

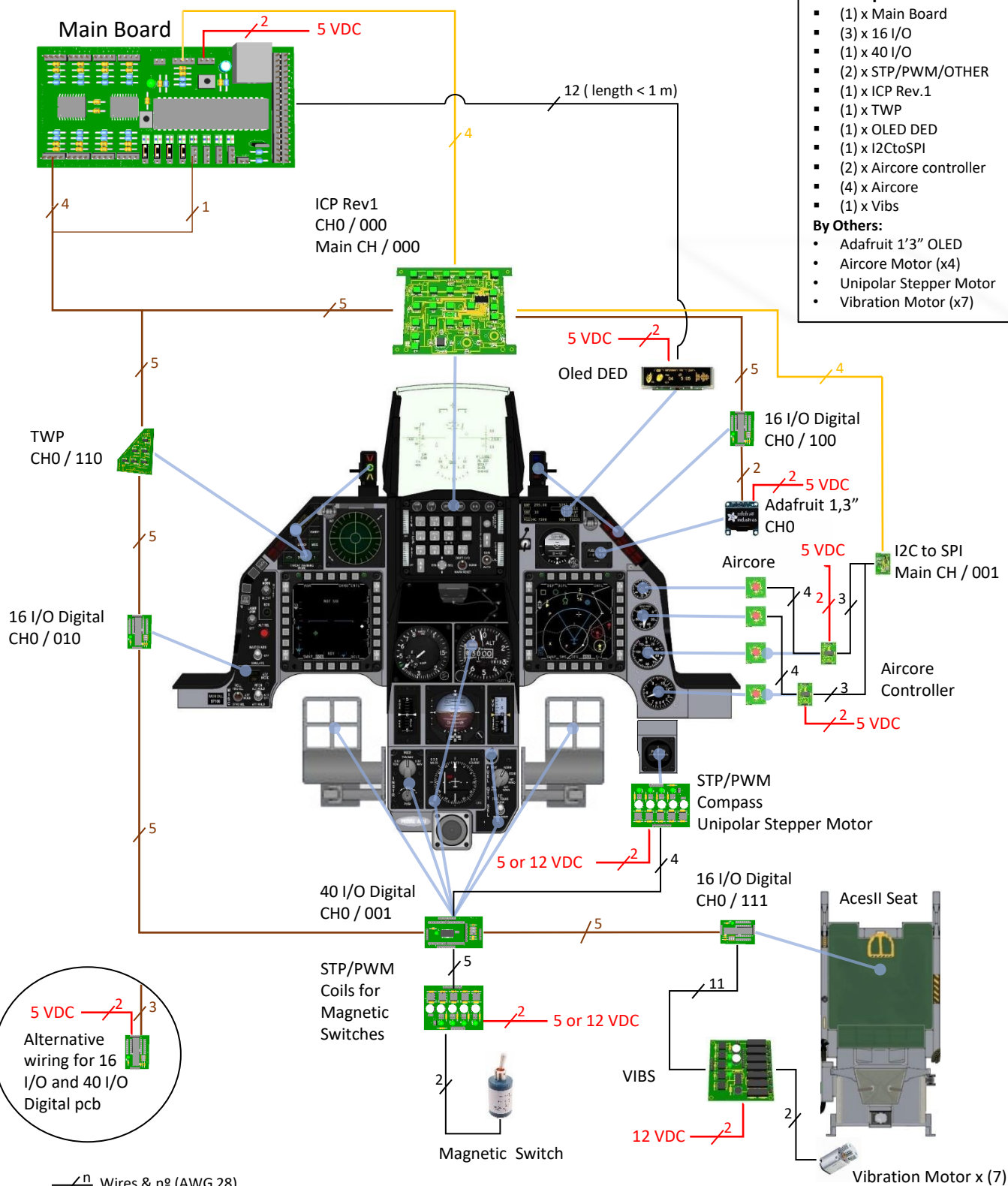
PSCockpit

***F16C B50 - PSCOCKPIT PCBs
DISTRIBUTION
Version 3***

Valid for 11th Run of the PSCockpit System

By JShepherd

CENTER CONSOLE



PSCockpit items:

- (1) x Main Board
- (3) x 16 I/O
- (1) x 40 I/O
- (2) x STP/PWM/OTHER
- (1) x ICP Rev.1
- (1) x TWP
- (1) x OLED DED
- (1) x I2CtoSPI
- (2) x Aircore controller
- (4) x Aircore
- (1) x Vibs

By Others:

- Adafruit 1'3" OLED
- Aircore Motor (x4)
- Unipolar Stepper Motor
- Vibration Motor (x7)

5 VDC — 2 — 3
Alternative
wiring for 16
I/O and 40 I/O
Digital pcb

— n Wires & n° (AWG 28)

— n Digital I2Cs Daisy Chain (AWG 28)

— n Main Channel I2C Daisy Chain (AWG 28)

— n 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

LEFT CONSOLE





PSCockpit items:

