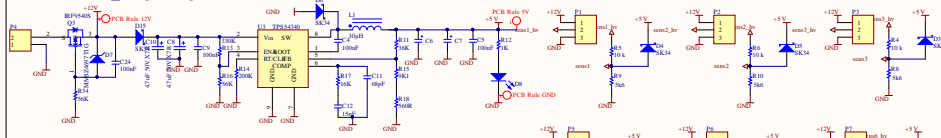
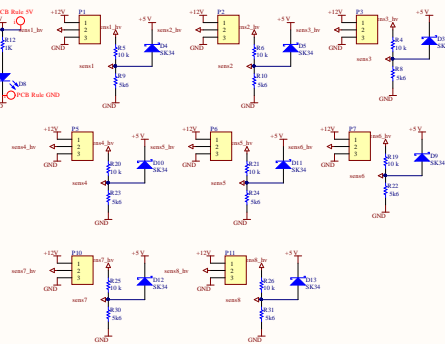


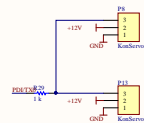
Napajanje 5 V



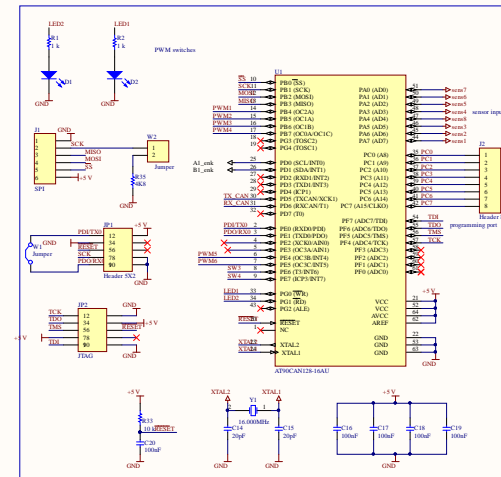
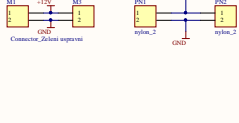
Senzori



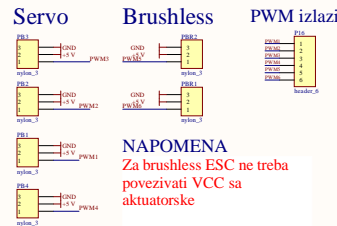
Servoi AX-12



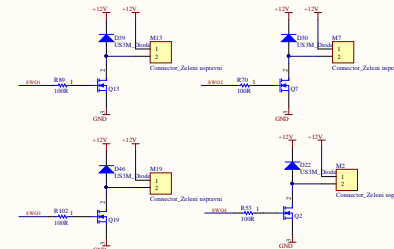
Izlazi 5V i 12V



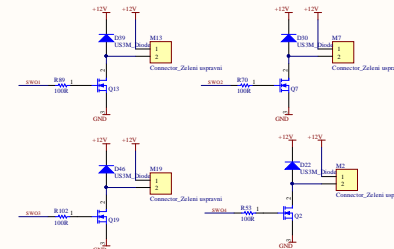
PWM servo/brushless



NAPOMENA
Za brushless ESC ne treba povezivati VCC sa aktuatorne

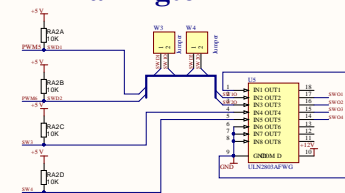


Prekidači

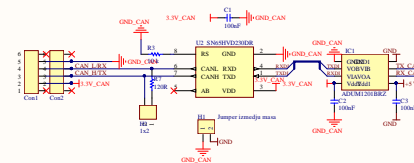


Darlingtoni

SA KONTROLERA DATI 0 ZA AKTIVACIJU SAD SU NA PULL-UP Inicijalizovati kod za ove pinove - staviti na HIGH



