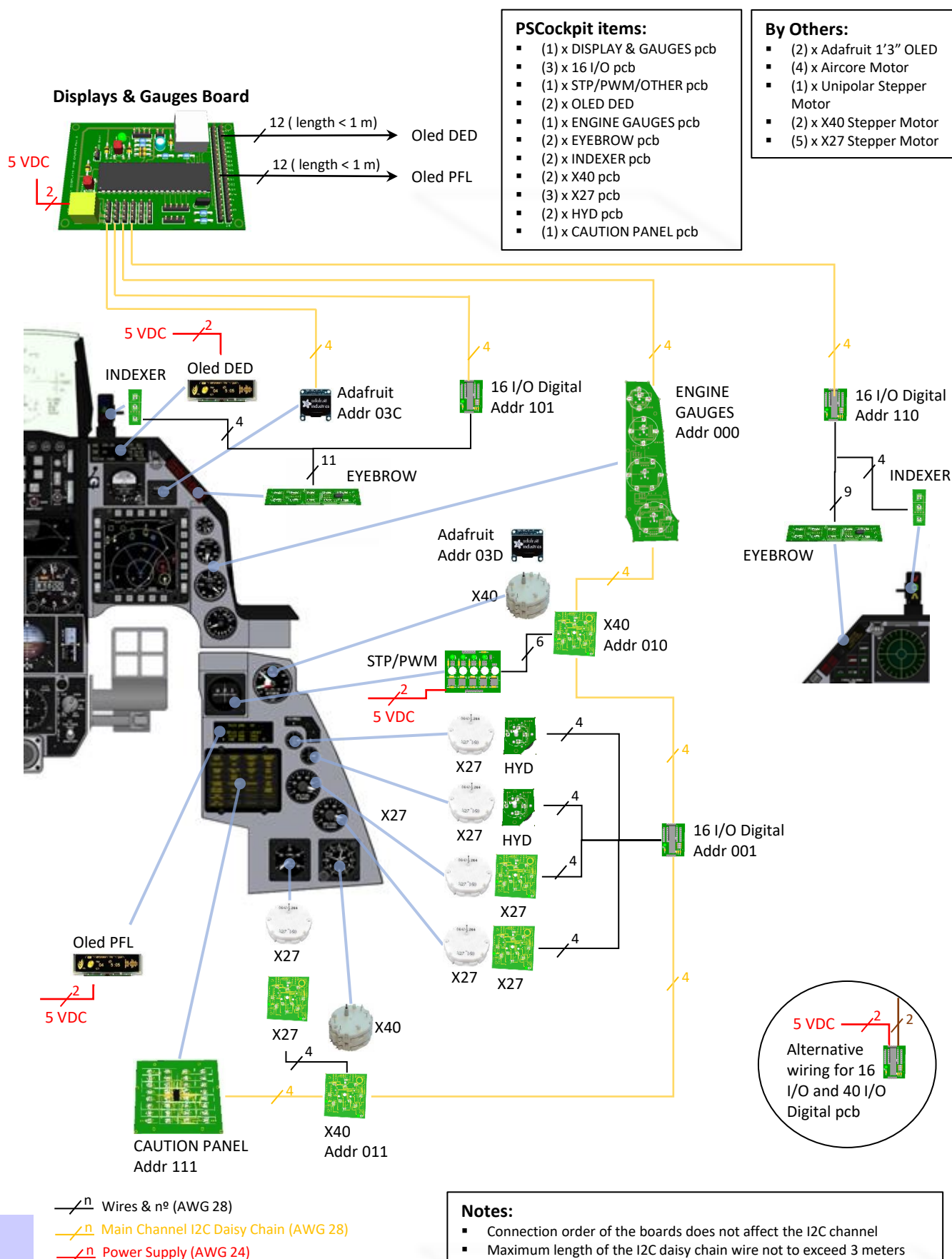


PSCockpit

***F16C B50 - PSCOCKPIT PCBs  
DISTRIBUTION  
Version MAIN+DISP&GAUGES***

Valid for 11<sup>th</sup> Run of the PSCockpit System

By JShepherd