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

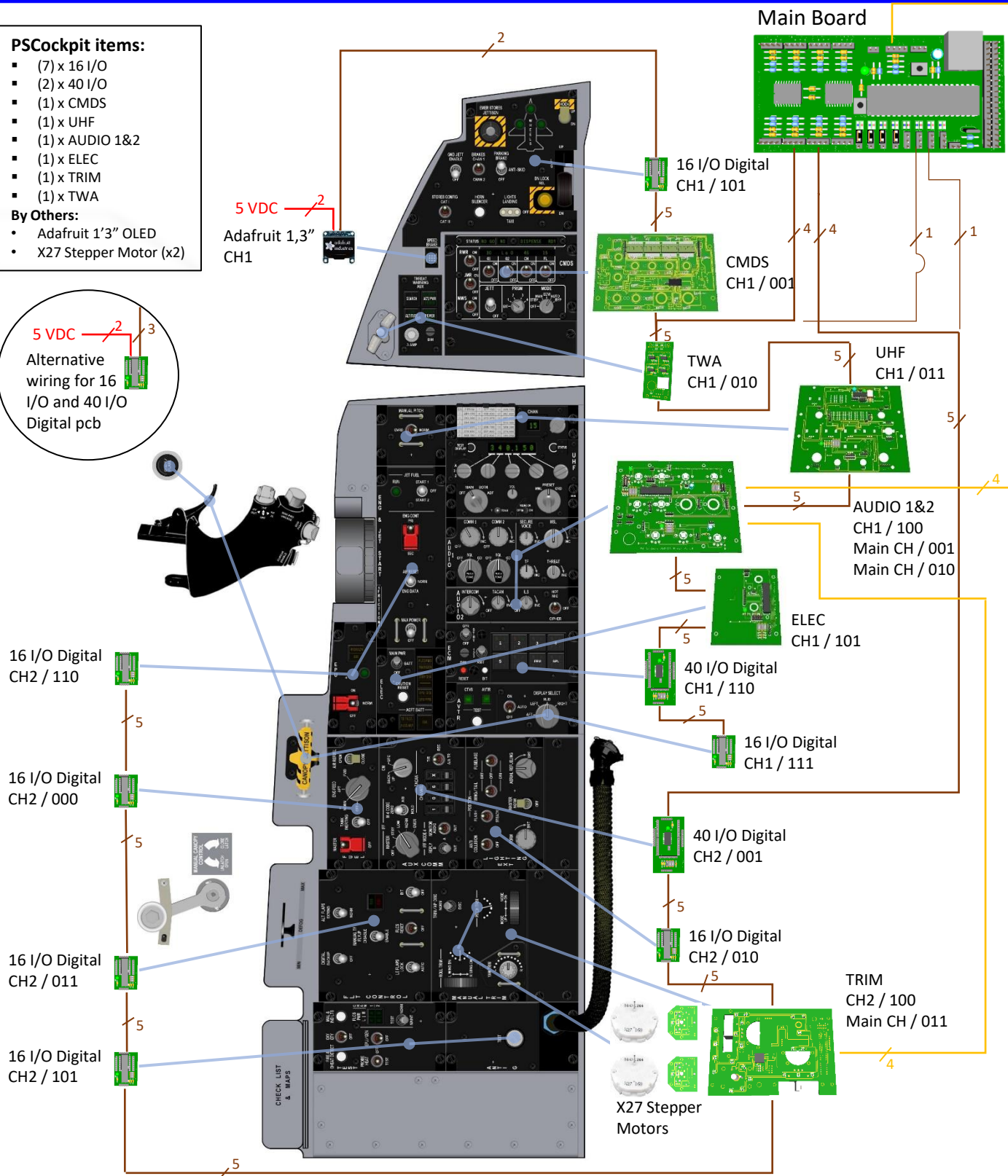
By Others:

- Adafruit 1'3" OLED
- X27 Stepper Motor (x2)