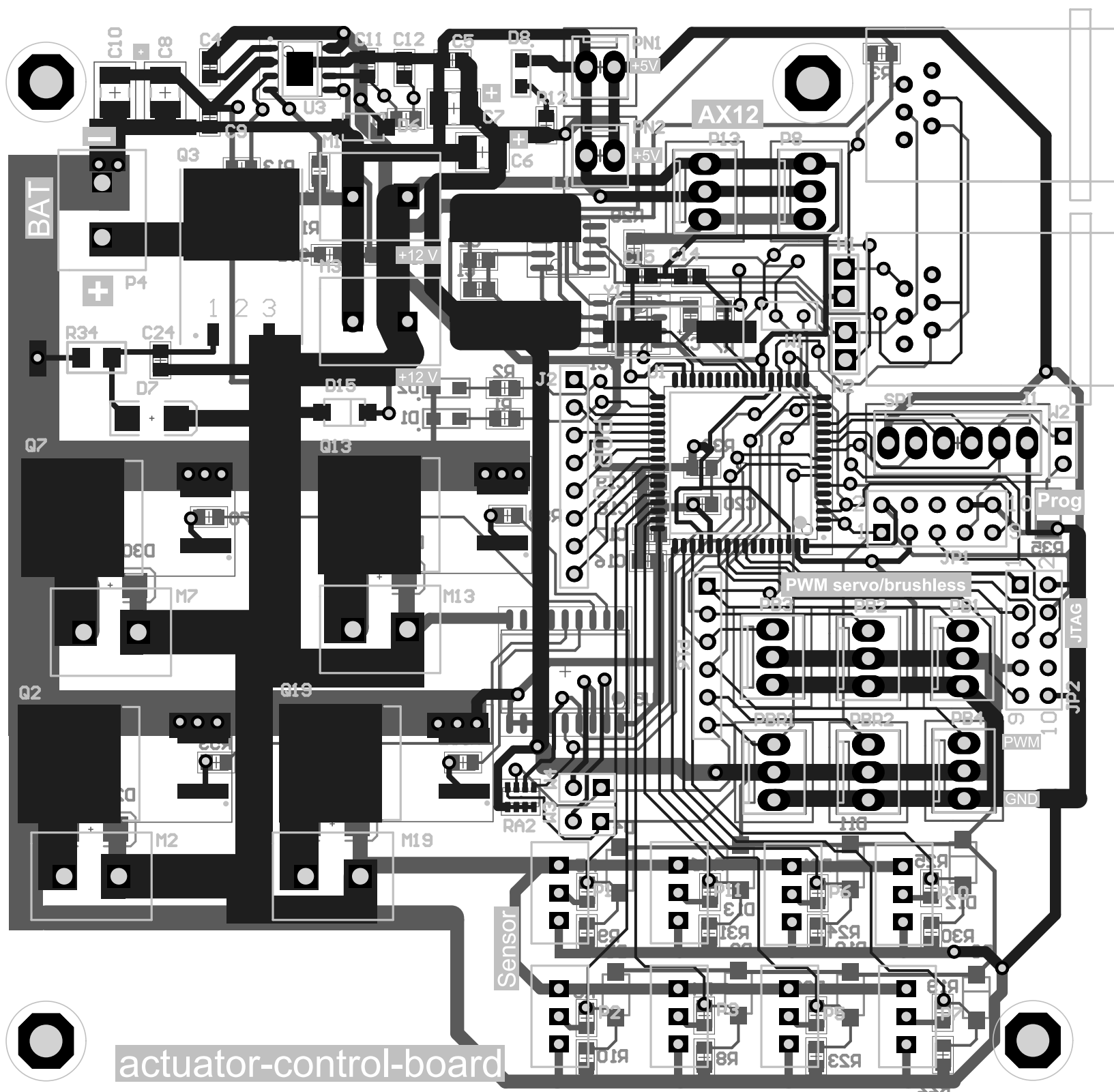
CANbus transiver sa izolatorom



NAPOMENA

Potrebno staviti dzemper na W3 i W4 ukoliko se SW1 i SW2 zele koristiti za prekidače (DARLINGTON)