# CENTER CONSOLE

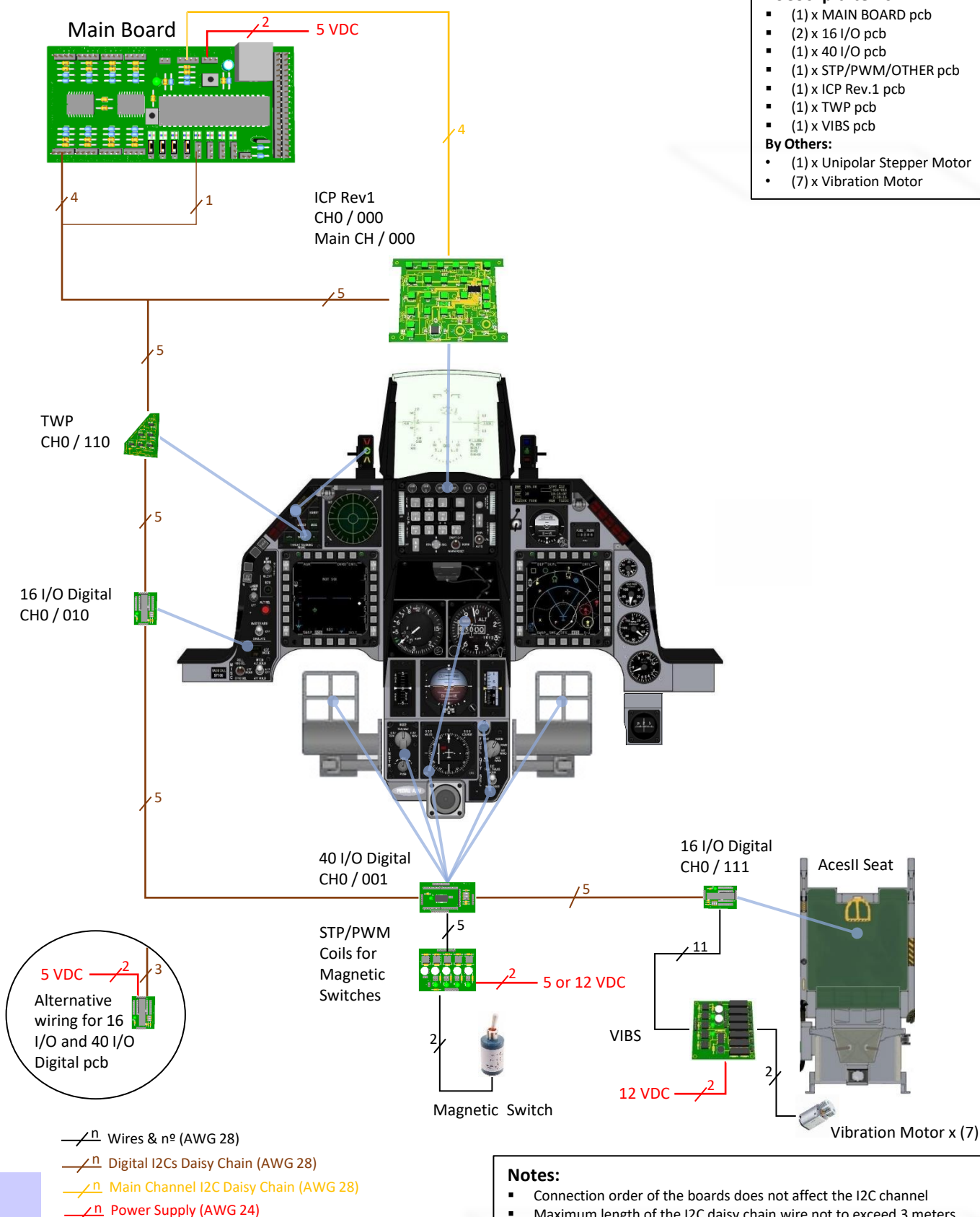


## PSCockpit items:

- (1) x MAIN BOARD pcb
- (2) x 16 I/O pcb
- (1) x 40 I/O pcb
- (1) x STP/PWM/OTHER pcb
- (1) x ICP Rev.1 pcb
- (1) x TWP pcb
- (1) x VIBS pcb

