

NC	
NC	
NC	
PPM Out	SR = 330
NC	
Buzzer	SR = 330
NC	
Tie Lo	SR to GND = 3.3K
NC	
NC	
NC	
NC	
Rot1A	SW + SR = 3.3K
Rot1B	SW + SR = 3.3K
NC	
NC	
NC	
Rot1Push	SW + SR = 3.3K
NC	
	PPM Out NC Buzzer NC Tie Lo NC NC NC NC NC Rot1A Rot1B NC

Arduino Pin	Connection	Comments
22	LCD_DATA1	DC
23	LCD_DATA0	DC
24	LCD_DATA3	DC
25	LCD_DATA2	DC
26	LCD_DATA5	DC
27	LCD_DATA4	DC
28	LCD_DATA7	DC
29	LCD_DATA6	DC
30	LCD_E	DC
31	LCD_WR	DC
32	LCD_RS	DC
33	LCD_RST	DC
34	LCD_CS	DC
35	LCD_Light	SR = 220
36	SW_ID1	SW + SR = 3.3K
37	SW_ID2	SW + SR = 3.3K
38	SW_THCut	SW + SR = 3.3K
39	SW_AILDR	SW + SR = 3.3K
40	SW_RudDR	SW + SR = 3.3K
41	SW_Gear	SW + SR = 3.3K
42	SW_ELEDR	SW + SR = 3.3K
43	SW_TRN	SW + SR = 3.3K
44	Key_MENU	SW + SR = 3.3K
45	Key_ESC	SW + SR = 3.3K

Notes:

- 1. NC = No connect
- 2. DC = Direct Connect
- 3. SR = Series resistor
- 4. SR to GND = connect pint to ground via series resistor
- 5. SW + SR = Connect the pin to a switch and the other pin of switch is connected to ground via series resistor
- 6. PSB pin on LCD needs to be pulled up via 3.3K

Arduino Pin	Connection	Comments
47	Key_>	SW + SR = 3.3K
46	Key_<	SW + SR = 3.3K
49	Key_v	SW + SR = 3.3K
48	Key_^	SW + SR = 3.3K
A15	U_batt	DC Preset center pin
A14	Pot 3	DC Pot center pin
A13	Pot_2	DC Pot center pin
A12	Pot_1	DC Pot center pin
A11	Stick_LH	DC Pot center pin
A10	Stick_RV	DC Pot center pin
A9	Stick_LV	DC Pot center pin
A8	Stick_RH	DC Pot center pin
A7	Trim_LH<	SW + SR = 3.3K
A6	Trim_LH>	SW + SR = 3.3K
A5	Trim_LV<	SW + SR = 3.3K
A4	Trim_LV>	SW + SR = 3.3K
A3	Trim_RV<	SW + SR = 3.3K
A2	Trim_RV>	SW + SR = 3.3K
A1	Trim_RH<	SW + SR = 3.3K
A0	Trim_RH>	SW + SR = 3.3K
Vin	NC	
GND	Ground	Ground to all switches, pots
GND	NC	
5V	+5V	+5V for LCD, pull ups
3.3V	NC	
Reset	NC	

