

Pin Grid

Log	User Output	Notifications	Pin Grid View
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ADC Basic

Basic Settings

Custom Name	ADC1
Resolution	12
Conversion Time (us)	Refer PLIB for the Calculations. 0.37
Data Output Format	<input checked="" type="radio"/> Integer <input type="radio"/> Fractional
Common Interrupt	<input type="checkbox"/>
Pin Help	Pin Selection should only be done using the table. Channel Enable checkbox selects the corresponding analog channel and auto locks the analog pin in the Pins Grid View.

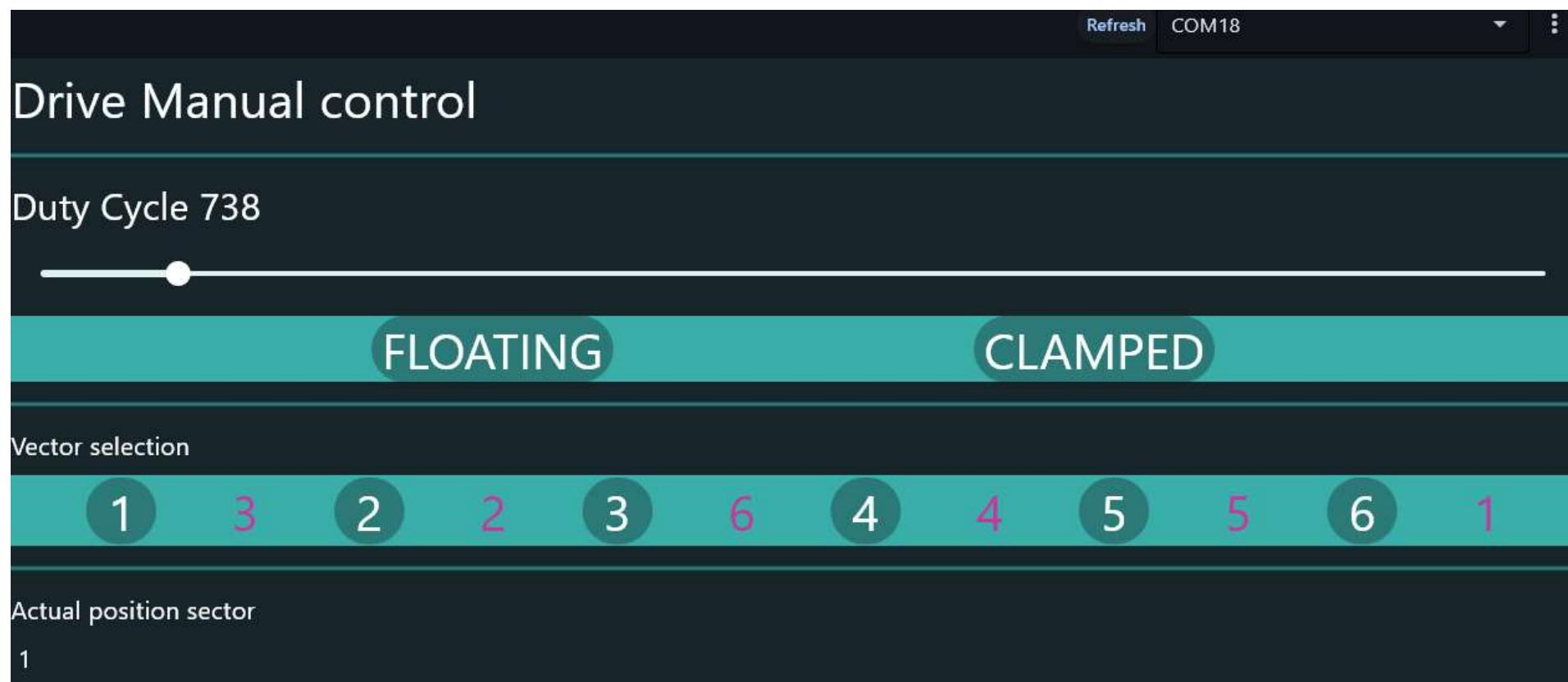
Shared Core Settings

Requested Sampling Time (us)	0.04 ≤ 1 ≤ 20.
Calculated Sampling Time (us)	1

ADC Shared Core Settings

Shared Core Configuration						
Channel	Pins	Enable	Custom Name	Trigger Source	Interrupt	
AN0	RA0	<input checked="" type="checkbox"/>	_J1	PWM Generator1 ADC Trigger1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AN1	RB2	<input checked="" type="checkbox"/>	_TEMPERATURE	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN2	RB7	<input type="checkbox"/>		None	<input type="checkbox"/>	<input type="checkbox"/>
AN3	RA3	<input checked="" type="checkbox"/>	_J3	PWM Generator1 ADC Trigger1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AN4	RA4	<input checked="" type="checkbox"/>	_J2	PWM Generator1 ADC Trigger1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AN5	RB0	<input type="checkbox"/>		None	<input type="checkbox"/>	<input type="checkbox"/>
AN6	RB1	<input checked="" type="checkbox"/>	_MOMENTUM	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN7	RB2	<input type="checkbox"/>		None	<input type="checkbox"/>	<input type="checkbox"/>
AN8	RB3	<input type="checkbox"/>		None	<input type="checkbox"/>	<input type="checkbox"/>
AN9	RA2	<input checked="" type="checkbox"/>	_TEMPERATURE3	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN10	RB8	<input type="checkbox"/>		None	<input type="checkbox"/>	<input type="checkbox"/>
AN11	RB9	<input checked="" type="checkbox"/>	_J2_PowerLab	PWM Generator1 ADC Trigger1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
AN12	RC0	<input checked="" type="checkbox"/>	_VLINK	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN13	RC1	<input checked="" type="checkbox"/>	_UM3	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN14	RC2	<input checked="" type="checkbox"/>	_UM2	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN15	RC3	<input checked="" type="checkbox"/>	_UM1	Common Software Trigger	<input type="checkbox"/>	<input type="checkbox"/>
AN16	Internal-Tem	<input type="checkbox"/>	Channel_AN16	None	<input type="checkbox"/>	<input type="checkbox"/>
AN17	Internal-Ban	<input type="checkbox"/>	Channel_AN17	None	<input type="checkbox"/>	<input type="checkbox"/>

```
18
19 // #define DEBUG           // only one option (DEBUG or FLETUINO) is allowed
20 // #define DEBUG_SERIAL_COMMAND_HANDLING
21 #define FLETUINO          // DEBUG or FLETUINO or nothing
22 // #define FLETUINO_APPLICATION_DEMO
23 // #define FLETUINO_PI_CONTROLLER_SETTINGS
24 #define FLETUINO_MANUAL_CONTROL
25 |
```



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```

BLDC Motor Drive Dashboard

OFF

17.2 V

360 rpm

0.345 A

Iref - Momentum

Reset momentum

KP Current 0.68430000

KI Current 0.02090000

Speed Controller (cruiser) ON/OFF

Speed RPM

Reset speed

KP Speed 0.43800000

KI Speed

```
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```

Drive Demonstration

Emergency OFF

68

3511

0

17.2 V

0 rpm

-0.101 A

Momentum-GAS



SpeedControl OFF/ON



Forward/Reverse (F/R)

Speed RPM