Revizija	Broj	Ime
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	CAP 0805 100nF 50V X7R 5%	C1, C2, C3, C4, C5, C9, C17, C18, C19, C20, C24	C0805	CL21B104JBCNNNC	12
Cap_Tant	Tantal_cap	C6, C7	CAP_Tant	Cap_Tant	2
Cap Pol2	Polarized Capacitor (Axial)	C8, C10	C1210_M	Cap Pol2	2
68pF	CAP 0805 68pF 50V C0G 5%	C11	C0805	CL21C680JBNC	1
15nF	CAP 0805 15nF 50V X7R 10%	C12	C0805	CL21B153KBNC	1
20pF	CAP 0805 20pF 50V C0G 5%	C14, C15	C0805	CL21C200JBNC	2
RJ11_connector	RJ11	Con1, Con2	RJ11_parica	RJ11	2
LED	LED 0805 RED	D1, D2, D8	LED0805	KP-2012EC	3
SK34	40V 3A UFM0.5V/3A IFM100A IR0.5mA, Schottky	D3, D4, D5, D6, D9, D10, D11, D12, D13, D15	SMA (SMD)	Schottky	10
MMSZ4697T1G	Zener Diode	D7	DSO-C2/X3.3	D Zener	1
US3M_Diode	Diode_SMB	D22, D30, D39, D46	SMB - hepek	US3M_Diode	4
Jumper izmedju masa	CONN HEADER 1x2, contact height 6.0mm straight PCB TH, P2.54mm	H1	CH31022V200	CH31022V200	1
1x2	CONN HEADER 1x2, contact height 6.0mm straight PCB TH, P2.54mm	H2	CH31022V200	CH31022V200	1
ADUM1201BRZ	DIGITAL ISOLATOR 10MHz SO8 2-channel	IC1	ADUM1201BRZ	ADUM1201BRZ	1
SPI	Nylon 2.54, 6pin	J1	MOLEX KK 0022272061	Header 6	1
Header 8	Header, 8-Pin	J2	HDR1X8	Header 8	1
Header 5X2	Header, 5-Pin, Dual row	JP1	HDR2X5	Header 5X2	1
JTAG	Header, 5-Pin, Dual row	JP2	HDR2X5	Header 5X2	1
10uH	IND 0805 10uH 4A 20%	L1	INDUCTOR_SS1260-103MLD	MSS1260-103MLD	1
Connector_Zeleni uspravni	Connector_Zeleni uspravni	M1, M2, M3, M7, M13, M19, P4	Connector 5mm	Connector_Zeleni uspravni	7
conn_s1	Header, 3-Pin	P1, P2, P3, P5, P6, P7, P10, P11	PLAVI_KONEKTOR	header_3	8
KonServoi	Header, 3-Pin, AX12 Connector	P8, P13	MOLEX KK 0022272031	Header 3	2
header_6	Header, 6-Pin	P16	HDR1X6	Header 6	1
nylon_3	Header, 3-Pin	PB1, PB2, PB3, PB4, PBRT1, PBR2	MOLEX KK 0022272031	header_3	6
nylon_2	Header, 2-Pin	PN1, PN2	MOLEX KK 0022272021	Header 2	2
IRF540N	N-MOS	Q2, Q7, Q13, Q19	D2PAK-2	IRF540N	4
IRF9540S	HEXFET P-Channel Power MOSFET	Q3	DPAK-2	IRF9540S	1
R0805 1.0K 1%	R0805 1.0K 1%	R1, R2, R29	Res_smd_R0805	R0805 1.0K 1%	3
R0805 10K 1%	RES SMD 0805 1% 100ppm 10K 1/8W	R3, R4, R5, R6, R19, R20, R21, R25, R26, R33	Res_smd_R0805	R0805 10K 1%	10
120R	RES SMD 0805 1% 100ppm 120R 1/8W	R7	R0805	0805S8F0121T50	1
R0805 5.6K 1%	R0805 5.6K 1%	R8, R9, R10, R22, R23, R24, R30, R31	R0805	R0805 5.6K 1%	8
36K	RES SMD 0805 1% 100ppm 36K 1/8W	R11	R0805	0805S8F0363T50	1
1K	RES SMD 0805 1% 100ppm 1.0K 1/8W	R12	R0805	0805S8F0102T50	1
330K	RES SMD 0805 1% 100ppm 330K 1/8W	R13	R0805	0805S8F0334T50	1
200K	RES SMD 0805 1% 100ppm 200K 1/8W	R14	R0805	0805S8F0204T50	1
9K1	RES SMD 0805 1% 100ppm 9.1K 1/8W	R15	R0805	0805S8F0912T50	1
56K	RES SMD 0805 1% 100ppm 56K 1/8W	R16	R0805	0805S8F0563T50	1
16K	RES SMD 0805 1% 100ppm 16K 1/8W	R17	R0805	0805S8F0163T50	1
560R	RES SMD 0805 1% 100ppm 560R 1/8W	R18	R0805	0805S8F0561T50	1
res	Resistor	R34	1206_res	res	1
res	Resistor	R35	SMD-1206-RES	res	1
100R	RES SMD 0805 1% 200ppm 100R 1/8W	R53, R70, R89, R102	R0805	0805S8F0101T50	4
Thick Film	resistor array 100 Ohm x 4 pack 62.5mW 5% 1206 SMD	RA2	RESCAXS50P160X320X70 8N	RESPACK_100R_5%,4X	1
AT90CAN128-16AU	8-bit AVR Microcontroller 128KB Flash and CAN Controller, 53 GPIO pins, Industrial Grade-40° to +85°C, 64-pin LQFPGreen	U1	64A_L	AT90CAN128-16AU	1
PartNumber	High Speed CAN Transceiver, 8-Pin Plastic DIP, Extended Grade	U2	SO8_N	MCP2551-E/P	1
TPS54340	Switching power supply	U3	TPS54340	TPS54340	1
ULN2803AFWG	Darlington array	U5	SOIC (SO18)	ULN2803A	1
Jumper	Jumper Wire	W1	RAD-0.1	Jumper	1
Jumper	Header, 2-Pin	W2, W3, W4	HDR1X2	Header 2	3
XtalSmd	Crystal Oscillator	Y1	XtalSmd	XtalSmd	1