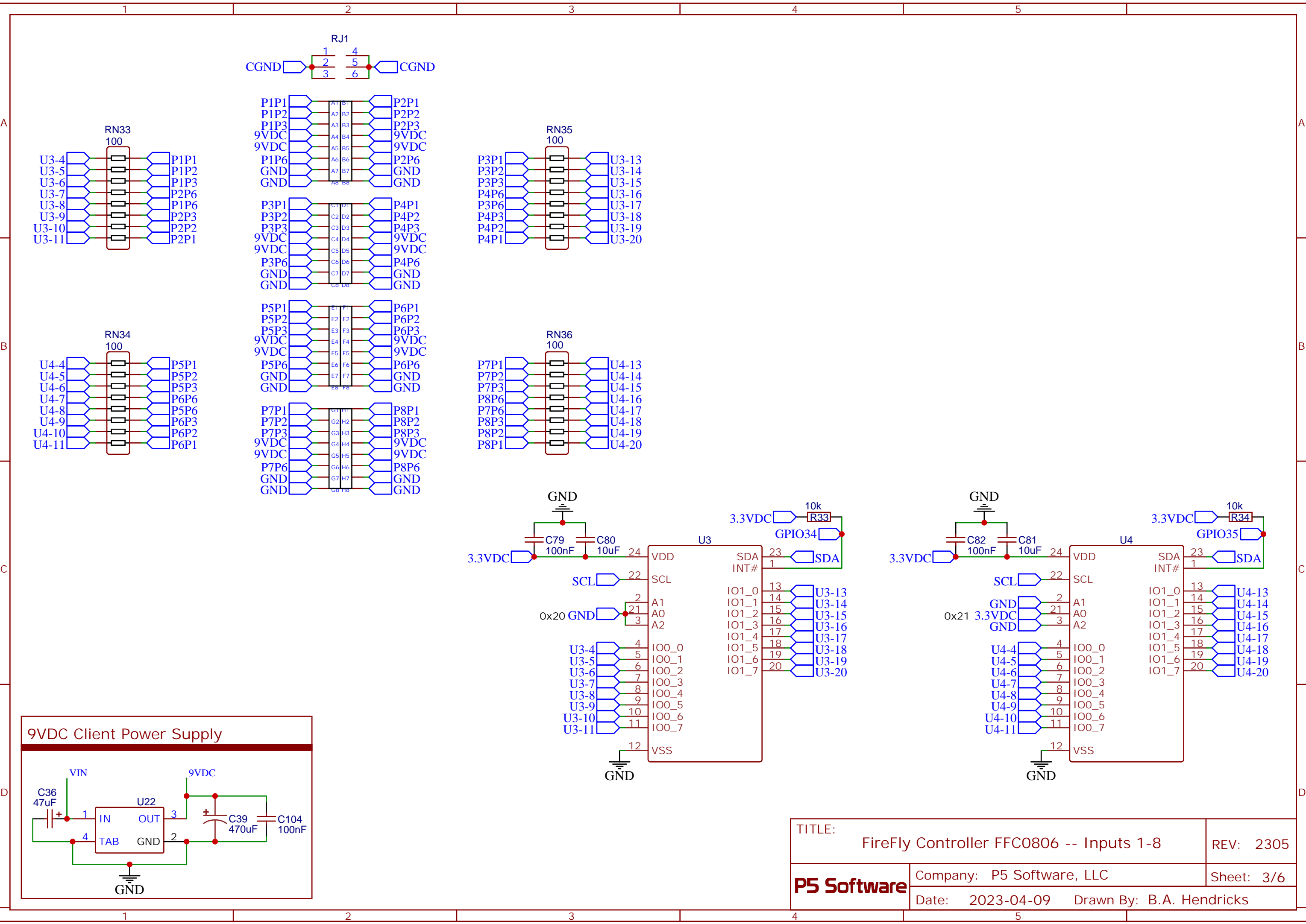
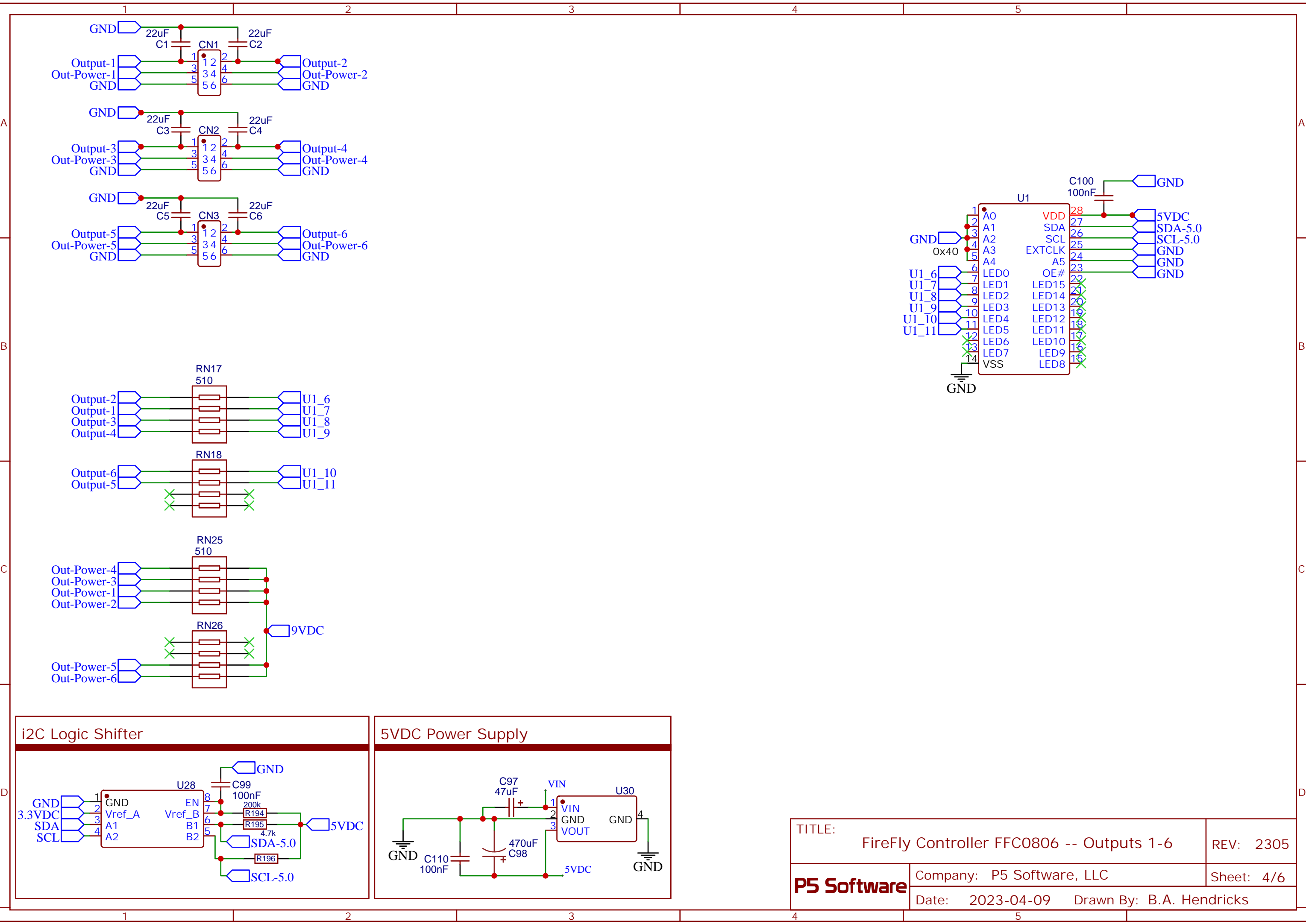