## By Others:

- (1) x Unipolar Stepper Motor
- (7) x Vibration Motor



# LEFT CONSOLE



## PSCockpit items:

- (7) x 16 I/O pcb
- (2) x 40 I/O pcb
- (1) x CMDS pcb
- (1) x UHF pcb
- (1) x AUDIO 1&2 pcb
- (1) x ELEC pcb
- (1) x TRIM pcb
- (1) x TWA pcb

## By Others:

- (1) x Adafruit 1'3" OLED
- (2) x X27 Stepper Motor

5 VDC  
Adafruit 1,3" CH1

5 VDC  
Alternative wiring for 16 I/O and 40 I/O Digital pcb

16 I/O Digital CH2 / 110

16 I/O Digital CH2 / 000

16 I/O Digital CH2 / 011

16 I/O Digital CH2 / 101

## Main Board

16 I/O Digital CH1 / 101

CMDS CH1 / 001

TWA CH1 / 010

UHF CH1 / 011

AUDIO 1&2 CH1 / 100  
Main CH / 001  
Main CH / 010

ELEC CH1 / 101

40 I/O Digital CH1 / 110

16 I/O Digital CH1 / 111

40 I/O Digital CH2 / 001

16 I/O Digital CH2 / 010

TRIM CH2 / 100  
Main CH / 011

X27 Stepper Motors

Wires & n° (AWG 28)

Digital I2Cs Daisy Chain (AWG 28)

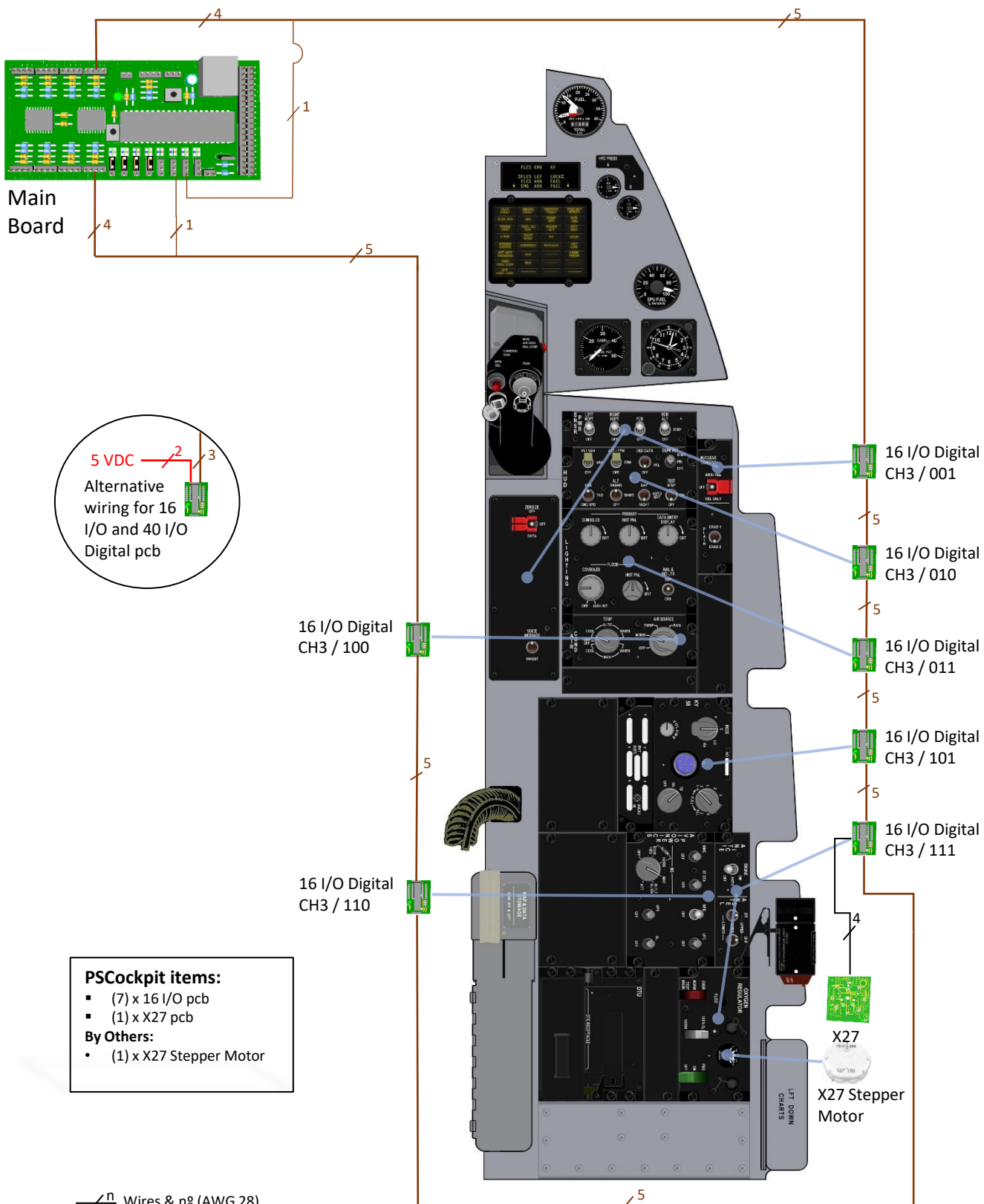
Main Channel I2C Daisy Chain (AWG 28)

