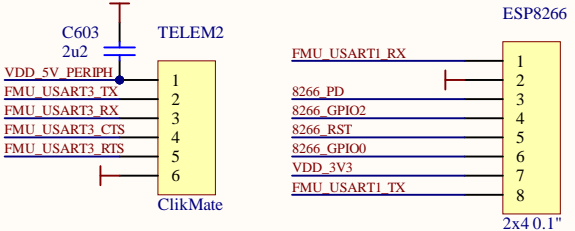
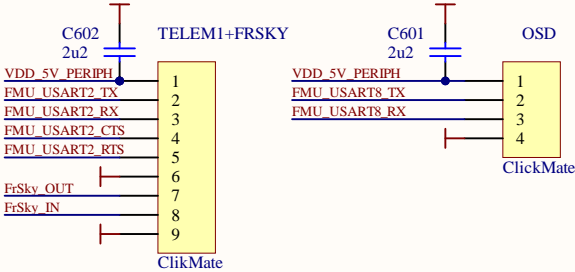
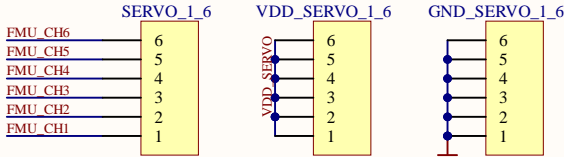
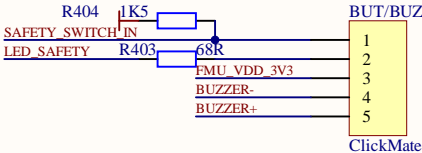
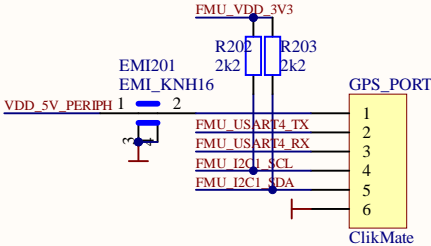


RC\_INPUT is for any of PPM/SBUS/SPEKTRUM



B

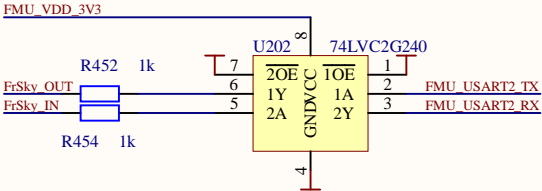
B



C

C

FrSky inverter



D

D

Title			AUAV-X36-SERIALS-SERVO	
Size	Number		Revision	
A4	21092015-1130		RCF1	
Date:	6/27/2025		Sheet of	2 of 5
File:	XRACER-SERIALS-R07.SchDoc		Drawn By:	