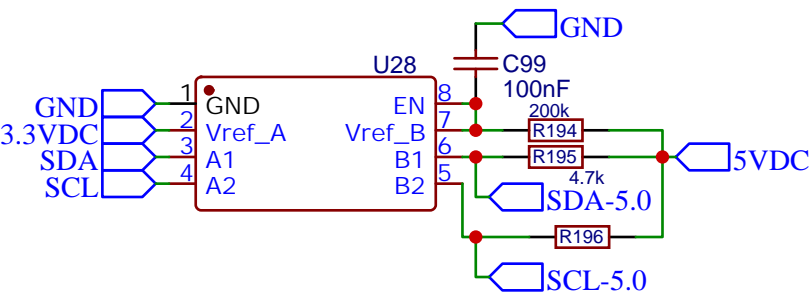
TITLE: FireFly Controller FFC0806 -- Ethernet		REV: 2305
P5 Software	Company: P5 Software, LLC	Sheet: 2/6
	Date: 2023-05-06	Drawn By: B.A. Hendricks



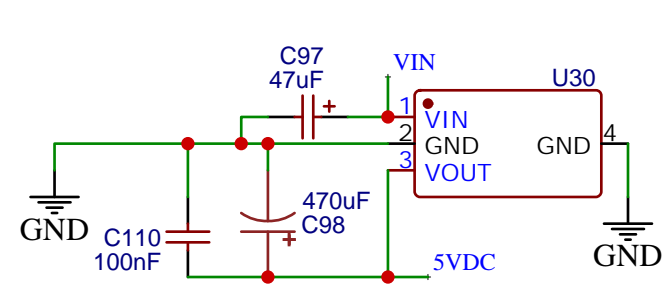
TITLE: FireFly Controller FFC0806 -- Inputs 1-8		REV: 2305
P5 Software	Company: P5 Software, LLC	Sheet: 3/6
	Date: 2023-04-09	Drawn By: B.A. Hendricks



i2C Logic Shifter



5VDC Power Supply



TITLE: FireFly Controller FFC0806 -- Outputs 1-6		REV: 2305
P5 Software	Company: P5 Software, LLC	Sheet: 4/6
	Date: 2023-04-09	Drawn By: B.A. Hendricks

Changes since 2304

- Added U2 Ferrite to separate 3.3VDC to 3.3VDCD
- Added C7 and C8
- Changed R17 Connection
- Removed R23 from CGND
- Added RN3 for dampening
- Replaced R19/R20 with 200 ohm resistors
- Removed copper areas under LAN connector
- Complete rework of Ethernet layout
- NC'ed INTn
- Connected RSTn to GPIO26

Addresses

- 0x20

Inputs Ports 1-4
- 0x21

Inputs Ports 5-8
- 0x40

Output Ports 1-6
- 0x70

Output All-Call
- 0x48

Temperature
- 0x50

EEPROM
- 0x3C

OLED Display Header
(Check Display Pinout)

TITLE: FireFly Controller FFC0806 -- Notes		REV: 2305
P5 Software	Company: P5 Software, LLC	Sheet: 5/6
	Date: 2023-05-06 Drawn By: B.A. Hendricks	

Changes to make in next version

Connect Ethernet INTn (pin 36) to GPIO19 (pin 31)

TITLE: FireFly Controller FFC0806 -- Changes to Make		REV: 2305
P5 Software	Company: P5 Software, LLC	Sheet: 6/6
	Date: 2023-05-06 Drawn By: B.A. Hendricks	