Power Supply (AWG 24)

## Notes:

- Connection order of the boards does not affect the I2C channel
- Maximum length of the I2C daisy chain wire not to exceed 3 meters

# RIGHT CONSOLE



- Wires & n° (AWG 28)
- Digital I2Cs Daisy Chain (AWG 28)
- Main Channel I2C Daisy Chain (AWG 28)
- Power Supply (AWG 24)

## Notes:

- Connection order of the boards does not affect the I2C channel
- Maximum length of the I2C daisy chain wire not to exceed 3 meters



# OPTIONS



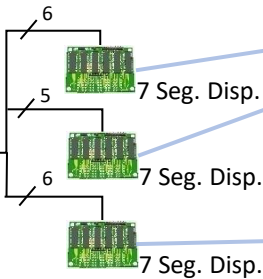
## MFDs

16 I/O Digital  
CH0 / 011



## Digital Altimeter & Fuel Flow

16 I/O Digital  
CH4 / 001



## RC Servos Gauges

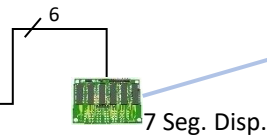
Adafruit 16-Channel  
Servo Driver or  
Lynxmotion SSC-32

5 VDC



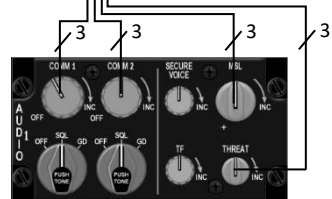
## HSI Miles & Course

16 I/O Digital  
CH4 / 010



## Comms (Analog)

Analog  
Main CH / 011



## Cabin Press and EPU Fuel with Aircores

I2C to SPI  
Main CH / 010



Aircore

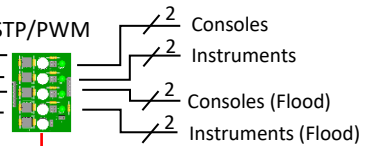
Aircore  
Controller

5 VDC



## Lighting (PWM)

Adafruit 16-Channel  
Servo Driver or  
Lynxmotion SSC-32



12 or 5 VDC