5 VDC  3
Alternative wiring for 16 I/O and 40 I/O Digital pcb

5 VDC  2
Adafruit 1,3" CH1

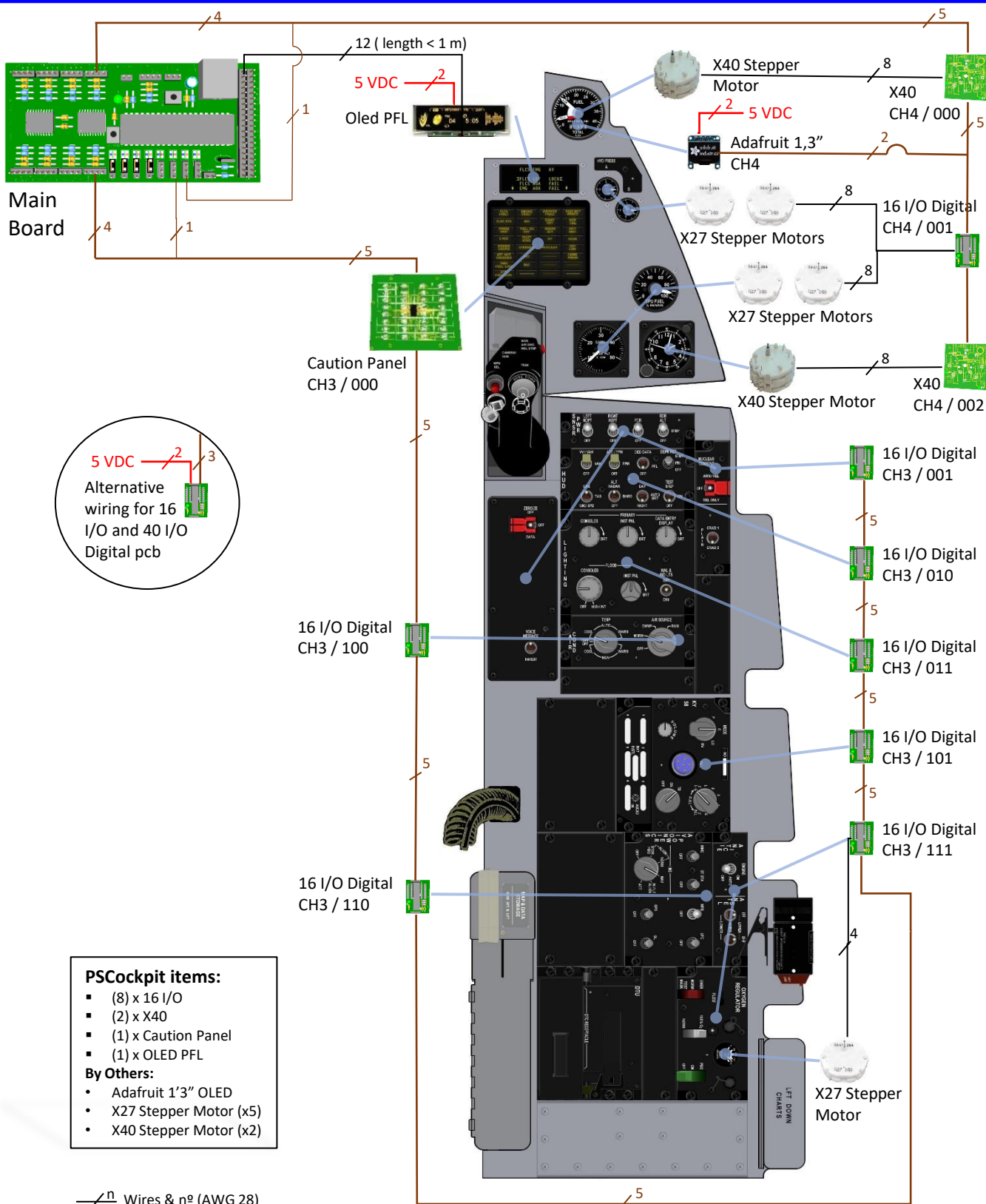
Main Board



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



PSCockpit items:

- (8) x 16 I/O
- (2) x X40
- (1) x Caution Panel
- (1) x OLED PFL

By Others:

- Adafruit 1'3" OLED
- X27 Stepper Motor (x5)
- X40 Stepper Motor (x2)

—/n Wires & n° (AWG 28)

—/n Digital I2Cs Daisy Chain (AWG 28)

—/n Main Channel I2C Daisy Chain (AWG 28)

—/n 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



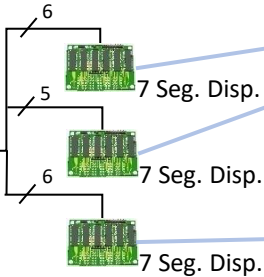
MFDs

16 I/O Digital
CH0 / 011



Digital Altimeter & Fuel Flow

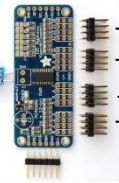
16 I/O Digital
CH4 / 001



RC Servos Gauges

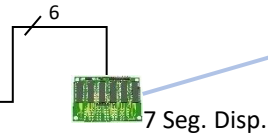
Adafruit 16-Channel
Servo Driver or
Lynxmotion SSC-32

5 VDC



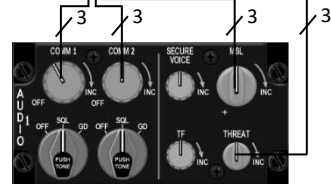
HSI Miles & Course

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

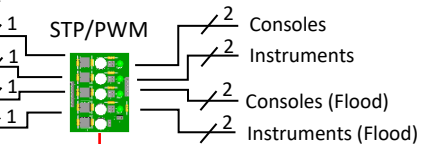
Aircore
Controller

5 VDC



Lighting (PWM)

Adafruit 16-Channel
Servo Driver or
Lynxmotion SSC-32



12 or 5 VDC