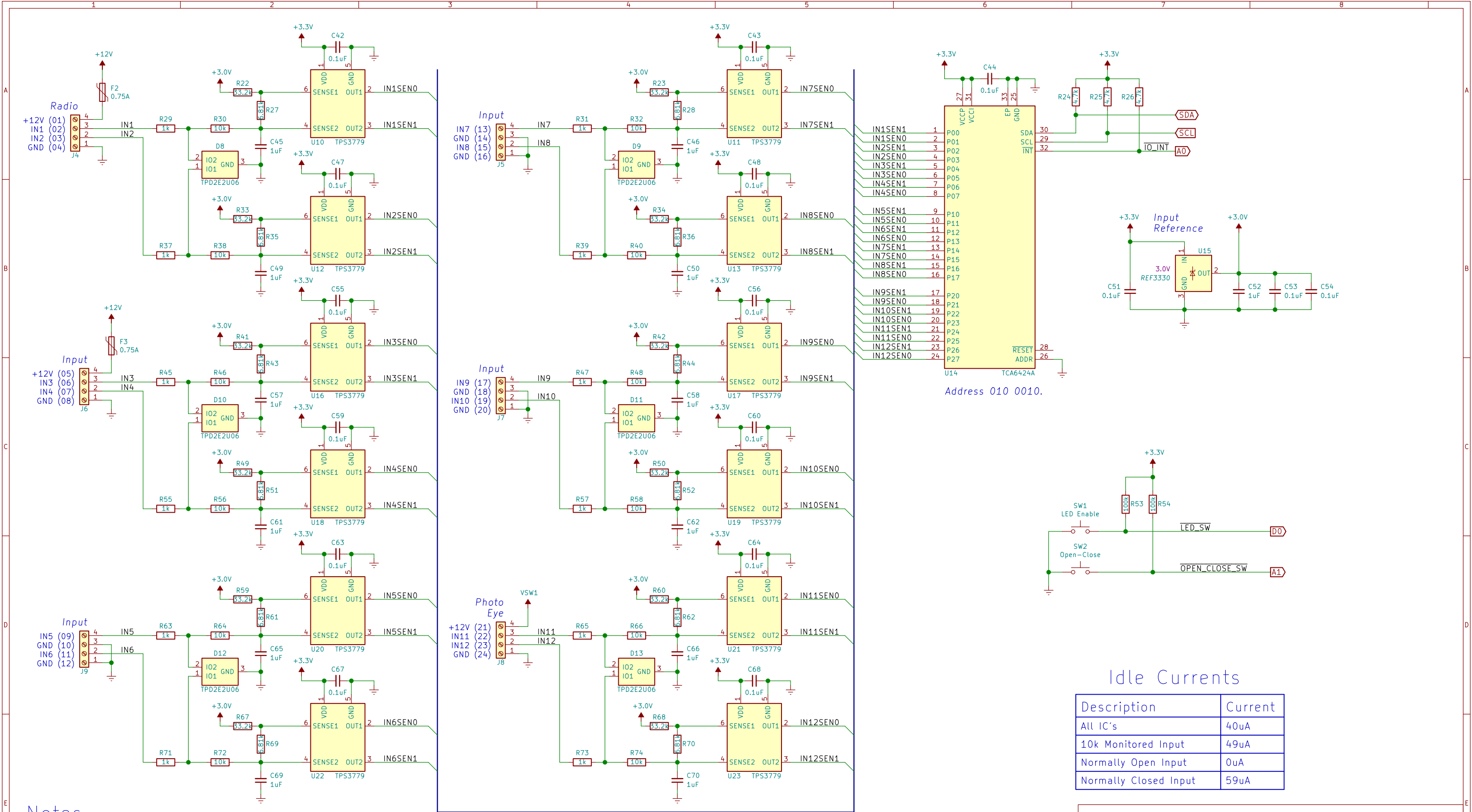


Control Signals

PIN	NET	MCU Notes	Description
D0	<u>LED_SW</u>	Interrupt	LED Enable Pushbutton Input
D1	MEXT		Motor Extend
D2			Bootloader conflict
D3	MEN	PWM	Motor Enable
D4	<u>MELIM</u>	Interrupt	Motor Extend Limit Input
D5	<u>MRLIM</u>	Interrupt	Motor Retract Limit Input
D6	LED_GRN		Green Status LED
D7	LED_RED		Red Status LED
A0	<u>IO_INT</u>	Interrupt	IO Extender Interrupt
A1	<u>OPEN_CLOSE_SW</u>	Interrupt	Open–Stop–Close Pushbutton Input
A2	OWIRE		1–Wire
A3	LED_EN		Enable LEDs
A4			Unused
A5			Unused
A6	MIS	ADC	Motor Current Sense

Notes

1. This board is compatible with the Arduino MKR1000 board which directly supports the ATWINC1500.
2. When the bootloader is running D2 is turned into an output at a logic '1'.
3. All LEDs are normally off.



Notes

1. Each input supports Normally Open, Normally Closed, and 10k Monitered connections.

Idle Currents

Description	Current
All IC's	40uA
10k Monitored Input	49uA
Normally Open Input	0uA
Normally Closed Input	59uA

