Open-source Space Exploration

Kimura, Pelletier, Arai & Saieed

www.hodoyoshi.org/ほどよしsdk/

Google

hodoyoshi.org   ↻ 1   💬   ＋ 新規   固定ページを編集   こんにちは、admin さん！
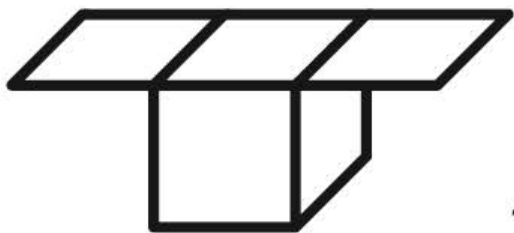
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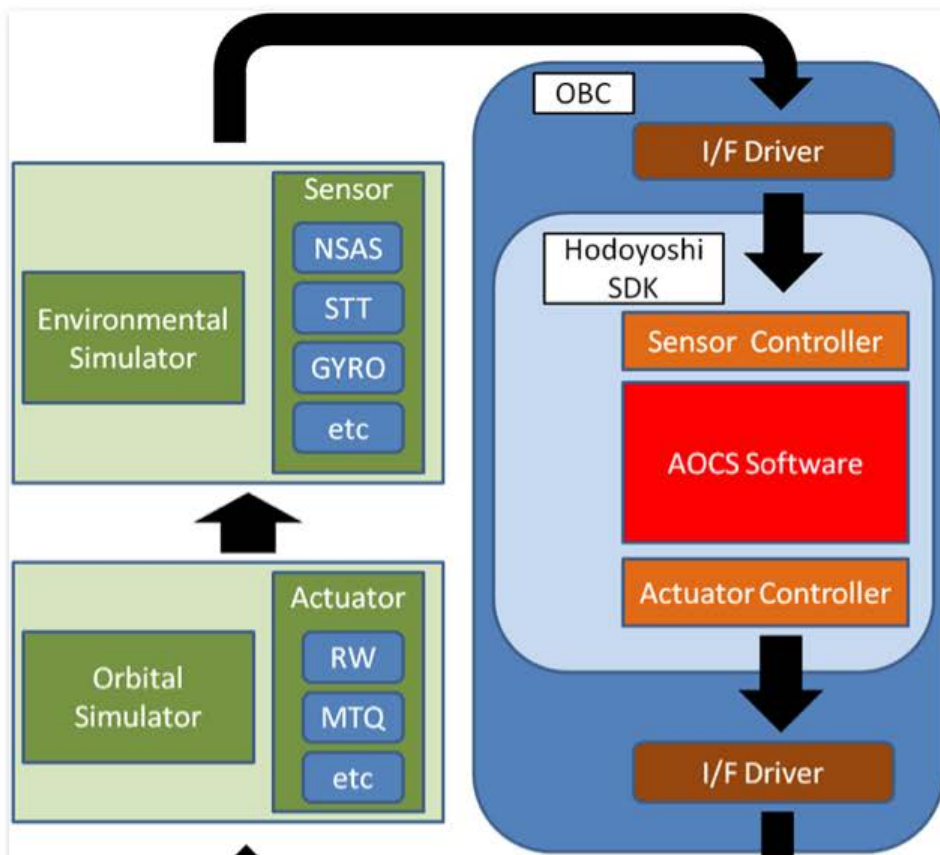|				
SH4-BoCCHAN-1 OBC User's Manual	Ver 1.01	2013/10/28	PDF	3.16MB
SH4-BoCCHAN-1 OBC Quick Start Guide	Ver 1.10	2013/7/31	PDF	4.95MB
SH4-BoCCHAN-1 OBC Development Environment	Ver 1.01	2013/6/11	ISO image	2.82GB
HODOYOSHI SDK Library	Ver 2.10	2013/9/25	ZIP archive	84KB

検索

こんにちは admin さん
ログアウト

Main Page

UVic ECOSat is a satellite being design and built by student run team at the University of Victoria.

Pages

Ecosat-2 (SVN://ECOSAT3.ENGR.uvic.ca/svnrepos 🔗)

- Subsystems
- Analysis
- Structure
- Testing and Integration
- Ground Station

Other

- Acronyms
- Tutorials
- Website

Wiki creation help.

Consult the User's Guide 🔗 for information on using the wiki software.

- Configuration settings list 🔗
- MediaWiki FAQ 🔗
- MediaWiki release mailing list 🔒
- Localise MediaWiki for your language 🔗

To edit this wiki, create an account then email Spencer Davis at sbd@uvic.ca ✉ with your username.

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Test and Population Plan for Battery Boards

This is a short guide to follow when populating and testing the battery boards. When soldering only use approved solder and soldering paste, 63%/37% Sn/Pb, to avoid any tin whiskers when in vacuum. For a more detailed overview on soldering please refer to the Soldering Flight Hardware.

1. Solder 5V regulation components
    1. Test voltage regulation
2. Solder ADC chip, proper chip select 0 ohm resistor and Vcc capacitor
    1. Test ADC chip connections to power and ground
    2. Test ADC chip using SPI protocols found in the datasheet
3. Solder all relays and corresponding components resistors
    1. Test each relay connection
    2. Using SPI commands from the ADC test functions of the relay
4. Starting from bus connector side of board solder **ONLY** batteries B1 and B7 (be sure to use proper orietation)
    1. Test connection of B1 and B5batteries
5. Place thermal sensors J3 and J4 in position
    1. With J3's sensor facing B1 and using epoxy, fix it to B1
    2. Repeat with J4 and B5
    3. Solder J3 and J4
    4. Test J3 and J4 using SPI commands from the ADC (or probe Vout of sensors)
6. Solder B2 and B6 (be sure to use proper orientation)
    1. Test connection of B2 and B6 batteries
7. Solder B4 and B8 (be sure to use proper orientation)
    1. Test connection of B4 and B8 batteries
8. Place thermal sensors J1 and J2 in position
    1. With J1's sensor facing B4 and using epoxy, fix it to B4
    2. Repeat with J2 and B8
    3. Solder J1 and J2
    4. Test J1 and J1 using SPI commands from the ADC

mbed.org/users/yamaguch/code/mbed-workshop-cansat-examples/

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Hiroshi Yamaguchi / **mbed-workshop-cansat-examples**

Last commit 10 5月 2012

ⓘ **Description:** mbed workshop intro + cansat examples

| 🏠 Home | 🗒 History | 📊 Graph | 📄 API Documentation | 📝 Wiki | 🔀 Pull Requests |

Files at revision 0:f309f06aeec7

Download repository: 🗜 zip 🗜 gz

/ default tip

Name	Size	Actions	
⬆ [up]			
📄 Accel1.cpp	354	📋 Revisions	📝 Annotate
📄 Accel2.cpp	512	📋 Revisions	📝 Annotate
📄 Accel3.cpp	323	📋 Revisions	📝 Annotate

Repository actions

Import this program

Repository details

Type:	📦 Program
Created:	10 5月 2012
Imports:	🗂 5
Forks:	🍴 0
Commits:	🏆 1
Dependents:	🔒 0
Dependencies:	📦 0

We propose a portal to enable...

1. Exchange of experience.
2. Collaboration among different space tech researchers & entities
3. Networking people

Portal X - Functions

- Links to source codes & hardware schematics

- Wiki page for different projects

- Reviews & Reports of different open-source tools

- Forums / Mailing-list / FAQs

Extension to
CanSat Info Center Website?

Extension to
CanSat Info Center Website?

Maybe!